

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
(A Government of Maharashtra Undertaking)

Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -A- Earthwork</b>					
Gen/A/1	Excavation in trenches, pits, pipe lines, foundations, column footings, walls etc. <b>in earth's soils of all types, gravel, sand, soft &amp; hard murum, and boulders</b> up to 0.03 cum. size including removing the excavated material upto a distance of 50 M beyond the edge of excavation including the initial lift of 1.5 M, stacking or spreading as directed, bailing of sub-soil water if any preparing base for foundation etc., and back filling the excavated pit or trench using the excavated material in layers including watering and ramming as required or as directed by Engineer-In-charge, including all labour and materials complete.	Cu M	140.00	125.00	110.00
Gen/A/2	Add for every additional lift of 1.5 M or part as per item Gen / A / 1 above.	Cu M	9.00	7.50	7.50
Gen/A/3	Excavation for trenches, pits, pipelines, foundations, column footings, walls etc. in <b>soft rock and boulders</b> between 0.03 TO 0.30 Cu.M. in size for a depth upto 1.5 M including removing the excavated materials upto a distance of 50 M beyond the edges of trenches / pits etc. breaking the boulders into 225 mm size rubble including stacking the same (rubble as well as soft rock) and / or spreading as directed, bailing out water if any, preparing the bed for foundations & <i>necessary back filling the excavated pit / trench</i> as directed by Engineer-in-charge all labour and materials complete.	Cu M	280.00	250.00	220.00
Gen/A/4	Add for every additional lift of 1.5 M or part as per item Gen / A / 3 above.	Cu M	18.00	16.00	14.00
Gen/A/5	Excavation for trenches / pits, pipelines, column footings, foundations etc. in hard rock and boulders by blasting or controlled blasting including leveling the bed by chiselling where ever necessary for depths upto 1.5 M and removing the excavated material breaking the same into 225 mm size rubble and stacking in measurable heaps within a distance of 50 m from the edges, of the trenches, pits etc. bailing out water if any, including back filling etc., as directed by Engineer-in-charge, all labour and materials complete.				
	a) By Blasting	Cu M	475.00	425.00	410.00

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	b) By Controlled Blasting	Cu M	575.00	500.00	480.00
Gen/A/6	Add for every additional lift of 1.5 M or part as per item Gen / A / 5 above.	Cu M	18.00	16.00	15.00
Gen/A/7	Excavation for trenches, pits for pipe lines, foundations, column footings, drainage lines etc in hard rock, manjarya rock & laterite by chiselling, wedging, line drilling etc. including trimming and levelling the bed, removing the excavated materials upto a distance of 50 M beyond the edges of trenches / pits including the initial lift of 1.5 M, stacking as directed, de-watering back filling in layers, watering ramming etc. as required or as directed by Engineer In Charge, all labour and materials complete.				
	a) Laterite Rock	Cu M	711.00	675.00	650.00
	b) Manjarya Rock	Cu M	730.00	710.00	690.00
	c) Hard Rock	Cu M	640.00	620.00	600.00
Gen/A/8	Add for every additional lift of 1.5 M or part as per item Gen / A / 7 as above.	Cu M	17.00	16.00	15.00
Gen/A/9	Add for additional leads involved in disposal of excavated material beyond the initial lead of 50 M from the excavation site for above items.				
	a) Leads between 51 M. to 300 M.	Cu M	35.00	30.00	29.00
	b) Lead between 301 M to 5000 M.	Cu M	70.00	65.00	62.00
Gen/A/10	Open excavation for <b>road works, side gutters water retaining structures and large excavated areas</b> not involving manual lift of materials such as water reservoir, foundation, dam <b>seats</b> and allied works in <b>soils of all sorts, sand gravel, soft and hard murum and boulders</b> not exceeding 0.03 Cu.M. in size, to required grade, camber and side slopes and conveying the excavated material with all lifts and upto a lead of 100 m from outside the edge of excavated area, spreading the same on embankment or stacking as directed.	Cu M	90.00	70.00	69.00

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Gen/A/11	Open excavation for <b>road works, side gutters and large excavated areas</b> not involving manual lift of material such as water reservoir, foundations, dam seats and allied works <b>in soft rock and boulders</b> beyond 0.03 to 0.3 Cu.M. rubble and conveying and stacking in regular stacks with all lifts and leads up to 100 m from outside edge of the excavated area.	Cu M	250.00	230.00	225.00
Gen/A/12	Open excavation for <b>road work, side gutters and large excavated areas</b> not involving manual lift of materials such as water reservoir, foundation, dam seats and allied works, in <b>hard rock and boulders</b> above 0.3 Cu.M. size by blasting, including dressing section to the required camber, slopes and breaking to 225 mm. Size rubble and conveying the same, stacking in regular stacks with all lifts and leads upto 100 m. from outside edges of excavated area.				
	a) Open excavation by blasting	Cu M	450.00	400.00	390.00
	b) Open excavation by controlled blasting	Cu M	550.00	480.00	470.00
Gen/A/13	Open excavation for <b>road work, side gutters and large excavated areas</b> not involving manual lift of materials such as water reservoir, foundation, dam seats and allied works, in <b>hard rock and boulders</b> above 0.3 Cu.M. size by <b>wedging, chiselling</b> and / or <b>line drilling</b> etc. or excavation in laterite rock including dressing section to the required grade camber, slopes and breaking to 225 mm. size rubble and conveying the same, stacking in regular stacks with all lift and leads upto 100 m. from outside edges of excavated area.	Cu M	660.00	635.00	625.00
Gen/A/14	<b>Filling in plinths</b> and floors with hard murum or sand brought by <b>Contractor from his own borrow area</b> in layers of 150 to 200 mm including watering compaction for all lift and leads complete.				
	a) Filling with murum	Cu M	300.00	250.00	235.00
	b) Filling with sand	Cu M	850.00	820.00	800.00
Gen/A/15	<b>Cleaning &amp; clearing</b> of ground including removing, vegetation and irregularities not exceeding 15 cms. depth in ordinary soil and disposal of rubbish	Sq M	3.50	3.00	3.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	a) Same as above but for compacted murum, hard murum etc.	Sq M	6.00	5.50	5.00
Gen/A/16	<b>Dewatering</b> the excavated trenches, foundations or any pool of water to be drained out as per direction of Engineer-in-charge.  (This rate is for estimate purposes only. Tender shall have lumpsum provision for dewatering).	HP-hr	23.00	22.00	20.00
Gen/A/17	<b>Filling in plinths and trenches</b> and spreading the same in layers not exceeding 20 cms, breaking of clods, watering rolling each layer with 1 to 2 tonne roller or ramming with wooden or steel rammers and rolling with 8 tonne roller every third layer, for filling ground depressions for development of plot, lead up to 50 M and lift up to 1.5 M in all types of soil including hard murum brought from MIDC borrow area.	Cu M	150.00	130.00	125.00
Gen/A/18	Providing <b>Open timbering</b> in trenches including strutting and shoring for depths not exceeding 3 M.	Sq M	170.00	160.00	150.00
Gen/A/19	As per Gen / A / 18, but for depths exceeding 3.0 m	Sq M	180.00	170.00	160.00
Gen/A/20	Providing <b>Close timbering</b> in trenches including strutting and shoring for depths not exceeding 3 M.	Sq M	310.00	290.00	280.00
Gen/A/21	As per Gen / A / 20 but for depths exceeding 3.0 M	Sq M	310.00	290.00	280.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/A/22	Providing and constructing <b>Cofferdam</b> as per drawings and directions of Engineer-In-Charge, consisting of barrier made out of sandbag piles & interstice filled with locally available puddle clay / mud or other impervious materials. The cofferdam shall have a minimum top width of puddle clay barrier of 1.5 m & side slopes of 1:1. Work shall include providing sand, puddle clay, empty jute or polyester woven bags, filling the bags with sand / clay conveying to the position required placing them systematically with clay filling in the gaps as may be required, maintenance of the cofferdam during the progress of the work and dismantling the same and conveying all the materials used in cofferdam to the place of disposal, all works to be carried out as per the instructions & direction of Engineer-in-Charge, with all labour and materials complete.	Cu M	1450.00	1300.00	1250.00
Gen/A/23	Same as Gen / A / 22, but with puddle clay barrier of 0.6 M. width with jute bag on either sides of hearding portion.	Cu M	1550.00	1450.00	1400.00
Gen/A/24	<b>Excavation</b> in all types of strata excepting <b>HARD ROCK</b> (materials which requires blasting for its removal) <b>by mechanical equipment</b> like poclains, shovel, scrapers, front end loaders, JCBs, bulldozers etc. and transporting the same to areas of disposal and disposing off the excavated material and levelling the areas of filling by means of bulldozers, or any other type of mechanical equipment, including levelling of the excavated area to a tolerance of $\pm 10$ cms all labour, equipment, men and materials complete for disposal upto 2 km. from the approximate centre of the excavated area.	Cu M	140.00	130.00	125.00
Gen/A/25	<b>Excavation in Hard Rock</b> by <i>chisells</i> by mechanical equipment like poclains fitted with chisells and transporting the excavated stuff to the areas of disposal and disposing the material and levelling the disposed material with mechanical equipment including levelling of excavated area to a tolerance of $\pm 10$ cms, and all labour, equipment etc complete for disposal lead upto 2 km lead from the area of excavation.	Cu M	990.00	950.00	900.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/A/26	Providing <i>murum bedding</i> below pipeline and filling on the top of the pipeline with selected material in 15 to 20 cm layers including watering, ramming etc. complete.				
	a) With selected earth available from excavations	Cu M	48.00	42.00	40.00
	b) With material brought by contractor from his borrow areas with leads upto 5 km.	Cu M	240.00	220.00	200.00
	c) With material brought by contractor from MIDC area.	Cu M	140.00	135.00	130.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -B-Demolition Works</b>					
Gen/B/1	Removing <b>AC or G.I.</b> sheets from the roof or walling and stacking them properly with all leads & lifts.	Sq M	36.00	32.00	30.00
Gen/B/2	Dismantling <b>BB Masonry</b> in lime or cement mortar and stacking the material as directed with all leads & lifts complete.	Cu M	200.00	170.00	160.00
Gen/B/3	Dismantling <b>Stone Masonry</b> in cement mortar or lime mortar and stacking the material as directed with all leads & lifts complete.	Cu M	250.00	235.00	220.00
Gen/B/4	Dismantling and removing lime or <b>plain cement concrete</b> including stacking the spoils as directed with all leads, & lifts etc. complete.				
	a) Upto M - 10 Grade	Cu M	190.00	180.00	175.00
	b) Upto M - 20 Grade	Cu M	315.00	300.00	285.00
Gen/B/5	Dismantling <b>RCC work of all grades of concrete</b> and sorting out the materials such as steel etc. as directed and stacking them with all leads & lift as directed.	Cu M	600.00	575.00	530.00
Gen/B/6	Removing <b>doors and windows with frames &amp; shutters</b> fixed in position and stacking them with all leads & lifts as directed.	No.	95.00	90.00	85.00
Gen/B/7	Removing <b>tiled flooring</b> in all types of tiling or flooring i.e. Shahabad, Kotah, Cement, Marble mosaic, Glazed, Ceramic tiles etc. including stacking the materials as directed with all leads & lifts.	Sq M	30.00	28.00	25.00
Gen/B/8	Removing <b>lime or cement</b> plaster including disposing off the spoils as directed with all leads & lifts.	Sq M	26.00	25.00	20.00
Gen/B/9	Removing old barbed wire from existing fencing and providing and fixing new 14 S.W.G. G.I. barbed wire to the existing post including all material labour etc complete.				
	a) 7 Rows fencing	R. M.	80.00	75.00	70.00
	b) 5 Rows fencing	R. M.	60.00	55.00	50.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/B/10	Removing old existing down take water supply & drainage pipe lines C.I. / G.I. / A.C. / PVC / HDPE pipes upto 150 mm dia. laid underground, horizontal & on vertical walls including transporting, stacking the material at departmental stores for all lifts & leads etc. complete as directed.				
	a) upto 50 mm dia	R. M.	7.00	6.00	6.00
	b) above 50 to 150 mm dia.	R. M.	9.00	8.00	8.00
Gen/B/11	Dismantling existing barbed wire fencing including demolition of concrete below MS angle - wooden bullies / R.C.C. post disposing the dismantled material as directed by the Engineer in charge.				
	(a) Wooden ballies fencing	R. M.	55.00	50.00	50.00
	(b) M.S Angle/pipe fencing & R C C poles/pipes	R. M.	60.00	50.00	50.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -C- Concrete Works</b>					
Gen/C/1	Providing and laying in position <b>plain cement concrete</b> using granite or black trap graded metal including mixing in a mechanically operated mixer, dewatering, compacting, curing as required complete for all lifts up to a $\pm$ 5 m. above or below the ground level where concrete is proposed, including centering/shuttering using ordinary Portland cement.				
	a) In 1:4:8 proportion.	Cu M	3400.00	3250.00	3150.00
	b) In 1:3:6 proportion.	Cu M	3600.00	3400.00	3300.00
	c) In 1:2:4 proportion.	Cu M	4350.00	4200.00	4150.00
Gen/C/1B	Add for centering component for loft type retaining wall, gravity wall or work involving major shuttering in the item Gen/C/1	Cu.M.	Deleted	Deleted	Deleted
Gen/C/2	Providing and laying <b>plain cement concrete</b> 1:3:6 as per item Gen / C / 1 / (b) <b>with plums</b> consisting of black trap or other approved stones 200 to 300 mm in size, clean, without skin or adhering encrustation's shape being as cubical or round as possible laid in single or in alternate layers as per directions of Engineer-in-Charges including shuttering, all labour and materials complete.				
	a) With 10% plum	Cu M	3300.00	3100.00	3090.00
	b) With 15% plum	Cu M	3150.00	3000.00	2950.00
	c) With 20% plum	Cu M	3050.00	2850.00	2800.00
	d) with 30% plum	Cu M	2500.00	2450.00	2400.00
	e) with 40 % plum	Cu M	2400.00	2350.00	2300.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/C/3 (A)	Providing and laying in position <b>Cement Concrete for RCC work</b> using granite / black trap metal including mixing in mechanically operated mixers, compacting by mechanical or manual means as may be required and directed by Engineer-In-Charge, including steel or plywood shuttering, centring, formwork dewatering, for all elements <b>in foundation, plinths</b> , of building works, where reinforced cement concrete is proposed to be used upto +/-5 m from the average ground level including all labour and material complete, finishing the surface with 1:3 cement mortar. etc complete.				
	a) In 1:2:4 proportion by volume	Cu M	5500.00	5350.00	5300.00
	b) In design mix concrete grade M-15	Cu M	5600.00	5500.00	5450.00
	c) In 1:1.5:3 proportion by volume.	Cu M	5530.00	5350.00	5300.00
	d) In design mix concrete grade M-20	Cu M	5630.00	5450.00	5400.00
	e) 1:1:2 proportion by volume.	Cu M	5680.00	5500.00	5450.00
	f) In design mix concrete grade M-25	Cu M	5800.00	5650.00	5600.00
	g) In design mix concrete grade M-30	Cu M	6000.00	5850.00	5800.00
	h) In design mix concrete grade M-35	Cu M	6200.00	6050.00	6000.00
	i) In design mix concrete grade M-40	Cu M	6400.00	6250.00	6200.00
Gen/C/3 (B)	Add over and above for all RCC water retaining structure 15 % extra over respective grade of concrete .(This shall be made applicable to ESR Sump ,Jack well, Intake well works in river bed and where there is continuous flow of water but excluding footing of ESR, plinth beams, columns and first brace beams, top slab of sump as per the site condition.		Add 15% in above respective item	Add 15% in above respective item	Add 15% in above respective item
Gen/C/3 (C)	Add for lift beyond initial lift of 5m + or - for every 3.5 m height or every floor in Item No.Gen/C/3(A) and Gen/C/3(B) and Gen/c/4a above.	Cu M	100.00	95.00	90.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/C/4 (A)	Providing & laying in position <b>Ready Mix Cement Concrete</b> for RCC work for beam column, slabs, pardis, road pavement, etc. using granite / black trap graded metal including mixing in plant, transporting in transit mixer, placing and compacting by mechanical means including steel or ply wood centering, form work for all elements, including all lifts & stationery pump for lifting concrete, all leads of concrete from RMC plant to site of work etc complete.				
	a) M - 10 Grade	Cu M	5500.00	5300.00	5200.00
	b) M - 15 Grade	Cu M	5700.00	5500.00	5400.00
	c) M - 20 Grade	Cu M	5950.00	5750.00	5650.00
	d) M - 25 Grade	Cu M	6200.00	6000.00	5900.00
	e) M - 30 Grade	Cu M	6400.00	6200.00	6100.00
	f) M - 35 Grade	Cu M	6600.00	6400.00	6300.00
	g) M - 40 Grade	Cu M	6900.00	6700.00	6600.00
	h) Add for additional centering involved for water retaining structures	Cu M	650.00	600.00	600.00
Gen/C/4 (B)	Providing & laying in position <b>Ready mix cement concrete</b> for C.C. work for Roads using granite or black trap graded metal including mixing in plant transporting in transit mixer, placing & compacting by mechanical means including required steel or plywood centering, form work for all elements, including all lifts & stationery pump for lifting concrete, all leads of concrete from RMC plant to site of work etc complete.				
	a) M - 10 Grade	Cu M	Deleted	Deleted	Deleted
	b) M - 15 Grade	Cu M	4610.00	4400.00	4300.00
	c) M - 20 Grade	Cu M	4900.00	4700.00	4600.00
	d) M - 25 Grade	Cu M	5130.00	5000.00	4900.00
	e) M - 30 Grade	Cu M	5270.00	5150.00	5100.00
	f) M - 35 Grade	Cu M	5600.00	5400.00	5300.00
	g) M - 40 Grade	Cu M	5750.00	5550.00	5450.00

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	<p><b>Notes :</b></p> <p>1. The above prices shall include the activities of:</p> <p>a. Study / recommendation of the concrete mix design.</p> <p>b. Preparation and testing of the concrete as per the approved design mix.</p> <p>c. Transportation of the concrete upto site.</p> <p>d. Placement of concrete in the formwork.</p> <p>e. Compaction, texturing and curing of concrete.</p>				
Gen/C/5	<p>Providing <b>expansion joints</b> by providing water stops, joint fillers etc. as stipulated in IS:3370 (Part I) 1991 all labour and materials complete. Item shall include cost of all jigs required to install the water stops in position.</p>				
	a) PVC Water Stops 150 mm wide.	R. M.	675.00	650.00	625.00
	b) PVC Water Stops 200 mm wide.	R. M.	800.00	750.00	750.00
	c) Rubber water stops 150 mm wide.	R. M.	1000.00	970.00	950.00
	d) Rubber water stops 200 mm wide.	R. M.	1200.00	1150.00	1125.00
Gen/C/6	<p>Providing and fixing <b>plastic cover blocks</b> of required size at 27 nos. per 10 Sq.M. of area to give required clear cover in <b>RCC slabs</b> etc complete.</p>	Sq M	8.00	7.00	7.00
Gen/C/7	<p>Providing and fixing <b>plastic cover block</b> of required size at 90 cm centre to centre to each main bottom bars of beams and also to the sides to give required clear cover form all sides to <b>RCC beams</b>.</p>	Cu M	65.00	55.00	55.00
Gen/C/8	<p>Providing and fixing <b>plastic cover blocks</b> of required size at 1.5 M centre to centre near, the edge of each side and at centre when width is more than 75 cms to reinforcement to give a clear cover of 40 to 65 mm from all sides of <b>RCC columns</b>.</p>	Cu M	23.00	21.00	21.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/C/9	Providing and fixing in position <b>reinforcement of all dia</b> for RCC piles, pile caps, footings, foundations, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels, parapets, 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 at all locations and height all labour and materials testing etc. complete.				
	a) Mild Steel Bars	M. T.	41700.00	41500.00	41300.00
	b) Tor Steel Bars.	M. T.	40800.00	40500.00	40300.00
	c) TMT Bars	M. T.	41500.00	41300.00	41000.00
	d) CRS-TMT Bars	M. T.	42700.00	42500.00	42000.00
Gen/C/10	Transporting from MIDC store straightening, cutting, hooking, bending, binding, welding placing in position M S Bars / Tor Steel Bars supplied by MIDC for reinforcement for RCC work etc. complete including cost of binding wire.	M. T.	4000.00	3700.00	3700.00
Gen/C/11	Providing and adding plasticizer/super plasticizer compound to concrete mix of all grades as per approved manufacturers instructions to achieve higher degree of workability. (Note: This item shall be operated only after prior approval from SE and after obtaining conformation from laboratory regarding doses and mixing procedure )				
	a) Plasticizer	Litre	120.00	100.00	90.00
	b) Super plasticizer	Litre	135.00	125.00	120.00

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Gen/C/12	Carrying out <b>treatment of reinforcement</b> by removal of rust and application of slurry consisting of approved polymeric compound and Portland cement as per manufacturers instructions. (This treatment is recommended in locations where chloride or sulphate attack is expected either due to properties of under ground water or due to properties of media handled as in the case of under ground piles foundations and RCC works connected with effluent treatment plants. (This item shall be operated after obtaining permission of The Chief Engineer/ Addl. Chief Engineer)	M. T.	9500.00	9200.00	9000.00
Gen/C/13	Providing and applying modified approved <b>polymer bituminous coating</b> for concrete surfaces up to plinth in locations where attack on steel is anticipated due to excessive presence of sulphates and chlorides in ground water. (This item shall be operated after obtaining permission of The Chief Engineer / Addl. Chief Engineer.)	Sq M	45.00	42.00	42.00
Gen/C/14	Providing and applying <b>FUSION BONDED EPOXY</b> coating conforming to IS 13620-1993 to reinforcement steel bars including all taxes except transportation charges etc complete.				
	<u>i) Plain &amp; Tor steel</u>				
	a) 8 mm diameter.	M. T.	19965.00	19965.00	19360.00
	b) 10 mm diameter.	M. T.	17732.00	17732.00	16456.00
	c) 12 mm diameter.	M. T.	16456.00	16456.00	15730.00
	d) 16 mm diameter.	M. T.	14762.00	14762.00	13915.00
	e) 20 mm diameter.	M. T.	13310.00	13310.00	12463.00
	f) 25 mm diameter.	M. T.	11858.00	11374.00	11132.00
	g) 28 mm diameter.	M. T.	10527.00	10527.00	10318.00
	h) 32 mm diameter.	M. T.	9438.00	9438.00	8987.00

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Gen/C/15	Providing and fixing centering for <b>R.C.C.</b> work made from steel plank, shuttering faces of required thickness and side battens and braces etc. including supports with steel tubular post, clamps, providing surface level, necessary oiling plugging the joints as directed, decentering after completion of work. Plain surface receiving concrete to be measured.				
	a) Footing parapet, and similar structure.	Sq M	350.00	325.00	300.00
	b) Slabs, beams, lintels, chajjas, canopies, staircase and similar structures	Sq M	500.00	500.00	450.00
	c) Columns, straight walls fins, drops panels and similar structures.	Sq M	500.00	500.00	450.00
	d) Circular walls, circular column of all diameter, shells and similar structure.	Sq M	550.00	550.00	500.00
Gen/C/16	Providing & applying anticorrosive treatment by Rust Converting primer of approved make to reinforced bars & structural steel etc. to prevent the steel from corrosion with all necessary material labour etc complete.	M. T.	3500.00	3500.00	3300.00
Gen/C/17	Providing & laying in position insitu rolled dry lean cement concrete 1:3:6 of trap metal and sand for foundation and bedding including steel channel form work, compacting using 8 to 10 T vibrating roller, curing using hessain cloth including all leads & lifts etc. complete.	Cu M	3350.00	3300.00	3250.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -D- Brick Work</b>					
Gen/D/1	Providing IInd class burnt brick masonry, with conventional type bricks in <b>foundation and up to plinth</b> level including bailing out water striking out joints on exposed faces, scaffolding, curing etc. complete.				
	a) 1:8 Cement Mortar.		Deleted	Deleted	Deleted
	b) 1:6 Cement Mortar.	Cu M	3150.00	3000.00	2900.00
	c) 1:5 Cement Mortar.		Deleted	Deleted	Deleted
	d) 1:4 Cement Mortar.	Cu M	3300.00	3200.00	3100.00
Gen/D/2	Providing II <sup>nd</sup> class burnt brick masonry with conventional type bricks in cement mortar for super structures upto 5.0 M height above plinth level of building or super structures or first floor including striking out joints on face where plaster is to be done scaffolding curing etc complete.				
	a) 1:8 Cement Mortar.		Deleted	Deleted	Deleted
	b) 1:6 Cement Mortar.	Cu M	3000.00	2900.00	2750.00
	c) 1:5 Cement Mortar.		Deleted	Deleted	Deleted
	d) 1:4 Cement Mortar.	Cu M	3150.00	3100.00	3050.00
Gen/D/3	Add for <b>every 3.5 m height or every floor</b> above + 5 m or ground floor for item Gen / D / 2.	Cu M	70.00	70.00	60.00
Gen/D/4	Providing Burnt Brick masonry with conventional type brick in cement mortar 1:3 in <b>half brick (115 mm thick)</b> including mild steel longitudinal reinforcement of 2 bars of 6 mm dia or hoop iron strip 25 mm x 1.6 mm at every third course properly bent and bonded at ends, or RCC M-15 band at every 1m height of 75 mm thickness with 8 mm dia. 2 bars longitudinally and 8 mm dia distribution @ 150 mm c/c including scaffolding, raking out joints and curing etc. complete.	Sq M	530.00	500.00	475.00
Gen/D/5	Add for every 3.5 M height or every floor above ground floor over item No. Gen / D / 4	Sq M	13.00	12.00	12.00



**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -E- Stone Masonry</b>					
Gen/E/1	Providing <b>uncoursed rubble masonry</b> of trap / granite / quartzite / gneiss stone upto +/- 5 m above / below plinth level or ground level <b>in foundation and plinth</b> including dewatering, striking out joints on exposed faces, curing, scaffolding etc complete (not less than 35% of mortar to be used)				
	a) Using 1:6 cement mortar.	Cu M	2600.00	2500.00	2450.00
	b) Using 1:5 cement mortar.	Cu M	Deleted		
	c) Using 1:4 cement mortar.	Cu M	2880.00	2780.00	2750.00
Gen/E/2	Providing <b>Laterite Stone masonry</b> including bailing out water striking out joints on exposed faces, curing, scaffolding etc. complete (not less than 18% of mortar to be used)				
	a) In 1:6 Cement Mortar.	Cu M	2865.00	2750.00	2700.00
	b) In 1:5 Cement Mortar.	Cu M	Deleted	Deleted	Deleted
	c) In 1:4 Cement Mortar	Cu M	3000.00	2900.00	2850.00
Gen/E/3	Providing <b>uncoursed rubble masonry for mass items</b> involving more than 1 M. width such as piers, retaining walls of tanks, abutments, wing walls, chairs, anchor blocks and for similar structures including bailing out water, curing, scaffolding etc. complete both for below ground and above ground work including all lift from ground, striking out joints on exposed faces excluding pointing etc. complete (not less than 40% & not more than 50% of mortar to be used. Heart stones shall not be less than 0.03 Cu.M. in size.				
	a) In 1:6 Cement Mortar.	Cu M	2700.00	2600.00	2500.00
	b) In 1:5 Cement Mortar.	Cu M	Deleted	Deleted	Deleted
	c) In 1:4 Cement Mortar.	Cu M	3000.00	2875.00	2800.00
Gen/E/4	Providing <b>coursed rubble masonry</b> of trap / granite gneiss stone <b>in plinth</b> including striking out joints on exposed faces, curing, scaffolding etc. complete (not less than 30% mortar to be used) including cement pointing in CM 1:3 etc. complete.				
	a) In 1:6 Cement Mortar.	Cu M	3000.00	2900.00	2850.00

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	b) In 1:5 Cement Mortar.	Cu M	Deleted	Deleted	Deleted
	c) In 1:4 Cement Mortar.	Cu M	3100.00	3000.00	2950.00
Gen/E/5	Extra over items Gen / E / 1 to Gen / E / 4 for <b>super structure</b> for additional lift of + 3 m or floor to floor or above + 5 m.	Cu M	140.00	120.00	120.00
Gen/E/6	Providing <b>Khandki facing</b> to uncoursed rubble masonry work with cement pointing 1:3 curing scaffolding etc. complete.	Sq M	600.00	550.00	500.00
Gen/E/7	Providing and constructing <b>Dry Stone masonry</b> with necessary corners through stones / headers etc. complete.	Cu M	700.00	600.00	500.00
Gen/E/8	<b>Labour rate</b> for constructing <b>Dry Stone masonry</b> with necessary corners through stones & headers (Material issued by MIDC at free of cost).	Cu M	450.00	400.00	400.00
Gen/E/9	Providing and constructing colgrout masonry with cement sand slurry including hand packing of dry rubble grouting to required pressure, including shuttering, scaffolding curing etc. including finishing the exposed faces of masonry with C.M. etc. Complete with all leads and lifts (45% mortar to be used) in cement sand mortar (1:3) including all tools and plants required etc. complete.	Cu M	2600.00	2450.00	2400.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -F- Finishing Works.</b>					
Gen/F/1	Providing plaster in cement mortar in 1:3 <b>with neeru finishing</b> to concrete or masonry surface in all position including scaffolding and curing complete.				
	a) 6 mm. thick single coat	Sq M	110.00	105.00	100.00
	b) 12 mm. thick single coat	Sq M	155.00	145.00	140.00
	c) 20 mm. thick two coats	Sq M	210.00	205.00	200.00
	d) 25 mm. thick two coats	Sq M	250.00	240.00	225.00
Gen/F/2	Providing plaster in cement mortar in 1:3 <b>without neeru finishing</b> to concrete or masonry surface in all position including scaffolding and curing complete.				
	a) 6 mm. thick single coat	Sq M	105.00	100.00	95.00
	b) 12 mm. thick single coat	Sq M	150.00	140.00	135.00
	c) 20 mm. thick two coats	Sq M	200.00	195.00	190.00
	d) 25 mm. thick two coats	Sq M	240.00	230.00	215.00
Gen/F/3	Providing plaster in cement mortar in 1:4 <b>with neeru finishing</b> to concrete or masonry surface in all position including scaffolding and curing complete.				
	a) 6 mm. thick single coat	Sq M	deleted	deleted	deleted
	b) 12 mm. thick single coat	Sq M	deleted	deleted	deleted
	c) 20 mm. thick two coats	Sq M	deleted	deleted	deleted
	d) 25 mm. thick two coats	Sq M	deleted	deleted	deleted
Gen/F/4	Providing plaster in cement mortar in 1:4 <b>without neeru finishing</b> to concrete or masonry surface in all position including scaffolding and curing complete.				
	a) 6 mm. thick single coat	Sq M	deleted	deleted	deleted
	b) 12 mm. thick single coat	Sq M	deleted	deleted	deleted
	c) 20 mm. thick two coats	Sq M	deleted	deleted	deleted
	d) 25 mm. thick two coats	Sq M	deleted	deleted	deleted
	e) 40 mm. thick two coats	Sq M	deleted	deleted	deleted

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/F/5	Providing <b>decorative textured</b> plaster coloured cement including 12 mm thick base coat in cement mortar 1:4 providing 5 mm thick marble chips with adhesive in line & level including scaffolding and curing complete.	Sq M	350.00	325.00	300.00
Gen/F/6	Providing <b>fine cement finish</b> 1.5 mm thick over green plaster surface including scaffolding and curing etc. complete.	Sq M	28.00	26.00	24.00
Gen/F/7	Extra over items Gen / F / 1 to Gen / F / 6 for providing plastering to <b>Ceiling</b> .	Sq M	17.00	15.00	13.00
Gen/F/8	Providing <b>sand faced plaster</b> (sponged external) in cement mortar 1:3 in all positions including base coat scaffolding, keeping the surface of base coat rough to receive sand faced treatment, curing etc. complete				
	a) 12 mm thick single coat.	Sq M	170.00	160.00	150.00
	b) 20 mm thick two coats	Sq M	230.00	220.00	205.00
	c) 25 mm thick two coats	Sq M	240.00	230.00	225.00
Gen/F/9	Extra over item no. Gen / F / 8 for providing plaster to <b>exterior walls of height more than 10 M</b> . from ground level for every additional height of 3.5 m or part thereof above 10 m.	Sq M	13.00	12.00	10.00
Gen/F/10	Extra over item / rates of item no. Gen / F / 8 for plastering on <b>circular surfaces</b> not exceeding 6 m. in radius.	Sq M	11.00	9.00	8.00
Gen/F/11	Providing <b>pointing</b> with cement mortar 1:3 <b>for brick masonry</b> including scaffolding and curing etc. complete.	Sq M	90.00	85.00	75.00
Gen/F/12	Providing plain cement mortar plaster bands, flush sunk or raised as per instructions in cement mortar 1:3 for each cm width.	Cm/M	4.50	4.00	3.00
Gen/F/13	Providing cement <b>pointing for stone work</b> using cement mortar 1:3 proportion				
	a) Flush Pointing	Sq M	65.00	60.00	55.00
	b) Ruled Pointing	Sq M	70.00	70.00	60.00
	c) Raised and Cut Pointing	Sq M	85.00	80.00	75.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/F/14	Providing and fixing <i>chicken mesh</i> made out of 22 / 24 gauge wire with openings of 25 mm x 25mm or less as approved over junctions of RCC brickwork or any other similar materials, nailing the chicken mesh with wire nails at 200-250 mm c/c prior to plastering, all labour and materials complete.	Sq M	65.00	60.00	60.00
Gen/F/15	Add extra over Item No Gen / F / 1, Gen / F / 2, Gen / F / 3 & Gen / F / 4, Gen / F / 5 to Gen / F / 7 for providing plaster for height more than 3.50 M or floor to floor height.	Sq M	15.00	14.00	12.00
Gen/F/16	Extra over items Gen/F/1 to Gen/F/3 for providing decorative strips , cornices, architrave's etc. 100 mm width and 6mm to 10 mm thick .	Sq M	70.00	70.00	60.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -G- Soli Investigation</b>					
Gen/G/1	Providing at site all machinery including labour, & skilled personnel required for soil investigation & exploration and removing the same after satisfactory completion of work, including restoration of the site, as directed by Engineer in charge etc complete.	L.S.	14100.00	13500.00	13500.00
Gen/G/2	<b>Setting</b> out the first <b>bore hole</b> at the location, as specified including shifting of equipments as required.	No.	1450.00	1350.00	1300.00
Gen/G/3	Shifting of crafts, plates, tools, equipment, labour etc. from one location to other including setting etc.	No.	1050.00	950.00	925.00
Gen/G/4	Boring 50 mm to 150 mm dia <b>bore holes</b> as specified through gravel, sand, siltclay and all soil, other than boulder or rock to depths below bed levels as follows.				
	<b>For 50 mm Dia bore holes</b>				
	a) Ground surface level to 10 m.	R.M.	980.00	900.00	860.00
	b) Beyond 10 m.	R.M.	1000.00	910.00	870.00
	<b>For 100 mm Dia bore holes</b>				
	a) Ground surface level to 10 m.	R.M.	1650.00	1550.00	1500.00
	b) Beyond 10 m.	R.M.	1750.00	1650.00	1600.00
	<b>For 150 mm Dia Bore holes</b>				
	a) Ground surface level to 10 m.	R.M.	1800.00	1700.00	1700.00
	b) Beyond 10 m.	R.M.	2000.00	1900.00	1900.00
Gen/G/5	Double barrel <b>rotary core drilling</b> (N X size) through weathered and hard rock, or boulders in bore holes as specified and collection of core samples in core box.	R.M.	1000.00	900.00	900.00
Gen/G/6	<b>Taking disturbed samples</b> in gravel, sand, silt, clay etc, pack, seal and label as specified including provision of containers, store as necessary with all handling and dispatch to laboratory and / or handing over to the Engineer in-charge.	No	400.00	350.00	350.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/G/7	<b>Taking</b> 100 mm dia <b>undisturbed samples</b> in sand, silt and clay bore holes at various depths, pack, seal & label as specified including the provision of sampling tubes. Storing as may be necessary with all handling charges & dispatching to laboratory.	No	400.00	350.00	300.00
Gen/G/8	Conducting <b>vane shear tests</b> inside bore holes in natural and remoulded state.	No	2200.00	2100.00	2000.00
Gen/G/9	Conducting Standard Penetration test as per IS specification including carrying conveying and setting all tools and plant required for the test as directed by the Engineer In Charge at any depth below ground level.	No	350.00	300.00	300.00
Gen/G/10	Conducting a set of routine laboratory tests such as liquid limit, plastic limit, optimum moisture content, density, and as per IS 1892 specifications in on approved laboratory on disturbed and undisturbed soil samples collected from site . Laboratory testing to be carried out in contractors laboratory or by recognised Govt. institutes or ISO certified laboratory including all labour material , tools and plants transportation etc. complete as per the instruction of Engineer In Charge.	Per Bore	2650.00	2600.00	2550.00
Gen/G/11	Conducting a set of routine laboratory tests such as density , water absorption test, mechanical sieve analysis crushing strength and test as per IS 1892 in approved laboratory on rock sample collected from site . Laboratory testing to be carried out in contractors laboratory or by recognised Govt. institutes or ISO certified laboratory including all labour material, tools and plants transportation etc. complete as per the instruction of Engineer In Charge.	Per Bore	1200.00	1200.00	1150.00
Gen/G/12	Collecting and testing ground water samles as per IS specification including all labour and material, transportation T&P etc complete.	Sample	1380.00	1360.00	1350.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Gen/G/13	Preperation and submission of comprehensive geological and geotechnical soil investgation report after preparing corelogs of bore samples and after interpreting the test results collected from the laboratory including recommendations as regards to SBC at various levels, type of foundation etc. including preparing 5 sets of reports alongwith drawing, test report etc. complete.	L.S.	2380.00	2350.00	2300.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -H- Piling Works</b>					
Gen/H/1	<b>Taking out trial bores</b> of 100 mm dia in a strata other than rock including setting the bore position, drilling below ground level preserving the sample neatly in wooden boxes or bottles including handing over the same with bore log in the respective office as directed.	R.M.	1150.00	1100.00	1100.00
Gen/H/2	<b>Taking out trial bores</b> of 100 mm diameter in <b>rocky strata</b> including locating and fixing the bore position, drilling below ground level, preserving the core and other samples neatly in wooden boxes or bottles and handing over the same with a bore log in the respective office as directed.	R.M.	1250.00	1200.00	1150.00
Gen/H/3	Providing <b>M-35 in situ bored piles</b> using minimum cement 350 kg/Cu.M. each of load capacity as designed and of 350 mm dia or as directed placed through steel shell sunk to the required depth through all strata except rock and or bentonite solution excluding provision of reinforcement including providing and placing concrete by tremie arrangement compaction of concrete and withdrawal of shell complete.	R.M.	1100.00	1100.00	1050.00
Gen/H/4	Providing <b>M-35 cast in situ bored piles</b> using minimum cement 350 kg/Cu.M. each of load capacity as designed and of <b>400 mm dia</b> or as directed placed through steel shell sunk to the required depth through all strata except rock, and or bentonite solution excluding provision of reinforcement including providing and placing concrete <u>by tremie arrangement</u> , compaction of concrete and withdrawal of shell complete.	R.M.	1250.00	1200.00	1150.00
Gen/H/5	Providing <b>M-35 RCC cast in situ bored piles</b> using minimum cement 350 kg/Cu.M. each of load capacity as designed and of <b>500 mm dia</b> or as directed placed through steel shell sunk to the required depth through all strata except rock, and or bentonite solution excluding provision reinforcement, including providing and placing concrete <u>by tremie arrangement</u> , compaction of concrete and withdrawal of shell complete.	R.M.	1650.00	1650.00	1600.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Gen/H/6	<b>Chipping and trimming of RCC piles</b> including cleaning, reinforcement and removal of dismantled materials etc. complete (for providing pile caps)	R.M.	350.00	340.00	320.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -I- Pre-cast Elements</b>					
Gen/I/1	Providing, erecting <b>pre-cast elements</b> such as cover slabs for drains, grills, kerbs, kerb stone, dividers, manholes, frames, manholes covers, gutters, fence posts grills, rails lintels, sills, bed blocks, steps or any other member or element as per drawings & specifications using RCC grade M-20 including shuttering as may be required, compacting by plate vibrator, curing and finishing the element where required with 1:3 cement mortar, transporting to site and erecting in position grouting with cement mortar 1:3 as may be required and curing etc. all labour and material complete. (Including cost of Steel reinforcement)				
	a) Elements weighing upto 50 kg.	Cu M	8650.00	8350.00	8100.00
	b) Elements, weighing from 51 to 100 kg.	Cu M	9100.00	8800.00	8600.00
Gen/I/2	Supplying & erecting prestressed concrete HOLLOW spun poles, with Design load : 2000 N & designed and manufactured as per IS 1385 & IS1343 and design mix concrete grade M-50 including excavation in pit of size 0.62 m x 0.62 m x 1.8 m and concrete foundation of grade M-15 & size 0.62 m x 0.62 m x 1.8 m, transport of poles from factory to site of work and erecting the same at site with necessary mechanical equipment, labour, material including two coats of cement based paint etc. complete.				
	a) Poles overall length 9.00 m (Bottom 300 mm dia, Top 150 mm dia and thickness of pole 50 mm)	No.	6550.00	6450.00	6300.00
	b) Poles overall length 10.00 m (Bottom 320 mm dia, Top 150 mm dia and thickness of pole 50 mm)	No.	6850.00	6750.00	6550.00
	c) Poles overall length 11.00 m (Bottom 330 mm dia, Top 150 mm dia and thickness of pole 50 mm).	No.	7250.00	7050.00	6900.00
	d) Poles overall length 12.00 m (Bottom 350 mm dia, Top 150 mm dia and thickness of pole 50 mm)	No.	8000.00	7800.00	7700.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Gen/1/3	Providing and supplying at Deptt. store or site of work and lowering, laying & jointing Double Walled Corrugated (DWC) pipes conforming to IS-14930-II in prepared trenches in grade and level including coupler joints including cost of couplers and testing of pipes at factory as per the stipulation in relevant IS Code etc. complete.				
	120 (O.D.) / 103 (I.D.) mm diameter.	R. M.	325.00	325.00	300.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -J- Water Proofing</b>					
Gen/J/1	Providing and laying <b>damp proof course</b> 25 mm thick with cement concrete 1:2:4	Sq M	180.00	150.00	140.00
Gen/J/2	Providing and mixing <b>water proofing compound</b> of approved make in concrete or mortar in required position wherever directed for rendering concrete / masonry / plaster watertight.	Kg.	70.00	65.00	60.00
Gen/J/3	Applying a coat of <b>Hot Bitumen (Asphalt</b> 80 / 100 grade or equivalent) using 1.7 kg/Sq.M. as damp proof course after cleaning the surface with brushes & finally with a piece of cloth lightly soaked in kerosene oil.	Sq M	75.00	70.00	70.00
Gen/J/4	Providing <b>integral wet on wet finishing</b> with cement finish 12 mm thick in cement mortar 1:3 on top of fresh cast roof slab, including form work, curing etc. complete with necessary slopes.	Sq M	122.00	120.00	110.00
Gen/J/5	Providing and laying patented <b>water proofing treatment for sanitary block</b> using required thickness of brick bat and cement mortar 1:3 with proper levelling including mixing with cement mortar the patented water proofing material of approved manufacturer and finishing the surface including guarantee of 5 years for water tightness and effective function.  [Note:Item to be operated with prior approval of CE (HQ) / Addl. CE]	Sq M	585.00	525.00	490.00
Gen/J/6	Providing <b>expansion joints</b> in RCC framed structure <b>interior columns</b> with plain pre moulded filler 25 mm thick including fixing teak wood battens for both faces and finishing as directed.	Sq M	1250.00	1150.00	1100.00
Gen/J/7	Providing <b>expansion joints</b> in R.C.C. structures <b>exterior columns</b> with plain <b>pre moulded filler</b> 25 mm thick and 3 mm thick aluminium plate, hold fast, fixing T. W. battens as internal face, finishing etc. complete as directed.	Sq M	1800.00	1750.00	1700.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/J/8	Providing <b>expansion joints</b> in RCC framed structure <b>at floor level</b> , with <b>pre-moulded filler</b> 25 mm thick and 2 mm thick aluminium plate as required, bitumen poured filler and fixing teak wood battens as rear faces etc. complete as directed.	Sq M	1550.00	1450.00	1400.00
Gen/J/9	Providing <b>expansion joints</b> in RCC framed structure <b>at terrace level</b> as per detailed drawings with <b>bituminous filler sheet</b> 25 mm thick and 3 mm thick aluminium plate anchored in both side beams as required, teak wood plate 12 mm thick, and 150 mm wide at bottom of joint including finishing etc. complete.	Sq M	2650.00	2550.00	2400.00
Gen/J/10	Providing and carrying out <b>water proofing of basements</b> , cellars, underground portion of water reservoirs, lift pits or any other underground structure as per the following. a) Treatment to the Top of Lean Concrete or over the side walls with water proofing plaster of thickness 25 to 30 mm thick, <b>And</b>  b) Laying of rough Shahabad ladi of 30 mm thick in cement mortar with addition of water proofing compound, water proofing plaster on the top of bottom slab and the ladi 40 mm thick, <b>And</b>  c) Treatment of side walls of the structure similar to the above and achieving total boxing. The height of the side walls treatment is such that it is at 150 mm above the surrounding finish level  d) Giving 5 years guarantee for water tightness. The above work shall be carried out through approved agencies etc.	Sq M	600.00	585.00	580.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/J/11	Providing and carrying out internal <b>water proofing</b> of structures like basements, underground tanks, lift pits or similar structures <b>by injection grouting</b> of construction joints, honey combed areas, junctions of wall & rafts etc. as may be required by providing nozzles of minimum 20 mm dia. grouted at suitable intervals and injection grouted with pure cement slurry or cement slurry with water proofing compound or as per specialist agencies practices and after grouting covering the surfaces of wall, bottom rafts or any other area required with water proof plaster of required thickness and giving test for water tightness including providing 7 years guarantee on court fee stamp paper for water tightness and workmanship. Work shall be carried out through any other reputed industries.	Per Cement Bag (50 Kg)	480.00	470.00	450.00
Gen/J/12	Providing and laying <b>water proof treatment</b> on terrace slab <b>with brick bat coba</b> in all position with an average thickness of 112 mm consisting specialised materials as per the manufacturer's specifications and covering 7 years guarantee on court fee stamp paper including all leads, lifts etc. complete & giving satisfactory water proofness test as per direction of Engineer in charge.	Sq M	450.00	425.00	400.00
Gen/J/13	Providing and applying a polymeric bonding coat of approved make on original concrete surface (i.e. beams, columns, slabs etc.) for bonding of plaster (new plaster) with the original concrete all as per manufactures' specifications including scaffolding etc. All materials & labour complete (Coverage per coat is 10 sq.m., per litre)  [Note:-Item to be operated with prior approvals of (CE/ Addl. CE)	Sq M	21.00	21.00	20.00
Gen/J/14	Providing and applying a polymeric bonding coat approved make or equivalent on original concrete surfaces (i.e. beams, columns, slabs etc. ) for bonding of new concrete done by gunniting as per manufactures specifications including scaffolding etc. All materials & labour complete. (Coverage per coat is 10 sq.m., per litre)  [ Note:-Item to be operated with prior approvals of (CE/ Addl. CE)	Sq M	21.00	21.00	20.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/J/15	Providing water proofing to roof slab including wire brushing the surface to remove dust, dirt, loose particles, algae, mortar dropping. Washing the surface with clean water and allow to dry. Fill all visible cracks with Chemistik RJFC and allow to dry for 24 hours. Providing and applying primer coat of Chemistik PMBM Sealer Coat Black to entire surface and allow to dry for 6 hours. Providing and laying Chemistik PMBM Elasto Polymer (APP) reinforced with GF Fibre Mat V3MM by torch application fully bonded, sealing side lap joints 4" and head lap joints 6" with heated rounded tip trowel. After 15 days apply Topcoat of Chemistick PMBM White or Maroon as per Manufacturer's Specification and giving the guarantee of 5 years on stamp paper.	Sq M	370.00	370.00	360.00
Gen/J/16	Providing and fixing in position FRP sheets (3mx1mx0.001m) size with the help of required chemicals and labours, scaffolding etc. including preparation of surface to receive FRP sheet treatment etc. complete and giving the guarantee of 5 years on stamp paper.  [ <b>Note</b> :-Item No. Gen/J/15 and 16 to be operated with prior approvals of (CE/ Addl. CE)	Sq M	400.00	400.00	390.00



**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -K- Survey Works</b>					
Gen/K/1	Conducting <b>topographical ground / land survey</b> in the specified areas as shown in the tender drawings by triangulation close traverse, covering details of physical features (Rivers, Nallah, Lake, Pond, Forest, etc.) and cultural information (Roads, culverts, transmission lines, telegraphs, telephones & electric poles, underground services, cross drainage works, etc.) including <b>recording spot levels at 5 m grid</b> or / as specified, plotting & developing topographical contour maps and plotting contours at 1 meter intervals or as specified in the tender documents, plotting true north including establishing survey reference stations including all equipment, instruments, personals etc. required to complete the work in all respects as directed by Engineer-in-charge including submission of field books, C.D. and all other survey data as required by Engineer-in-charge, Using <b>Total Electronic Station</b> and giving the computerised field books, contour maps with C.D. and five prints, along with tracing prints and loading data and drawings on any machine or p.c. in divisional office in approved software.	Hect.	1850.00	1850.00	1800.00
Gen/K/2	Conducting <b>topographical ground survey</b> as per specification and direction of Engineer-in-charge by triangulation close traverse, covering details of physical features (Rivers, Nallah, Lake, Pond, Forest, etc.) and cultural information (Roads, railways, culverts, transmission lines, telegraphs, telephones & pipeline structures, underground services, cross drainage works, etc.) including <b>recording spot levels</b> at 10 m interval or / as specified, plotting contours at 1m interval and developing topographical contour maps showing true north including establishing survey reference stations as per specifications including all equipment, personals etc. required to complete the work in all respects and preparing contour maps as specified. <b>Using Conventional method</b> . Upto 20 Hectors (when area is more than 20 Hect. this item shall not be operated)	Hect.	850.00	800.00	750.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/K/3	Taking <b><i>cross section of road alignment</i></b> with offset intervals not more than 10 m & with lesser interval at obligatory points such as Nallah, depressions etc, with minimum 5 levels on each side of offset with not more than 3 m interval as directed by the Engineer-in-charge including hire charges of instruments, material like lime, chain, tape etc. charges for the surveyors Engineers, plotting the L-Section of road and plan of alignment of road showing streams & obligatory structures supplying tracing on nylon film & five ammonia prints, with C.D. and minimum five sets of L-sections. etc complete. (Scale of drawings decided by the Engineer-in-charge).	K.M.	4150.00	4000.00	3700.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -L- Structural Steel Works</b>					
Gen/L/1	Providing, transporting, cutting, fabricating, welding, hoisting and erecting in position welded or bolted <b>structural steel work</b> consisting of column bases, columns, columns caps, roof legs trusses, portals, wind girders, gantry girders, plate girders, purlins, bracing etc. for structural steel work manufactured out of steel plates rolled sections like <u>I beams, channels, angels, erection bolts as may be required, erecting using devices like derricks, cranes or any other suitable guys etc. and final bolting, welding, testing</u> as may be required including two coat of red oxide zinc crome paint and two coats of synthetic super enamel paint of approved colour and shade. All materials and labour complete.	M.T.	47000.00	46000.00	45000.00
Gen/L/2	Providing, transporting, cutting, fabricating, welding, hoisting and erecting in position welded or bolted <b>structural steel work</b> with tubular sections using ERW tubes of various diameters erecting using devices like derricks, cranes or any other suitable guys etc. and final bolting, welding, testing as may be required including two coats of red oxide zinc crome paint and two coats of synthetic super enamel paint of approved colour & shade all materials and labour complete.	M.T.	49300.00	49000.00	48500.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -M- Horticulture Works</b>					
Gen/M/1	<b>Uprooting the weeds</b> from the trenched area after 10 to 15 days of flooding with water including disposal of uprooted vegetation.	Sq M	1.50	1.50	1.00
Gen/M/2	Excavation of pits for <b>flower bed</b> in ordinary soil 0.6 x 0.6 x 0.6 m and refilling the same with excavated earth mixed with manure or sludge in the ratio of 2:1, flooding with water dressing including removal of rubbish and surplus earth if any with all leads and lifts. (The flower plants / decorative plant will be supplied by MIDC free of cost).	No.	30.00	27.00	25.00
Gen/M/3	Providing Half brick <b>circular tree guard</b> in II class brick, internal dia 1.20 m, <u>height 1.2 m above the ground and 0.20 m below the ground</u> , bottom two course laid dry and top three courses in cement mortar 1:6 and intermediate course being in dry honey comb masonry as per design complete.	No.	245.00	235.00	230.00
Gen/M/4	Providing and <b>Edging with brick</b> laid length wise including, excavation, hand packing, and spreading neatly surplus earth within a lead of 50 m. etc. complete.	R. M.	20.00	18.00	15.00
Gen/M/5	<b>Plantation of trees</b> with excavation of pit size 0.6 x 0.6 x 0.6 m including putting cowdung manure for 0.03 cum. mixed with red earth. The tree plants will be supplied by MIDC free of cost Watering and completing maintenance of tree plant for a period of 3 months including removal of grass around plant etc. complete				
	a) In fenced area.	Plant	50.00	45.00	45.00
	b) Outside the fenced area, such as along road side etc.	Plant	55.00	50.00	46.00
Gen/M/6	Providing <b>water supply arrangements</b> including labour charges and Tools for the post monsoon period of 9 months. (Water to be supplied by MIDC free of cost at a particular one or two points wherever possible).				
	a) In fenced area.	Plant	30.00	25.00	24.00
	b) Along road sides.	Plant	35.00	32.00	30.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/M/7	<b>Maintenance of tree plant</b> including pruning, trimming, removing grass, shrubs and watch and ward etc. complete for the post. monsoon period of nine months.				
Gen/M/8	a) In fenced area.	Plant	25.00	25.00	25.00
	b) Along road sides.	Plant	30.00	30.00	30.00
Gen/M/8	<b>Providing the drip irrigation system</b> for single, double or multi rows of approved brands like jain irrigation, finolex EPC or its equivalent for plantation below 0.3 m ground including excavation, testing and commissioning as directed, including LD mains, spaghaty pipes, non openable constant pressure drippers, PP bowl valves as required etc. complete (Every single row shall be counted for measurement).	R.M.	25.00	22.00	22.00
Gen/M/9	<b>Collection of garbage</b> from road side & kundies in MIDC area, conveyance by truck upto disposal point as directed including all leads & lifts, loading, unloading, spreading levelling, disposing etc. complete.	Per 6M <sup>3</sup> Truck trip	900.00	850.00	825.00
Gen/M/10	Purchase of <b>Cowdung manure</b> including cost of manure, all leads & lifts, transportation, loading, unloading etc. complete.	Per 6M <sup>3</sup> Truck trip	1950.00	1850.00	1800.00
Gen/M/11	<b>Development of harali</b> including excavating the original ground, removing weeds and spreading of red earth 100 mm thick mixing with cowdung manure in 4:10 proportion, planting of harali, watering, rolling and removing weeds, dressing and maintaining such developed harali for a period of three months or upto the time of satisfactory growth of harali including cost of harali etc. complete.	Sq M	15.00	15.00	13.00
Gen/M/12	<b>Maintenance of harali</b> and water supply arrangements including labour charges & tools for the post monsoon period of 9 months and maintaining the harali including pruning, trimming, watch & ward etc. complete.	Sq M	15.00	15.00	13.00
Gen/M/13	<b>Painting and numbering trees</b> with white background and black lettering in oil paint of size 230 mm x 230 mm including making square groove etc. complete.	No.	10.00	9.00	8.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/M/14	Providing and Edging with approved 40mm thick precast element laid length wise including excavation, hand packing and spreading neatly surplus earth within a lead of 50 m etc complete.	R.M.	110.00	110.00	100.00
Gen/M/15	Plantation of trees in the pit size 0.75x0.75x0.75 m in soft rock or hard rock including 90 % fertile soil mixed with 10% cowdung manure planting ,watering and maintenance of tree plant for a period of 3 month including removal of grass around plant including necessary support to plant etc. complete <b>(Note : Excavation and making cracks at the bottom of pit shall be paid under relevent items)</b>				
	(a) In fenced area	Plant	65.00	65.00	60.00
	(b) outside the fenced area , such as along road side etc	Plant	85.00	85.00	75.00
Gen/M/16	Supply of good quality approved tree plants at site including carrying and conveying at work site etc. complete.				
	(a) Sheddy forest tree (0.60 mtr high)	Plant	15.00	14.00	14.00
	(b)Fruit bearing trees (0.60 mtr high)	Plant	32.00	32.00	30.00
	(c ) Ornamental/ shubery trees (0.30 mtr high)	Plant	17.00	16.00	16.00
Gen/M/17	Providing water supply arrangement including labour charges and tools for watering tree plants for the period of one month				
	(A) In fenced area				
	(a) Water supplied by contractor	Per plant/ Per month	4.50	4.50	4.00
	(b) Water supplied by MIDC at tap point	Per plant/ Per month	3.00	3.00	3.00
	(c ) Water supplied by drip irrigation system (Water supplied by MIDC free of cost)	Per plant/ Per month	2.50	2.50	2.50
	(B) Along road sides or periphery (with or without fencing )				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	(a) Water supplied by contractor	Per plant/ Per month	4.50	4.50	4.50
	(b) Water supplied by MIDC at tap point	Per plant/ Per month	3.50	3.50	3.50
	(c) Water supplied by drip irrigation system (Water supplied by MIDC free of cost)	Per plant/ Per month	3.00	3.00	3.00
Gen/M/18	Maintenance of tree plant including pruning, mulching, trimming, removing grass, shrubs and watch and ward and maintaining drip if provided etc complete for one month				
	(a) Infenced area	Per plant per month	3.50	3.50	3.50
	(b) Along road sides or periphery (with or without fencing )	Per plant per month	4.00	4.00	4.00
Gen/M/19	Providing the drip Irrigation system for single, double or multi rows of approved brand like Jain irrigation, Finolex EPC or equivalent for plantation below 0.3 m ground including excavation, testing and commissioning as directed, including LD mains, spaghaty pipes, non openable constant pressure drippers, PP bowl valves as required etc. complete (Every single row shall be counted for measurement)				
	a ) 20 mm dia.	R.M	18.00	18.00	17.00
	b) 16 mm dia.	R.M	16.00	16.00	15.00
	c) 12 mm dia.	R.M	13.00	13.00	12.00
	d) 16 mm line dripper	R.M	18.00	18.00	17.00
	e) 12mm line dripper	R.M	16.00	16.00	15.00
	f) 6 mm lateral	R.M	10.00	10.00	9.00
	g) 4 Lit/Hr. dripper (pressure Compensating)	No.	8.00	8.00	7.00
	h) 2 Lit/Hr. dripper (pressure Compensating)	No.	8.00	8.00	7.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
	i) 16 mm polyinline valve	No.	50.00	50.00	45.00
	j) 12 mm polyinline valve	No.	30.00	30.00	27.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/M/20	k) Valve Box ( HDPE material ) 150 mm size	No.	210.00	210.00	200.00
	230/225 mm size	No.	380.00	380.00	370.00
Gen/M/20	Excavation of pit of size 0.75x0.75x0.75 m in soft rock /hard rock including making crack by blasting at bottom up to 0.3 to 0.5 m including removing material and disposing off the same.	No.	130.00	130.00	125.00
Gen/M/21	Development of lawn of specified variety including excavating the original ground, removing weeds and preparing bed of 200 mm thick by brick bat,granular sand,granular murum of 8 cm thickness and 12 cm thick layer of soil by mixing with cowdung manure in the proportion 1:10 and planting of lawn, watering, rolling and removing weeds, dressing and maintaining such developed lawn for a period of 6 month etc complete.	Sqm	180.00	180.00	160.00
Gen/M/22	Development of shrubbery bed including preparing bed of 300 mm thick by mixing fertile soil & manure in proportion of 70:30 % & planting shrubs 4 Nos per sqm of specified variety with required spacing as directed & maintenance of shrubs for the period of six months including watering removing weeds etc complete	Sqm	260.00	260.00	250.00
Gen/M/23	Maintenance of lawn including watering, removing weeds, cutting,trimming applying the dose of manure & insecticides, including spreading red soil/ sand/ manure for topping purpose etc complete.	Sqm/ month	3.50	3.50	3.00
Gen/M/24	Providing & supplying at work site, dry compost manure free from termite, odour,weedings, pebbles, soil vegetation & non bio deportable material with all leads lifts & taxes and mixing and placing the same in the pits etc complete.				
	a) Cow dung manure	Cum	500.00	500.00	450.00
	b) Vermicompost	Kg	7.00	7.00	6.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Gen/M/25	Supplying at work site good quality soil, free from clods, pebbles, grass weeds, roots, termite, sand having a good permeability and potential of holding the water and free from non biodegradable materials for the plantation and gardening, complete inclusive of all leads, lifts, royalty, taxes, including mixing and placing in pits, etc complete.	Cum	190.00	190.00	170.00
Gen/M/26	Maintenance of shrubbery bed including watering, removing weeds, cutting,trimming applying the dose of manure & insectisides, etc complete.	Sqm/ month	2.25	2.25	2.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -N- Conveyance Items</b>					
Gen/N/1	<b>Lowering &amp; lifting material</b> from wagon at any Railway station from steamer or from any other godown or conveyance depots or from any other site of work or from stacks over ground, loading the materials into trucks or any other conveyance vehicle AND unloading, lowering, lifting & reloading in an approved manner the said materials into Railway wagons at any Railway Station, into steamers or into any other vessels in the docks any godowns or conveyance depots or into any other site of work of stacks over ground or any other place where materials are to be conveyed (all places in Maharashtra are covered by this item).				
	a) Cement, alum in bags, pig lead in slabs, any other materials packed in bags weighing upto 100 Kg. per bag.	M.T.	150.00	140.00	135.00
	b) Iron, steel structural bars, hardware items, grills doors / window frames, roofing materials sheets, any type of wood works, structural frames, furniture articles.	M.T.	240.00	225.00	210.00
	c) Including bending or straightening subject to production of bill for bending charges for iron steel structural bar (Type b above.)	M.T.	450.00	400.00	375.00
	d) All types of pipe and specials upto 150 mm dia. size (loading / unloading operations permitted by manual handling after using all safety devices to save damages to the materials).	M.T.	280.00	260.00	250.00
	e) All types of pipes and specials above 150 mm dia size loading / unloading operations from Railway / Docks by cranes (two crane operations are considered.)	M.T.	490.00	450.00	430.00
	f) All Miscellaneous materials such as all types of valves, machinery packing, gas / liquid containers each piece weighing upto 500 kg.	M.T.	180.00	175.00	170.00
	g) All materials as above in items Gen / N / 1 / e but each piece weighing above 500 kg and upto one tonne.	M.T.	230.00	215.00	205.00
	h) All materials as above items Gen / N / 1 / f but each piece weighing above one tonne.	M.T.	260.00	250.00	240.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/N/2	<p><b>Lowering &amp; lifting M.S. pipes</b>, M.S. plate of larger diameter having length more than 7 meter from wagon at any Railway Station unloading on ground with the help of crane, loading the same in the trailer &amp; unloading in an approved manner the said material at the destination as per instructions, stacking over the ground or any other place where materials are to be conveyed.</p> <p>(All places of Maharashtra are covered by this item) Three operations are considered i.e. unloading &amp; one loading with the help of crane and one unloading operation at the site will be done by crane is considered.</p>				
	i) M.S. pipes having length more than 7 M.	M.T.	550.00	520.00	500.00
	ii) M.S. plates having length less than 7 M.	M.T.	370.00	365.00	360.00
Gen/N/3	<p><b>Conveyance</b> for item no. Gen / N / 1 and Gen / N / 2 <b>in trucks</b> from one place to another (empty run not to be counted &amp; paid for between any two points in Maharashtra State).</p>				
	a) For lead upto & including 10 kms.	MT/KM	8.00	7.50	7.00
	b) For leads above 10 km. Upto and including 20 km.	MT/KM	7.50	7.00	6.50
	c) For leads above 20 km. upto and including 30 km.	MT/KM	7.00	6.50	6.00
	d) For leads above 30 km. upto and including 50 km.	MT/KM	6.00	5.50	5.00
	e) For leads above 50 km. Upto and including 100 km.	MT/KM	6.00	5.00	4.50
	f) For leads above 100 km. upto and including 200 km.	MT/KM	5.50	4.50	4.00
	g) For leads above 200 km. upto and including 300 km.	MT/KM	4.50	4.00	3.50
	h) For leads above 300 km. upto and including 500 km.	MT/KM	4.50	4.00	3.25
	i) For leads above 500 km.	MT/KM	4.00	3.50	3.00
	[Note: Only total actual lead shall be considered in respective sub items of leads of Gen / N / 3]				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Gen/N/4	<b>Conveyance</b> of M.S. / other pipes / plates having length more than 7 m. through Trailers only.	MT/KM	5.50	5.50	5.50
Gen/N/5	Conveyance for item No.Gen/N/1 and Gen/N/2 in trucks from one place to another (empty run not to be counted and paid for between any two points in Maharashtra State).		Deleted	Deleted	Deleted
	a) (I) For load upto 3 MT and lead upto & including 30 kms.	Per trip			
	II) For load more than 3 MT and upto 6 MT and lead upto 30 KM	Per trip			
	III) For load more than 6 MT and upto 10 MT and lead upto 30 km	Per trip			
	b) For leads above 10 km. upto and including 20 km.	M.T.			
	c) For leads above 20 km. upto and including 30 km.	M.T.			
	d) For leads above 30 km. upto and including 50 km.	M.T.			
	e) For leads above 50 km. upto and including 100 km.	M.T.			
	f) For leads above 100 km. upto and including 200 km.	M.T.			
	g) For leads above 200 km. upto and including 300 km.	M.T.			
	h) For leads above 300 km. upto and including 500 km.	M.T.			
	i) For leads above 500 km.	M.T.			
Gen/N/6	Conveyance of M.S./other pipes/plates having length more than 7 m. through trailers onlyfor 10 MT weight and lead upto 30 km ( Add Rs. 50/ - extra for every addl. 1 km beyond 30 km lead irrespective of weight) Note : Item shall be operated only after specific permission from C.E/ Addl. CE.	lumpsum	4700.00	4650.00	4600.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>General -O- Miscellaneous Items</b>					
Gen/O/1	Providing <b>typewriting / DTP services</b> including typewriting on computers with approved font & size with one hard copy of the same on desk jet printer etc. complete.				
	<b>A] A4 size (210 x 297 mm)</b>				
	i) Schedule B in 1 space & other matter in 1.5 space	Per Page	20.00	19.00	18.00
	ii) Schedule B & other matter in 1 space	Per Page	22.00	22.00	22.00
	<b>B] FS size (215 x 330 mm)</b>				
	i) Schedule B in 1 space & other matter in 1.5 space	Per Page	21.00	19.00	18.00
	ii) Schedule B & other matter in 1 space	Per Page	23.00	22.00	21.00
Gen/O/2	Providing good quality Xerox of the hard copy obtained under item no. Gen / O / 1 and approved by this office as specified in specification.				
	a) A4 size (210 x 297 mm)	Per Page	0.75	0.75	0.75
	b) FS size (215 x 330 mm)	Per Page	1.00	1.00	1.00
Gen/O/3	Preparing required numbers of sets of printed / Xerox copies under item no. 2 in accordance with Draft Tender Paper and providing binding services including binding with hard board lamination etc. complete.				
	Binding upto				
	a) 200 pages (100 back to back)	Per Book	35.00	35.00	35.00
	b) 300 pages (150 back to back)	Per Book	40.00	40.00	40.00
	c) 400 pages (200 back to back)	Per Book	45.00	45.00	45.00
	d) 500 pages (250 back to back)	Per Book	50.00	50.00	50.00
	e) 600 pages (300 back to back)	Per Book	55.00	55.00	55.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
	f) 700 pages (350 back to back)	Per Book	60.00	60.00	60.00
	g) 800 pages (400 back to back)	Per Book	65.00	65.00	65.00
	h) 1000 & above pages (500 & above back to back).	Per Book	70.00	70.00	70.00
Gen/O/4	Add extra for binding plan	Per Plan/book	3.00	3.00	3.00
Gen/O/5	Separate volume for plan (binding charges)	Per volume	40.00	40.00	40.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -A- Flooring</b>					
Bd/A/1	Providing and laying <b>rough Shahabad stone paving</b> (25 mm to 30 mm thick and 300 mm to 600 mm Square) in plain and/or diamond pattern on mortar bed of cement mortar 25mm thick, including cement float, cement pointing 1:3 curing and cleaning etc. complete ( <u>finished size of rough Shahabad stone 400 mm x 550 mm or 550 mm x 550 mm</u> )				
	a) 1:4 cement mortar.	Sq.M	367.00	363.00	330.00
	b) 1:6 cement mortar.	Sq.M	350.00	345.00	320.00
Bd/A/2	Providing and laying <b>rough tandur stone</b> (thickness 20 mm to 25 mm flooring 300 mm to 600 mm Square) in plain pattern on bed of cement mortar 20 mm thick including cement float for mortar bedding, cement pointing in cement mortar 1:3 curing cleaning etc. complete. ( <u>finished size of rough tandur stone 400 mm x 550 mm or 550 mm x 550 mm</u> )				
	a) 1:4 cement mortar.	Sq.M	405.00	385.00	380.00
	b) 1:6 cement mortar.	Sq.M	360.00	356.00	340.00
Bd/A/3	Providing and laying <b>rough tandur stone</b> (thickness between 30 to 40mm) flooring of size 300 mm to 600 mm square in plain pattern on a bed of cement mortar 20mm thick including cement float for mortar bedding, cement pointing in cement mortar 1:3, curing and cleaning etc. complete ( <u>finished size of tandur stone between 250 x 250 to 300 x 300mm</u> )				
	a) 1:4 cement mortar.	Sq.M	410.00	395.00	380.00
	b) 1:6 cement mortar.	Sq.M	340.00	330.00	320.00
Bd/A/4	Providing and laying 25 mm to 30 mm thick hand cut and machine <b>polished Shahabad stone paving</b> on and including 20 mm thick cement mortar bedding in 1:4 mix including cement pointing in 1:3 mix curing, paving and cleaning etc. complete.	Sq.M	435.00	410.00	400.00



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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Bd/A/5	Providing and laying 25 mm to 30 mm thick hand cut and machine <b>polished tandur stone paving</b> on and including 20 mm thick cement mortar bedding in 1:4 mix including cement pointing in 1:3 mix, curing, paving and cleaning etc. complete.	Sq.M	490.00	444.00	400.00
Bd/A/6	Providing <b>Indian patent stone flooring</b> 40 mm thick with M-15 grade concrete using 6 mm to 20 mm metal over bedding laid in proper grade and slope in alternate bays, including compaction, filling joints with bitumen and sand, marking lines, to give appearance of tiles, finishing smooth with extra cement curing etc. complete.				
	a) In plain natural colours.	Sq.M	251.00	240.00	230.00
	b) In red colours	Sq.M	260.00	250.00	240.00
Bd/A/7	Providing & fixing <b>plain / colour cement tiles</b> conforming to IS:1237-1990 for flooring in required location on bed of 1:4 cement mortar, 20 mm, thick including neat cement float, filling joints with neat cement slurry, curing, machine polishing, waxing conforming to IS:1443-1972				
	a) Ordinary grey tiles	Sq.M	380.00	340.00	320.00
	b) Colour tiles in white cement.	Sq.M	420.00	380.00	370.00
	c) Add extra for dados, skirting add to the above in Bd / A / 7 a, b	Sq.M	40.00	40.00	40.00
	d) Ordinary grey chequered tiles	Sq.M	363.00	317.00	310.00
	e) Coloured chequered tiles	Sq.M	422.00	400.00	400.00
Bd/A/8	Providing and laying <b>white glazed tiles</b> conforming to IS:777-1989 for flooring including 20 mm thick cement mortar 1:4 including neat cement float, filling joints with neat cement slurry, curing and cleaning complete (Indian make glaze tiles of standard make)				
	a) 150 mm x 150 mm first quality white tiles.	Sq.M	860.00	800.00	750.00
	b) 150 mm x 150 mm second quality white tiles.	Sq.M	800.00	750.00	650.00
	c) 150 mm x 150 mm first quality colour tiles.	Sq.M	1000.00	950.00	880.00

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	d) 150 mm x 150 mm second quality colour tiles.	Sq.M	900.00	850.00	780.00
Bd/A/9	<b>Extra over</b> items Bd / A / 8 and its sub items for using smaller size say 100 mm x 100 mm or any other size	Sq.M	60.00	60.00	55.00
Bd/A/10	<b>Extra over</b> items Bd / A / 8 and Bd / A / 9 for fixing the tilling in skirting and dado.	Sq.M	55.00	55.00	50.00
Bd/A/11	Providing & laying <b>Marble mosaic tiles</b> conforming to IS:1237-1990, of appearance, colour & pattern as approved with white and colour marble chips of maximum size of 6 mm for flooring in required position, set on and including 20 mm thick cement mortar 1:4 including neat cement float, filling the joints with neat cement slurry or with required pigment, curing, polishing etc. complete with pattern of tiles of different colours and design as directed.				
	a) Grey Mosaic Tiles in ordinary cement.	Sq.M	450.00	400.00	390.00
	b) Coloured mosaic tiles in white cement.	Sq.M	800.00	650.00	610.00
	c) Add extra for dados, skirting add to the rates in items as per item Bd / A / 11 a) & b)	Sq.M	40.00	40.00	35.00
Bd/A/12	<b>Extra over</b> all the flooring items for providing & fixing sills of various materials like polished tandur, polished Shahabad, polished kottah / marble mosaic tiles of approved colour over 25 to 40 mm thick 1:4 cement mortar bedding including pointing with 1:3 cement mortar including cutting, polishing, curing etc. of the surface all labour and materials complete.	Sq.M	89.00	80.00	70.00
Bd/A/13	Providing and fixing <b>black cuddapa polished stone sills or kitchen platforms</b> , partitions of thickness varying from 25 to 30 mm over cement mortar bedding of 25 to 40 mm in 1:4 proportion including cutting, polishing the edges etc. all labour and materials complete.	Sq.M	630.00	580.00	540.00
Bd/A/14	<b>Filling</b> in plinths and floors with approved <b>excavated materials</b> in 150 to 200 mm layers including watering and compaction etc. complete (Rate inclusive of necessary royalty charges with all leads and lifts)	Cu.M	45.00	42.00	40.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/A/15	<b>Filling</b> in plinths and floors with <b>hard murum</b> brought by the contractor from his borrow areas with all leads in 150 to 200 mm layers including watering and compaction etc. complete with all leads and lifts and necessary royalty charges etc complete.	Cu.M	240.00	230.00	200.00
Bd/A/16	Providing and laying <b>granite or black trap over size metal</b> 50 mm to 75 mm size within plinth or any floor of the building and filling in interstices with smaller chips and mixtures of the stone dust and hard murum and compaction of the crust with profuse watering and finishing the surface for receiving flooring concrete etc. complete inclusive of all leads & lifts and royalty charges.	Cu.M	650.00	620.00	600.00
Bd/A/17	Same as Bd / A / 16 but using materials obtained out of rock excavation issued by MIDC free of cost.	Cu.M	220.00	200.00	180.00
Bd/A/18	Providing & fixing in position machine cut and machine polished 25 mm thick <b>marble partitions</b> inclusive of making necessary grooves in walls & fixing in CM 1:3 inclusive of all labour and material etc. complete.	Sq.M	2105.00	1916.00	1750.00
Bd/A/19	Providing and laying ceramic tiles (equivalent to Bell, Spartek, Johnson, Pedders, Kajaria etc). conforming to IS:13712-1993, of approved colour including cement float, filling the joints with matching colour, with pigments added to white cement slurry cleaning etc. complete.				
	a) Any size with approved design	Sq.M	1100.00	1050.00	1000.00
Bd/A/20	(a) Providing and fixing machine cut, machine polished <b>Kottah stone for treads and risers of stairs</b> , stones being 25 to 30 mm thick single piece including provision of 3 grooves at the edge for treads, over 25 mm thick bedding of cement mortar 1:4 including polishing etc. complete.	Sq.M	760.00	750.00	590.00
	(b) Add for moulding and edge polishing	R.M.	190.00	163.00	140.00
	(c) Providing and fixing hand cut <b>Kottah stone flooring</b> 20 mm thick using pre polished kottah stone, <u>slabs of approved size</u> , laying on 20 mm cement mortar bed 1:4, filling the joints with a mixture of cement slurry and pigments as required, curing, polishing, all labour & materials etc. complete.	Sq.M	680.00	650.00	600.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	(d) Extra for providing mirror finish	Sq.M	170.00	166.00	140.00
Bd/A/21	a) Providing and fixing machine cut, machine polished <b>marble stone</b> treads and risers for step 25 mm thick, including rounding the edge of treads, over 25 mm thick bedding in cement mortar 1:4 including neat cement float filling the joints, with white cement, curing cleaning and polishing etc complete.	Sq.M	2000.00	1827.00	1740.00
	(b) Add for moulding and polishing edge faces in Item no. Bd / A / 21 (a)	Sq.M	170.00	158.00	160.00
Bd/A/22	Providing and fixing machine cut, machine <b>polished marble stone flooring</b> 25 mm thick over bedding of cement mortar 1:4 including neat cement float filling the joints with white cement, curing, polishing and cleaning etc. complete	Sq.M	1700.00	1600.00	1520.00
Bd/A/23	(a) Providing and fixing machine cut, machine polished <b>marble stone sills</b> 20 mm thick over 25 mm bedding in cement mortar 1:4 etc. complete.	Sq.M	1650.00	1513.00	1400.00
	(b) Add for moulding & polishing edges in item no. Bd / A / 23 (a)	R.M.	220.00	190.00	180.00
Bd/A/24	Providing and fixing machine cut and machine polished <b>granite stone</b> facing to chajja, walls, canopy etc. including 12 mm thick cement plaster backing in cement mortar 1:3 including fixing hidden clamps as may be directed.				
	(a) Using 8 mm tiles.	Sq.M	1530.00	1460.00	1400.00
	(b) Using 12 mm Slabs	Sq.M	2400.00	2350.00	2300.00
Bd/A/25	Providing and laying <b>PVC flooring</b> of approved make and colour as per manufacturers instruction including supply of flooring material, adhesive as may be required including preparation of the floor surface by washing, cleaning etc. applying the adhesive and laying the PVC flooring etc. all labour materials etc. complete.				
	a) For tiles 1.5 mm thick, 300 mm x 300 mm.	Sq.M	520.00	480.00	450.00
	b) For flooring using PVC rolls 1 mm thickness.	Sq.M	350.00	320.00	270.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/A/26	Providing and laying <b>pre polished granite flooring</b> of 18 mm thickness, size and colour including cutting to the required size, laying jointing and grouting the joints with cement slurry of required colour made of white cement and colour on a bed of 1:4 cement mortar all labour & materials etc. complete.	Sq.M	3300.00	3000.00	2900.00
Bd/A/27	Laying M-20 grade concrete with cement not less than 410 kg/cu.m. in floors, 120 mm thick well compacted, mechanically vibrated, finished to required levels, de-watered by vacuum process TREMIX or equivalent floated with neat cement and power trowelled to get desired smooth finishing over 75 mm thick plain cement concrete of mix 1:3:6 as a leveling course over rubble soling, including MS shuttering wherever required, curing etc. complete for both operations of concrete work. The reinforcement for Tremix 120 mm thick floor shall be 8 Tor @ 250 mm c/c both ways. The construction joints to be formed by cutting with mechanical saw. The size of the groove to be cut in both directions i.e. along the panels and across the panels in concrete should be 4 mm x 30 mm to form panel of size 3 m to 4 m wide x 6 m to 8 m long. The operation should be carried out after final curing of concrete. The groove joints should be filled with clean dry sand at bottom and finished with polysulphide joint sealant at top 4 mm x 4 mm size. The surface tolerance should not exceed 3 mm in three meter length measured by straight edge in any direction.	Sq. M.	430.00	420.00	380.00
Bd/A/28	(All work to be measured and paid under respective items in the schedule. This rate is extra over the schedule rates for vacuum B1686de-watering and finishing only.) Providing and fixing in line & level <b>paver blocks</b> as specified. The paver blocks shall confirm to BS 6717 ASTM C 936 - 96 including providing and preparing sand beds as specified, fixing blocks in position at site, filling the joints by jointing sand, compacting the blocks by plate vibrator including filling the side joints by m-20 grade cement concrete if required etc. complete.				
	a) 60 mm thick (strength 35 M pa) on sand bed 30 mm thick	Sq.M	950.00	900.00	850.00
	b) 80 mm thick (strength 45 M pa) on sand bed 40 mm thick	Sq.M	1090.00	1010.00	950.00

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	c) 100 mm thick (strength 50 m pa) on sand bed 40 mm thick	Sq.M	1150.00	1040.00	1000.00
	d) 50 mm thick (strength 35 M pa) on sand bed 30 mm thick	Sq.M	832.00	807.00	750.00
	e) 65 mm thick (strength 35 M pa) on sand bed 30 mm thick	Sq.M	1030.00	950.00	900.00
	f) Add extra for pavor blocks with top surface of 10 mm thickness in white cement with colour pigments (lacker finish) manufactured as per italian technolgy	Sq. M.	150.00	150.00	150.00
Bd/A/29	Providing & laying pre polished <b>Granamite/Marbonite (Vitrified tiles) flooring</b> of 6 mm to 8 mm thick, size 600 x 600 mm of approved colour including cutting the required size, laying, jointing and grouting the joints with cement slurry of required colour on bed of 25 mm thick in C.M. 1:4 all labour and materials etc. complete				
	a) In white/ivory colour with any pattern/design	Sq.M	2000.00	1750.00	1650.00
	b) In special colours with any pattern/design	Sq.M	1500.00	1500.00	1500.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -B- Door &amp; Windows</b>					
Bd/B/1	Providing and fixing best quality superior <b>Indian teak wood frame for doors, windows and ventilators</b> including all moulding, rebating, jointing, hold fasts of MS flats of minimum size 20 x 3 mm, having length of 225 mm for doors & 150 mm for windows and finishing with 3 coats of French polish or one coat of primer and synthetic enamel paint in two coats as directed etc. complete.	Cu.M	90640.00	88370.00	77000.00
Bd/B/2	Providing and fixing best quality superior <b>Indian teak wood shutters for door, windows, ventilators single and double leaf</b> including all moulding rebating joinery and finishing with three coats of French polish or one coat of primer and synthetic enamel paint in two coats as directed etc. complete (Hinges, fixtures to be paid separately) area of clear opening within the frame to be measured etc complete as per drawing and design IS:1003 part 1,2 latest edition.				
	a) Styles and rails 40 mm thick and 30 mm thick panels	Sq.M	3650.00	3600.00	3150.00
	b) Styles and rails 40 mm thick and 25 mm thick panels.	Sq.M	3550.00	3510.00	3050.00
	c) Styles and rails 40 mm thick and 20 mm thick panels.	Sq.M	3500.00	3440.00	3000.00
	d) Styles and rails 35 mm thick and 20 mm thick panels.	Sq.M	3400.00	3340.00	2950.00
Bd/B/3	Providing and fixing readymade <b>fully paneled door shutters</b> with 'C' class hard wood styles and rails conforming to IS:1003-1991edition with chemically treated pressure treatment as per IS:401-1990 and kiln seasoned as per IS:1141-1993, 12 mm thick teak wood particle board bonded with phenol pharmldehyde synthetic resin as panels having commercial veneer on both faces and painted with pink wood primer etc complete with one coat of primer and 2 coats of synthetic enamel paint.				
	a) 30 mm style.	Sq.M	2100.00	2050.00	1800.00
	b) 35 mm style.	Sq.M	2200.00	2120.00	1850.00
	c) 40 mm style.	Sq.M	2300.00	2150.00	1900.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/4	Providing and fixing best quality superior <b>Indian teak wood shutters, single &amp; double leaf for doors windows and ventilators</b> partly glazed with three coats of French Polish or one coat of primer and 2 coats of synthetic enamel paint etc as directed using plain sheet glass 4 mm thick complete as per approved drawings and designs, as per IS:1003 Part II 1993. All labour and materials complete.				
	a) Styles and rails 30 mm thick.	Sq.M	3250.00	3204.00	2750.00
	b) Styles and rails 35 mm thick.	Sq.M	3400.00	3340.00	2870.00
	c) Styles and rails 40 mm thick.	Sq.M	3500.00	3341.00	2975.00
Bd/B/5	Providing and fixing best quality superior <b>Indian teak wood shutters, single or double for doors, windows and ventilators</b> fully glazed using plain/frosted sheet 4 mm thick glass and 3 coats of french polishing or one coat of primer and two coats of synthetic enamel paint for shutters frames etc. as directed as per drawing and designs and as per IS:1003-1993 part-III.				
	a) Styles 30 mm thick.	Sq.M	2500.00	2340.00	2100.00
	b) Styles 35 mm thick.	Sq.M	2700.00	2550.00	2280.00
	c) Styles 40 mm thick.	Sq.M	3000.00	2700.00	2500.00
Bd/B/6	Providing and fixing superior quality <b>flush doors solid core</b> commercial type hot pressed conforming to IS:2202 (Part I,II) 1991 including one coat of primer and 2 coats of synthetic enamel paint on both faces etc. with 12 mm teak wood lipping all around.				
	a) 25 mm thick shutter.	Sq.M	890.00	840.00	800.00
	b) 30 mm thick shutter.	Sq.M	980.00	940.00	850.00
	c) 35 mm thick shutter.	Sq.M	1040.00	970.00	860.00
	d) 40 mm thick shutter.	Sq.M	1100.00	1000.00	910.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/7	Providing and fixing superior quality factory made <b>flush door, solid core</b> Commercial type hot pressed with <b>veneer finish on one face</b> in single piece, conforming to IS:2202-1991 (Part I, II) with three coats of French polishing for veneer face and one coat of primer and two coats of synthetic enamel paint on other face with 12mm thick teak wood lipping all around etc. complete				
	a) 25mm thick shutter.	Sq.M	1250.00	1220.00	1080.00
	b) 30mm thick shutter.	Sq.M	1350.00	1330.00	1120.00
	c) 35mm thick shutter.	Sq.M	1400.00	1360.00	1160.00
	d) 40mm thick shutter.	Sq.M	1450.00	1400.00	1200.00
Bd/B/8	Providing and fixing superior quality <b>flush doors, solid core</b> , hot pressed with <b>veneer finish on both faces</b> in single piece conforming to IS:2202-1991 (Part I & II) with 3 coats of French polishing etc. complete with 12mm teak wood lipping all around etc. complete.				
	a) 25mm thick shutter.	Sq.M	1634.00	1586.00	1380.00
	b) 30mm thick shutter.	Sq.M	1702.00	1698.00	1450.00
	c) 35mm thick shutter.	Sq.M	1861.00	1787.00	1580.00
	d) 40mm thick shutter.	Sq.M	1900.00	1877.00	1600.00
Bd/B/9	Providing and fixing in position best quality superior <b>Indian teakwood, single shutter</b> with 35 mm thick styles and best approved quality ply wood paneling, including one coat of primer and two coats of synthetic enamel painting etc. complete.				
	a) 6mm thick water proof plywood paneling.	Sq.M	1180.00	1180.00	1150.00
	b) 12mm thick water proof plywood paneling.	Sq.M	1420.00	1420.00	1250.00
	c) 18mm thick water proof plywood paneling.	Sq.M	2800.00	2500.00	2350.00
Bd/B/10	Providing and fixing door made of <b>Eco board</b> of one side laminated (interior type) conforming to IS:3087-1985 & 12823-1990 of approved colour including lipping 25 x 20 mm including polishing etc. complete. (Fixtures to be paid separately)				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	<b>A] One side laminated Eco Board</b>				
	1) 9 mm thick.	Sq.M	900.00	800.00	780.00
	2) 12 mm thick.	Sq.M	940.00	870.00	850.00
	3) 15 mm thick.	Sq.M	980.00	975.00	895.00
	4) 18 mm thick.	Sq.M	1100.00	1050.00	950.00
	5) 21.40 mm thick.	Sq.M	1150.00	1100.00	1025.00
	6) 25 mm thick.	Sq.M	1200.00	1150.00	1050.00
	<b>B] Both side laminated Eco Board</b>				
	1) 9 mm thick.	Sq.M	951.00	910.00	870.00
	2) 12 mm thick.	Sq.M	1034.00	1020.00	950.00
	3) 15 mm thick.	Sq.M	1100.00	1050.00	980.00
	4) 18 mm thick.	Sq.M	1180.00	1150.00	1050.00
	5) 21.40 mm thick.	Sq.M	1250.00	1220.00	1130.00
	6) 25 mm thick.	Sq.M	1332.00	1290.00	1200.00
Bd/B/11	Providing and fixing <b>mild steel windows</b> conforming to IS:2835-1987 with shutter, fully glazed with 4 mm thick plain / float / figured sheet glass conforming to IS:1761 with necessary hold fast Iron copper oxidised fixtures as per latest practices, steel sections conforming to relevant Indian Standards and painting with one coat of approved anticorrosive paint and two coats of synthetic enamel paint etc complete with 10 mm x 10 mm x 3 mm MS angle bedding or 10 x 10 x 20 mm gauge aluminium channel bedding fixed all round duly screwed with GI screws, fixed to the window shutter frames and sash bars with suitable thickness, rubber gaskets between glass and position rigidly including necessary superior quality of putty etc. complete				
	a) Without guard bar.	Sq.M	2150.00	1900.00	1550.00
	b) With guard bar 10 mm Square bar @ 125 mm c/c.	Sq.M	2100.00	2050.00	1700.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/12	Providing and fixing anodized (anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour) aluminium sliding type windows conforming to IS:1948, 1961 (all shutters sliding) with hollow bottom section & standard two / three / four track frame section all round (top, bottom and sides) with shutter frame made up of standard handle section standard interlocking section and standard top and bottom section with 5 mm thick clear sheet glass with nylon guides, gliders glass fixing PVC weather strips, PVC weep holes etc complete with approved type of locking arrangement, handles and other fixtures including fixing, cleaning polishing the aluminium section with petrol and / or other agents as specified by the manufacturers etc. complete. (The rate shall be inclusive of silicon Sealant / Neoprene gasket).				
	a) Aluminum section used	Kg.	310.00	300.00	280.00
	b) 5 mm glass section used.	Sq.M	520.00	490.00	430.00
	c) 3.5 mm thick glass section used.	Sq.M	480.00	430.00	410.00
	d) 4 mm thick tinted glass	Sq.M	650.00	600.00	530.00
	(Note: For sliding aluminum windows total weight of sections shall be between 6 to 8 kg/sq.m.)				
Bd/B/13	Providing and fixing anodised <b>aluminum openable (top and side hung) windows &amp; ventilators</b> , conforming to IS:1948-1991& 1949-1991 with windows frame made of standard Z sections with minimum 4 mm. thick (as specified by the manufacturer) plain/frosted/white sheet glass as specified by department, including aluminum stays, specially designed butt hinges(design to be got approved from the Dept.) locking arrangement and other necessary fixtures and fastenings, including PVC lining for water tightness, glass water fixing clips as approved by the Department etc. complete including finishing, cleaning, polishing the aluminum frame with petrol and/or other agents as specified by the manufacturer etc. complete (the rate shall be inclusive of Neoprene gasket and silicon sealant as required)				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	a) For aluminum section used.	Kg	330.00	300.00	290.00
	b) For 4 mm sheet tinted glass used.	Sq.M.	690.00	658.00	550.00
	c) For 3.5 mm thick glass used.	Sq.M.	500.00	459.00	400.00
	(Note: For top and side hung aluminum windows total weight of sections shall be between 10 to 12 kg/sq.m.)				
Bd/B/14	Providing and fixing <b>floor spring boxes</b> for aluminium doors, swinging type with 180 degree swinging as per IS:7197-1990, including all labour and materials etc. complete.	No.	2054.00	2000.00	1900.00
Bd/B/15	Providing and fixing <b>rolling shutters</b> of 18 gauge sheets conforming to IS:6248-1991 with hood, self coiling type spring with guide channels & locking arrangements, all fixtures with one coat of steel primer and two coats of aluminium paint etc. complete (including the cost of MS Box cover Top).				
	a) Using M.S. sheet.	Sq.M	2300.00	2100.00	2000.00
	b) Using G.I. Sheet.	Sq.M	3100.00	2700.00	2400.00
Bd/B/16	Extra over item Bd / B / 15 for providing mechanical gear and operating device on each door.	No.	2300.00	2100.00	1800.00
Bd/B/17	Providing and fixing teak <b>wood cover</b> mould to door frame of size 40 mm x 12 mm with design as directed including 1 coat of primer and 2 coats of French polishing / as required / or -enamel paint.	R.M.	80.00	75.00	65.00
Bd/B/18	Providing and fixing <b>M.S. rectangular frame</b> to windows or openings, made out of 50 x 6 mm flats, duly welded with MS flat / square bars in horizontal direction at 100 mm c/c including 50 x 6 mm MS flats / square bars, if required limiting span of horizontal MS Bars to 1.00 m to less than 1.00 m., with two coats of synthetic enamel painting etc. complete.				
	a) 12 mm Sq. Bars.	Kg.	58.00	55.00	50.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/19	Providing <b>M.S. bars</b> as above to windows and other openings (without frame) at 100 mm c/c spacing in horizontal direction including 50 x 6 mm MS flats if required, limiting the spans of horizontal MS bars to 1.00 m or less with 2 coats of synthetic enamel paint etc. complete.				
	a) 16 mm dia. Bars. (Plain Bar)	Kg.	60.00	55.00	50.00
	b) 20 mm dia. Bars. (Plain Bar)	Kg.	60.00	55.00	50.00
Bd/B/20	Providing and fixing <b>M.S. grill work</b> to windows or openings made out of 12 mm square bars or MS flats of 20 mm x 4 mm welded to rectangular frame made out of 50 x 6 mm M .S. flats with necessary holdfast one coat of primer and two coats of synthetic enamel paint etc complete.	Kg.	60.00	55.00	50.00
Bd/B/21	Providing & fixing in position <b>A.C. sheet partition</b> with c.c. teakwood frame work of 50 mm x 75 mm size forming panels of 1.2 m x 1.2 m size including two coats of synthetic enamel painting etc. complete.				
	a) 4 mm thick A.C. sheets.	Sq.M	650.00	620.00	600.00
	b) 6 mm thick A.C. sheets.	Sq.M	750.00	700.00	650.00
Bd/B/22	Providing and fixing in position <b>plywood partition</b> with C.C. teakwood frame work of 50 x 75 mm in 1.2 m x 1.2 m size panels including one coat of wood primer and two coats of synthetic enamel painting etc. complete.				
	a) 6 mm thick plywood.	Sq.M	900.00	830.00	730.00
	b) 8 mm thick plywood.	Sq.M	1000.00	930.00	830.00
	c) 6 mm thick plywood from both side of frame	Sq.M.	1208.00	1130.00	1050.00
	d) 8 mm thick plywood from both side of frame	Sq.M.	1407.00	1306.00	1200.00
	e) Add extra for lamination instead of painting for single side	Sq.M.	336.00	300.00	260.00
	f) Add extra for lamination instead of painting for both sides	Sq.M.	651.00	600.00	520.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/23	Providing and fixing in position <b>M.S. Gate</b> with 50 mm diameter MS / GI pipe frame as per approved design and type, using MS bars, plates and weighing not less than 20 kg/sqm including providing and fixing 40 x 12 mm M.S. flat as guide with necessary fixtures, rollers one coat of red oxide primer and two coats of oil painting etc. complete.				
	a) M.S. Gate (with pipe thickness of 3 mm).	Sq.M	2600.00	2400.00	2100.00
	b) G.I. Gate ('B' Class pipes)	Sq.M	2900.00	2400.00	2200.00
Bd/B/24	Providing and fixing <b>anodised aluminium doors</b> conforming to IS:1943-1964 (with outer frame made up of 100 mm x 45 mm. <u>with 6 mm thick clear sheet glass</u> conforming to IS:2835-1991, fixed by means of triangular clips and rubber gasket as approved by the department including tower bolts, decorative type handles, maximum safety locking arrangements with reinforcement <u>steel latches having 37 mm projection</u> and other fixtures and fastenings approved by the Department, including finishing, cleaning, polishing the aluminium frame with petrol and / or other agents as specified by the department (The rate shall be inclusive of silicon Sealant / Neoprene gasket).				
	a) For aluminium section used.	Kg.	320.00	305.00	300.00
	b) For 6 mm thick sheet glass.	Sq.M	680.00	670.00	650.00
	c) For 10mm thick sheet / float glass	Sq.M	1500.00	1381.00	1250.00
	(Note: For Aluminum Doors, total weight of sections shall not be more than 12 kg/sq.m.)				
Bd/B/25	Providing and fixing <b>anodised aluminium fixed glazing shutter</b> with outer frame made up of bottom section as per requirement including 6 mm thick clear sheet glass fixed by means of triangular clips or flush glazing system, with rubber gaskets as approved by the dept., including finishing, cleaning, polishing the aluminium section with petrol and / or other agents as specified by the manufacturer etc. complete.				
	a) Aluminium section used.	Kg.	320.00	300.00	290.00
	b) 6mm thick sheet glass used.	Sq.M	636.00	620.00	600.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Bd/B/26	Providing and fixing in position <b>Northlight glazing</b> with necessary framework of AL-HK15 and ventilators bars of AL-F5, F7 and glazing bars AL-T1 of T3 including glazing with 6mm thick glass all PVC beading etc. including all labour and materials complete.	Sq.M	2400.00	2250.00	2200.00
	b) Same as above but using mild steel section and plain glass.	Sq.M	2150.00	2100.00	2000.00
Bd/B/27	Extra over Bd / B / 24 / a & b for using glazing consisting of 6mm thick wired glass.	Sq.M	650.00	625.00	600.00
Bd/B/28	Providing and fixing <b>Fiber Glass Doors</b> as manufactured by M/s. Fibro Glass or any other approved agencies consisting of fiber glass mat fixed on plywood 4 mm thick and jungle wood frame styles 30 mm thick including required fixtures and fittings in approved colour as per manufacturers recommendation in both single and double leaf door all labour and materials complete.	Sq.M	2700.00	2500.00	2300.00
Bd/B/29	Providing and fixing door made of <b>phenol bonded</b> pre-laminated 25 mm thick Nova Pan Flush Door exterior type conforming to IS:3087-1990 and 12823-1990 of approved colour including teakwood lipping 25 x 20 mm including polishing etc. complete, including required fixtures and fittings.	Sq.M	2000.00	1857.00	1780.00
Bd/B/30	Providing and fixing <b>plastic windows</b> of approved agencies in openable, sliding windows with security bars including fixing as per manufacturers instruction (without fixtures). All labour and material complete.	Sq.M	1550.00	1500.00	1330.00
Bd/B/31	Providing and fixing <b>M.S. 18 gauge pressed steel hollow frames</b> for doors including hold fasts, cutouts for fixtures etc. including filling with lean concrete / cement mortar and painting with one coat of red oxide zinc chromate, all labour and materials complete.				
	a) In size 75 x 125 mm.	R.M.	300.00	280.00	280.00
	b) In size 65 x 100 mm.	R.M.	230.00	210.00	200.00
	c) Add for powder coating (Differential rate)	R.M.	79.00	70.00	65.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/32	Providing and fixing <b>glass panes</b> , plain / frosted, 4mm thick for steel and wooden windows including providing putty of best quality and clamping material with 6 x 6 mm aluminium / timber beading fixed with coach screws with rubber padding etc. complete as directed.	Sq.M	600.00	551.00	525.00
Bd/B/33	Providing and fixing <b>Pelmet</b> made out of 100 mm wide 12 mm thick plywood veneer on one side with 150 mm long, 100 mm wide sides made out of same material with 25 mm diameter curtain rod including clamps fixing to wall, all labour and materials complete.	Sq.M	200.00	200.00	180.00
Bd/B/34	Providing and fixing in position <b>collapsible steel shutters</b> with vertical channels 20 x 10 x 2 mm & braced with flat iron diagonals 20 x 5 mm size top & bottom T section 40 x 40 x 6 mm size 30 mm steel pulleys complete with bolts-nuts, locking arrangements, stoppers, handles and painting of two coats of synthetic enamel over 1 coat of red oxide zinc chromate primer and 2 coats of synthetic enamel paint. All labour and materials complete.	Sq.M	2500.00	2300.00	2250.00
Bd/B/35	Add for providing <b>powder coating</b> to aluminium sections in required colour and shade minimum 5 micron thickness including 7 course chemical cleaning, powder coating with special powder coating guns, heating in furnace as per powder coating agency's procedure all labour and material complete.	Kg.	55.00	50.00	48.00
Bd/B/36	Providing and fixing wooden cupboard shutters made of Novapan laminated boards fixed in teakwood framing made out of 25 x 50 mm teakwood batters including hinges, ball catches, shutter handles made out of copper oxidised iron including teakwood lipping to the shutters, all labour and material complete.	Sq.M	1250.00	1200.00	1100.00
Bd/B/37	Providing and fixing in position <b>M.S. Gate</b> with MS Angle frame with 12 mm MS square bars of approved design and type including providing and fixing 40 x 12 mm M.S. flat as guide with necessary fixtures, rollers one coat of red oxide primer and two coats of oil painting etc. complete. (weight not less than 20 Kg/Sq.m.)	Sq.M	2800.00	2700.00	2400.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/38	Providing and fixing door made out of <b>Phenol bonded prelaminated</b> 12 mm thick <b>Nova Pan Flush Door</b> fixed in 35 mm x 100 mm teak wood frame conforming to IS:3087-1990 and of approved colour including top rail 35 mm x 100 mm, lock rail 35 mm x 150 mm and bottom rail, 35 mm x 200 mm including 3 coats French polishing and beading etc. complete.	Sq.M	2450.00	2150.00	1850.00
Bd/B/39	Providing & fixing <b>fiber glass</b> composite materials moulded <b>door shutter</b> as manufactured by M/s. Fibro Plast (Latur) or any other approved manufacturer consisting of composite material and ply wood 3.5 mm thick with 1.50 to 2.0 mm thick on all the sides of compsoite material in both single and double leaf patterns, including all material labour etc. complete.				
	<b>a) Plain shutter</b>				
	i) 30 mm thick	Sq.M	2700.00	2600.00	2500.00
	ii) 35 mm thick	Sq.M	2900.00	2800.00	2700.00
	<b>b) Panelled (Raised) shutter / Designed shutter</b>				
	i) 35 mm thick	Sq.M	3500.00	3400.00	3200.00
	ii) 40 mm thick	Sq.M	3700.00	3500.00	3300.00
Bd/B/40	Providing & fixing <b>fiber glass</b> composite material moulded <b>frame</b> for doors as manufactured by M/s.Fibro Plast (Latur) or any other approved manufacturer consisting of core of well seasoned wood with 1.5 to 2.0 mm thick layer of composite material and hold fast etc. in approved colour etc. complete.				
	a) In size 65 mm x 100 mm	R.M.	650.00	600.00	550.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/B/41	Providing and fixing in position <b>precast reinforcement cement concrete frame</b> for doors, windows, louvers windows of section 125/65 mm or 100/65 mm for compressed strength of 400 kg/cm <sup>2</sup> with wood like finish, fixing hinges with 4 nos. of threaded holes in each plate. Two no. of 12 mm dia. holes on horizontal top members for tower bolts, 2 nos. of 16 mm dia. Holes on vertical members for fixing aldrops or tadi, 3 nos. of mild steel galvanized heavy duty hinges, MS galvanized specially designed holdfast anchored for steel bars, of vertical members etc. complete (with all leads) excluding painting to the frame (As per IS : 8523-1983).	R.M.	400.00	340.00	320.00
Bd/B/42	Providing and fixing <b>butt MS windows</b> fully openable type as per IS:1038-1983, IS:7452-1990 made out of F7D (1.42 kg/cm) F-4B (2.28 kg/cm) T-6 (0.88 kg/m), K11B (coupling mullion 1.896 kg/m), Guard bar 12 mm square at 125 m c/c, glass of 4 mm thickness shall be fixed with approved quality putty. Rate should include providing and fixing box hinge MS sliding locking ball, including one coat of primer and two coats of enamel paint etc. complete. Extra seasoned wood of size 32 x 40 mm beading shall be fixed on both side of windows frame.	Sq.M	2100.00	2000.00	1900.00
Bd/B/43	Providing and fixing <b>grilled rolling shutters</b> made of 8mm dia MS bar conforming to IS : 6248 with hood, self locking type spring with guide channels and locking arrangements, all fixtures with one coat of steel primer and two coats of aluminum paint etc. complete.	Sq.M	2300.00	2100.00	1900.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -C- Roofing &amp; Ceiling Works</b>					
Bd/C/1	Providing and fixing tested <b>corrugated G.I. sheets</b> of 22 BWG conforming to IS:277-1992 including wind ties fastening with G.I. screws and bolts, lead washers etc.	Sq.M	700.00	660.00	600.00
Bd/C/2	Providing ridges or hips 60 cms overall in <b>plain G.I. sheets</b> , fixed with G.I. J or L hooks, bolts and nuts 8 mm diameter G.I. limpet and bitumen washers complete.	R.M.	90.00	80.00	70.00
Bd/C/3	Providing and fixing 40 x 6 mm <b>MS flat</b> as wind ties as required on roofing including painting as directed.	R.M.	110.00	100.00	90.00
Bd/C/4	Providing 6 mm thick <b>asbestos cement corrugated sheet</b> conforming to IS: 459-1992, for roofing and laying the same in position as per the stipulation in IS: 3007-1991 including galvanized iron L or J hook bolts, and galvanized iron and bituminous washers, galvanized iron clamps, nuts and bolts etc. complete.	Sq.M	375.00	340.00	300.00
Bd/C/5	Fixing <b>A.C. sheets corrugated</b> for roofing including all cost of fixtures such as J hooks nuts, bolts etc. complete. (labour rates with supply of accessories)	Sq.M	65.00	63.00	50.00
Bd/C/6	Providing and fixing in position 1.50 mm thick coloured <b>F.R.P. corrugated sheet</b> for roof with G.I. J hooks bolts of G.I. clamps nuts & bolts etc. complete.	Sq.M	800.00	750.00	690.00
Bd/C/7	Providing and fixing a pair of close fitting <b>corrugated adjustable ridges</b> conforming to IS:459-1992, including ridge, nails, galvanized iron hooks, both galvanized iron and bituminous washers, galvanized iron clamps, bolts nuts, washers etc. complete.	R.M.	308.00	287.00	260.00
Bd/C/8	Providing <b>A. C. Northlight</b> Curve corrugated conforming to IS:459-1991 & fixing the same in position with necessary G.I. J or L bolts G.I. and bitumen washer. All labour and materials complete.	R.M.	310.00	280.00	260.00
Bd/C/9	Providing and fixing <b>valley gutter</b> of plain galvanized iron sheets, 1200 mm wide including, coal tarring etc. complete.	R.M.	847.00	800.00	750.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/C/10	<p>Providing <b>A.C. gutters</b>, conforming to IS:1626 Part-1, 2 and 3, with necessary A.C. union clips A.C. drop ends, A.C. slope ends, A.C. nozzles, A.C. angles etc. and fixing the same as per code of practice &amp; specification of manufacturer including the cost of necessary G.I. nuts &amp; bolts, G.I. and bitumen washers, asbestos rope, bitumen, brackets made out of M.S .Flats, necessary nuts-bolts etc. complete.</p> <p><b>A] A.C. boundary wall or eaves gutters.</b></p> <p>a) Size 275 x 125 x 175 mm</p> <p>b) Size 300 x 150 x 225 mm</p> <p>c) Size 450 x 150 x 300 mm</p> <p>d) Size 600 x 150 x 225 mm</p> <p>e) Size 900 x 200 x 225 mm</p> <p><b>B] A. C. Valley Gutters</b></p> <p>a) Size 400 x 125 x 250 mm</p> <p>b) Size 450 x 125 x 150 mm</p> <p>c) Size 600 x 150 x 225 mm</p> <p>d) Size 900 x 200 x 225 mm</p>				
Bd/C/11	<p>Providing <b>A.C. rain water down take pipes</b>, conforming to IS:1626-1992 (part-1,2&amp; 3) with all specials such as <u>bends, corners, drop ends, plinth offsets, nozzles etc. and fixing in position with necessary M.S. flats of 25 x 6 mm size in 1.5m center-to-center and wherever necessary cement mortar 1:3 joints</u> as per manufacturers code of practice and specifications etc. complete</p> <p>a) Nominal diameter 76.20 mm Dia.</p> <p>b) Nominal diameter 101.60 mm Dia.</p> <p>c) Nominal diameter 152.40 mm Dia.</p>				
		R.M.	450.00	420.00	380.00
		R.M.	530.00	480.00	430.00
		R.M.	800.00	730.00	650.00
		R.M.	870.00	810.00	750.00
		R.M.	1100.00	1020.00	950.00
		R.M.	570.00	520.00	470.00
		R.M.	600.00	550.00	500.00
		R.M.	650.00	600.00	550.00
		R.M.	900.00	800.00	750.00
		R.M.	150.00	135.00	120.00
		R.M.	200.00	180.00	160.00
		R.M.	250.00	230.00	200.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/C/12	Providing & fixing <b>false ceiling</b> of plain 4 mm A.C. sheets conforming to IS:2096-1992 with necessary Salwood / approved Jungle wood frame of 50 x 125 mm and 50 x 75 mm country cut battens duly painted with 2 coats of wood primer paint (zinc oxide) including scaffolding if any all iron work, 50 x 12 mm country cut teak wood beading, white wash 2 coats to A.C. sheets etc. complete.	Sq.M	850.00	800.00	750.00
Bd/C/13	Providing <b>teak wood beading</b> using 50 x 12 mm country cut teak wood sections.	R.M.	60.00	55.00	50.00
Bd/C/14	Providing and fixing <b>plywood false ceiling</b> with necessary Sal / jungle wood frame of 50 x 75 mm in the frame of 1200 mm x 1200 mm duly painted with two coats of wood primer (Zinc oxide) including necessary scaffolding if any 50 x 12 mm country cut teak wood beading all necessary iron work, 2 coats of synthetic enamel paint etc. complete.				
	a) 6 mm thick	Sq.M	960.00	950.00	850.00
	b) 9 mm thick	Sq.M	1020.00	1000.00	900.00
Bd/C/15	Providing and fixing <b>plaster of paris false ceiling</b> using 10 to 12 mm thick cast-in-situ / precast / readymade plaster of paris ceiling boards, in plain or in approved pattern and fixing the same to sal / jungle wood framing consisting of 50 x 75 mm country cut battens in approved grid pattern, providing timber, MS flat, GI wire, MS rod, suspenders, providing 1 coat of wood preservative 20 mm brass screws at regular intervals, providing of plaster of paris surface to approved line and level, and the final paint including all labour & material etc. complete.				
	a) For false ceiling	Sq.M	860.00	850.00	800.00
	b) For decorative moulding.	R.M.	175.00	160.00	150.00
	c) 100 mm wide cornices	R.M.	178.00	165.00	160.00
Bd/C/16	Providing and fixing of <b>aluminium false ceiling</b> , (12 gauge) frame using 25 x 38 x 1.5 mm Ts as main members, and 25 x 25 x 1.5 mm Ts as cross members, with interlocking system complete, with level adjusting arrangement and suspended by means of 5mm, M.S. bars or aluminium 12 gauge wires.				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/C/17	a) Panels 1.2 M x 0.6 M size.	Sq.M	450.00	430.00	400.00
	b) Panels 0.6 M x 0.6 M size.	Sq.M	504.00	470.00	430.00
	Providing and fixing tested <b>asbestos cement plain sheet</b> conforming to IS:2096-1992 best quality and laying in position in suitable bays for false ceiling of required thickness, including fixing material two coats of synthetic enamel painting to the sheet etc. complete.				
	a) 4 mm thick.	Sq.M	279.00	260.00	250.00
	b) 6 mm thick.	Sq.M	359.00	310.00	290.00
Bd/C/18	Providing and fixing <b>Glass bricks</b> of size 200mm x 100mm x 100mm in roof slab of sump / ESR / Store, passage, foirs, atriums etc. complete.	No.	334.00	280.00	265.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -D- Wood Finishes Works</b>					
Bd/D/1	Providing and applying <b>double boiled linseed oil in one coat</b> to the new and old work including knotting, scrapping, preparing the surface and scaffolding etc. complete as directed.	Sq.M	18.00	17.00	16.00
Bd/D/2	Providing and applying <b>double boiled linseed oil in two coat</b> to the new and old wood work including knotting, scrapping, preparing the surface and scaffolding etc. complete as directed.	Sq.M	28.00	25.00	22.00
Bd/D/3	Providing & applying <b>wax polish</b> to the new or old work including knotting, preparing the surface by scrapping, scaffolding etc. complete as directed.	Sq.M	42.00	38.00	35.00
Bd/D/4	Providing and applying <b>French polishing</b> to the new or old wood work in two coats including knotting, preparing the surface by scrapping, scaffolding etc. complete.	Sq.M	155.00	146.00	120.00
Bd/D/5	Providing and applying <b>varnish</b> to the old woodwork including knotting, preparing the surface scrapping with sand paper, scaffolding etc. complete as directed.	Sq.M	32.00	30.00	30.00
Bd/D/6	Providing and applying water proof (melamine) polishing to the woodwork etc. complete.	Sq.M	440.00	430.00	400.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -E- Painting Works</b>					
Bd/E/1	Removing including rubbing down, washing cleaning with dry cloth etc. the existing white colour or lime wash or the distemper wash, including scaffolding and making the surface smooth by ordinary enamel putty, plaster of paris etc to receive white or colour washing etc. complete.	Sq.M	5.50	5.00	4.00
Bd/E/2	Providing and applying <b>white wash</b> on old and new plastered or masonry surfaces and asbestos cement sheets conforming to IS:6278-1991 including scaffolding and preparing the surface by brushing and brooming etc. complete.				
	a) For one coat.	Sq.M	3.30	3.10	3.00
	b) Two coats.	Sq.M	6.30	6.00	5.50
	c) Three coats.	Sq.M	9.00	8.00	8.00
Bd/E/3	Providing and applying <b>colour wash</b> of approved colour and shade conforming to IS:6278-1991 to new surface including scaffolding, brushing, brooming down and one coat of white washing as base coat etc. complete.				
	a) One coat.	Sq.M	6.00	5.50	5.00
	b) Two coats.	Sq.M	9.60	9.00	8.00
Bd/E/4	Providing and applying <b>dry (water bound) distemper</b> conforming to IS: 427-1993 of approved colour and shade to old and new surface including scaffolding, preparing the surface, and a priming coat of whitening to give an even shade.				
	a) Two coats.	Sq.M	28.00	22.00	20.00
	b) Three coats.	Sq.M	35.00	30.00	25.00
Bd/E/5	Providing and applying <b>washable oil bound distemper</b> conforming to IS:428-1993 of approved colour & shade to old and new surface including scaffolding preparing the surface to receive priming & finishing coats.				
	a) One coat over primer.	Sq.M	28.00	27.00	25.00
	b) Two coats over primer.	Sq.M	50.00	48.00	45.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/E/6	Providing and applying <b>plastic emulsion paint</b> conforming to IS:5411-1991 part I of superior quality of approved make, colour and shade to the old & new surfaces in two coats over primers, including scaffolding, preparing the surfaces to receive the paint and applying putty etc. complete.	Sq.M	95.00	90.00	80.00
Bd/E/7	Providing and applying <b>cement based paint</b> conforming to IS:5410-1990, two coats over primer or as per manufacturers direction including scrapping, removing including rubbing down old cement base paint scaffolding, curing etc. complete in any shade.	Sq.M	40.00	35.00	32.00
Bd/E/8	Add when the work for any of the above items is on ceiling.	Sq.M	2.00	2.00	2.00
Bd/E/9	Providing and applying <b>"TEXTURED MATT"</b> of approved colour and shade in 2 coats to old and new surface over and including one coat of cement based paint conforming to IS:5410-1969, including scaffolding, preparing the surface, curing etc. complete with all lifts.	Sq.M	85.00	83.00	80.00
Bd/E/10	<b>Removing and scrapping</b> oil paint from wood work, ironwork, including knotting, scrapping, rubbing down, including sand papering sealing the cracks with putty, filling with enamel putty, flattening, rubbing and making the surface smooth to receive the paint.	Sq.M	7.00	6.50	6.00
Bd/E/11	Providing and applying <b>Zinc / lead based paint</b> of approved colour and shade including preparing the surface, scaffolding etc. complete.				
	a) One coat.	Sq.M	23.00	18.00	17.00
	b) Two coats.	Sq.M	35.00	30.00	25.00
Bd/E/12	Providing & applying <b>black rubberized chlorinated paint</b> in two coats conforming to IS:2074 -1992 to the soffits of concrete slabs and to wall faces of water retaining structures including one primary coat, scaffolding, cleaning the surface to receive the paint etc. complete with all lifts.	Sq.M	80.00	75.00	70.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/E/13	Providing & applying <b>aluminium paint</b> conforming to IS:2339-1993 of approved make, applying the same to structural steelwork as per the stipulation of IS:1477-1991 (Part-I) including scaffolding, if necessary cleaning and preparing the surface including one coat of primer etc. complete. a) Two coats.	Sq.M	32.00	32.00	30.00
Bd/E/14	Providing and applying <b>synthetic super enamel paint</b> conforming to IS:2932 – 1991 of approved colour, including scaffolding if necessary and cleaning and preparing the surface, including primer coat etc. complete. a) One coat. b) Two coats.	Sq.M Sq.M	45.00 58.00	40.00 52.00	38.00 48.00
Bd/E/15	<b>Cleaning the pipe surface</b> using solutionizers, enumerated below by removing all scales loose particles and preparing the surface for receiving paint. a) Manually with brush power tools etc. b) By sand blasting. c) Using paint remover or such other chemicals d) Using caustic soda	Sq.M Sq.M Sq.M Sq.M	12.00 78.00 22.00 15.00	10.00 70.00 20.00 13.00	9.00 65.00 19.00 12.00
Bd/E/16	Providing and applying paints of approved make including all materials and labour complete and furnishing three years guarantee. a) Ready mixed red oxide chrome primer (one coat) b) Aluminium paint (one coat.) c) Aluminium paint (Two coats) d) Grey graphite (one coat) e) Grey graphite paint (Two coats) f) Coal Tar Epoxy two coats (with the prior permission of the Chief Engineer / Addl. CE) g) Two coats of Pure epoxy paint (with the prior permission of the Chief Engineer / Addl. CE)	Sq.M Sq.M Sq.M Sq.M Sq.M Sq.M Sq.M	16.00 26.00 40.00 30.00 45.00 60.00 150.00	15.00 24.00 35.00 25.00 40.00 53.00 145.00	15.00 21.00 32.00 22.00 35.00 52.00 140.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/E/17	<b>Labour charges</b> for painting with any of paints given in item no Bd / E / 14 and Bd / E / 16 of approved make (Paint supplied by MIDC free of cost)				
	a) One coat	Sq.M	7.50	6.25	5.25
	b) Two coats	Sq.M	9.25	7.50	7.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -F- Water Supply &amp; Sanitary Works</b>					
Bd/F/1	l) Providing and laying <b>galvanized iron pipes</b> conforming to IS:1239-1992 (Part I & II) and jointing etc. complete including cost of all specials for jointing of pipes sun and safeda to be used for making joint perfectly watertight including taxes and duties etc. complete (Excluding excavation)				
	<b>A] LIGHT CLASS (Yellow)</b>				
	a) 15 mm diameter	R.M.	130.00	130.00	120.00
	b) 20 mm diameter	R.M.	170.00	170.00	160.00
	c) 25 mm diameter	R.M.	250.00	240.00	230.00
	d) 32 mm diameter	R.M.	290.00	285.00	270.00
	e) 40 mm diameter	R.M.	330.00	320.00	310.00
	f) 50 mm diameter	R.M.	400.00	380.00	370.00
	g) 65 mm diameter	R.M.	450.00	440.00	420.00
	h) 80 mm diameter	R.M.	550.00	540.00	520.00
	i) 100 mm diameter	R.M.	750.00	730.00	710.00
	<b>B] MEDIUM CLASS ( Blue)</b>				
	a) 15 mm diameter	R.M.	155.00	150.00	145.00
	b) 20 mm diameter	R.M.	220.00	210.00	200.00
	c) 25 mm diameter	R.M.	260.00	250.00	230.00
	d) 32 mm diameter	R.M.	340.00	330.00	310.00
	e) 40 mm diameter	R.M.	375.00	358.00	340.00
	f) 50 mm diameter	R.M.	500.00	480.00	460.00
	g) 65 mm diameter	R.M.	600.00	580.00	570.00
	h) 80 mm diameter	R.M.	700.00	680.00	670.00
	i) 100 mm diameter	R.M.	950.00	930.00	910.00
	<b>C] HEAVY CLASS (Red)</b>				
	a) 15 mm diameter	R.M.	190.00	180.00	165.00
	b) 20 mm diameter	R.M.	220.00	210.00	200.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	c) 25 mm diameter	R.M.	270.00	260.00	250.00
	d) 32 mm diameter	R.M.	360.00	350.00	320.00
	e) 40 mm diameter	R.M.	450.00	430.00	410.00
	f) 50 mm diameter	R.M.	490.00	480.00	460.00
	g) 65 mm diameter	R.M.	650.00	630.00	620.00
	h) 80 mm diameter	R.M.	850.00	830.00	820.00
	i) 100 mm diameter	R.M.	1150.00	1125.00	1100.00
	<b>II) Same as in Bd/F/1 (I) for all classes including cutting, drilling holes in walls/slab etc. and remaking good the demolished portion neatly. (Internal and external work of building)</b>				
	<b>A] LIGHT CLASS (Yellow)</b>				
	a) 15mm diameter	RM	165.00	160.00	155.00
	b) 20mm diameter	RM	220.00	210.00	200.00
	c) 25mm diameter	RM	250.00	240.00	230.00
	d) 32mm diameter	RM	300.00	290.00	280.00
	e) 40mm diameter	RM	330.00	320.00	310.00
	f) 50mm diameter	RM	420.00	400.00	390.00
	g) 65mm diameter	RM	480.00	460.00	450.00
	h) 80mm diameter	RM	590.00	570.00	560.00
	i) 100mm diameter	RM	810.00	800.00	790.00
	<b>B] MEDIUM CLASS (Blue)</b>				
	a) 15mm diameter	RM	180.00	170.00	160.00
	b) 20mm diameter	RM	230.00	220.00	210.00
	c) 25mm diameter	RM	290.00	270.00	260.00
	d) 32mm diameter	RM	340.00	320.00	310.00
	e) 40mm diameter	RM	390.00	370.00	360.00
	f) 50mm diameter	RM	500.00	480.00	470.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	g) 65mm diameter	RM	590.00	570.00	560.00
	h) 80mm diameter	RM	800.00	780.00	760.00
	i) 100mm diameter	RM	1120.00	1100.00	1080.00
	<b>C] MEDIUM CLASS (Blue) for Concealed piping</b>				
	a) 15mm diameter	RM	190.00	180.00	170.00
	b) 20mm diameter	RM	230.00	220.00	210.00
	c) 25mm diameter	RM	310.00	290.00	280.00
	d) 32mm diameter	RM	390.00	370.00	360.00
	e) 40mm diameter	RM	460.00	440.00	425.00
Bd/F/2	Providing and fixing normal gauge <b>polyethylene pipe</b> of approved quality complete with special flange compression type fittings of approved make including trenching and refilling etc. complete (External Work).				
	a) 25 mm diameter	R.M.	75.00	70.00	65.00
	b) 32 mm diameter	R.M.	100.00	95.00	90.00
	c) 40 mm diameter	R.M.	120.00	110.00	100.00
	d) 50 mm diameter	R.M.	140.00	130.00	125.00
Bd/F/3	Providing and laying <b>UPVC pipes</b> of standard make in line and level including necessary labour, bends, tees, fixtures etc. and testing the pipes complete.				
	<b>A] U.P.V.C pipes as drainage lines</b>				
	i) 75 mm diameter	R.M.	190.00	180.00	170.00
	ii) 110 mm diameter	R.M.	280.00	270.00	260.00
	<b>B] U.P.V.C pipes as rain water down take pipes</b>				
	i) 75 mm diameter	R.M.	180.00	170.00	160.00
	ii) 110 mm diameter	R.M.	270.00	260.00	250.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/F/3a	Providing & fixing in position <b>heavy duty CP brass</b> plug cock / screw cock / stop cock conforming to IS:781-1984 including necessary socket/union nut etc. complete for fixing cocks, sun and safeda must be used to make joint perfectly watertight.				
	a) 15 mm diameter	No.	340.00	330.00	310.00
	b) 20 mm diameter	No.	410.00	390.00	370.00
	c) 25 mm diameter	No.	520.00	500.00	490.00
	d) 32 mm diameter (Wheel valve Brass)	No.	810.00	790.00	770.00
	e) 40 mm diameter (Wheel valve Brass)	No.	1150.00	1120.00	1100.00
	f) 50 mm diameter (Wheel valve Brass)	No.	1650.00	1620.00	1600.00
	g) Add extra for decorative type cock of Jaguare / Metro / King stone	No.	270.00	260.00	250.00
Bd/F/4	Providing and fixing <b>white glazed porcelain ware wash hand basin</b> , conforming to IS:2556 (Part IV) 1994 with nickel / chrome plated fittings inlet and outlet connection, nickel plated pillar cock, down take GI pipes with C. P. bottle trap (with concealed nut bolt) cutting out in for below CI brackets etc. complete				
	a) Flat back washbasin size 630 x 450 mm with single 15 mm CP brass pillar tap -1 No.	No.	2650.00	2600.00	2500.00
	b) Flat back washbasin size 550 x 400 mm with 15 mm CP brass pillar tap - 1 No.	No.	1825.00	1780.00	1700.00
	c) Size 450 x 325 mm washbasin with 15 mm C.P. brass pillar tap- 1 No.	No.	1200.00	1180.00	1150.00
	d) As above but for 520 x 420 mm size (Oval shape)	No.	1700.00	1650.00	1600.00
Bd/F/5	Providing and fixing colored porcelain <b>washbasin of standard type</b> of Best quality size 560 x 450 mm conforming to IS 2556 (part IV) 1994 with one pillar cock, one bottle trap and one stop cock and all types of fixtures including labour charges and transport etc. complete.	No.	Deleted	Deleted	Deleted

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/F/6	Providing and fixing <b>inset type porcelain soap dish</b> with all types of fixtures including labour charges including transport charges etc. complete.	No.	330.00	300.00	280.00
Bd/F/7	Providing and fixing <b>water heater</b> of best approved quality of capacity 4.5 ltrs with all builtin thermostat, safety valves and all types of fixtures including electrical parts including labour charges, transport etc complete.	No.	3000.00	2900.00	2800.00
Bd/F/8	Providing and fixing of <b>CP mixer unit</b> of best approved quality for hot and cold water with all types of fixtures including labour and transport charges etc. complete.	No.	3100.00	3050.00	3000.00
Bd/F/9	Providing and fixing of 25 mm dia CP half turn flush valve of best quality with all types of fixtures including transport and labour charges etc. complete.	No.	1550.00	1500.00	1450.00
Bd/F/10	Providing and fixing of CP 15 mm dia telephonic shower of approved make best quality with all types of fixtures including labour and transport charges etc complete.	No.	2150.00	2100.00	2050.00
Bd/F/11	Providing and laying Indian type white glazed porcelain ware lipped urinal pot conforming to IS : 2556-1992 (Part 6, section 1,2,3,4,5 & 6) with flat back urinal basin, perforated rim and spread in, including, providing and fixing all other fitting, PVC and or GI down take pipe with P trap, the outlet to be concealed and let out to channel or Nahanitrap etc.				
	a) Urinal flat back (small) 440 x 265 x 315 mm	No.	880.00	850.00	800.00
Bd/F/12	Providing and fixing European type commode conforming to IS:2556 -1994 (Part-II) latest edition with PVC. Double seat cover commode or equivalent including outlet, inter connections through walls including all fittings etc. complete.				
	a) in white colour.	No.	3200.00	3000.00	2700.00
	b) in approved colour.	No.	3500.00	3300.00	3100.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/F/13	Providing and fixing 'anglo indian' W.C. pan with "P" trap water closet seat, conforming to IS 2556-1992 with PVC double seat cover, commander or equivalent, including inlet, outlet connections through walls including all fittings etc. complete. conforming to IS: 2556-1994	No.	3600.00	3500.00	3300.00
Bd/F/14	Providing and fixing 'Orissa' type white glazed Porcelain ware water closet pan conforming to IS 2556-1994 of approved quality, including 'P' or 'S' trap outlet, inlet, connections through walls, trap etc. 580 mm x 400 mm	No.	1750.00	1700.00	1650.00
Bd/F/15	Providing and fixing Indian type white glazed porcelain ware W.C. pan of approved quality including 'P' trap or 'S' trap outlet and inlet connections through walls etc. complete.				
	a) 580 mm size.	No.	1200.00	1150.00	1100.00
	b) 630 mm size.	No.	1300.00	1250.00	1200.00
Bd/F/16	Providing and fixing approved make best quality 10 lit. capacity low level porcelain <b>cistern</b> with necessary connection etc. complete.	No.	2150.00	2100.00	2050.00
Bd/F/17	Providing and fixing heavy-duty brass 40 mm diameter <b>globe valve</b> on flushing line for water closets.	No.	600.00	550.00	500.00
Bd/F/18	Providing and fixing a <b>pair of footrests</b> with white glazed porcelain ware.	No.	Deleted	Deleted	Deleted
Bd/F/19	Providing and fixing <b>PVC flushing tank</b> for urinals conforming to IS: 2326-1987 including all necessary fittings CI supporting brackets, inlet connection including screw down cock and outlet connection of 32 mm diameter bore of 3.5 mm thick PVC outlet connection up to urinal, painting etc. complete.				
	a) 10 litre capacity.	No.	1500.00	1450.00	1400.00
Bd/F/20	Providing and fixing in position <b>C.I. soil pipe</b> conforming to IS: 1729-2002 including all requisite specials such as bends. Tees, Y junction etc. including making holes in masonry and/or concrete, remaking the same with all requisite fitting, clips, 3 coats of oil painting etc. complete				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/F/21	a) 75 mm diameter.	R.M.	760.00	740.00	720.00
	b) 100 mm diameter.	R.M.	1070.00	1045.00	1025.00
	c) 150 mm diameter.	R.M.	1700.00	1650.00	1600.00
Bd/F/21	Providing and fixing in position <b>A.C. soil pipes</b> conforming to IS:1626 latest edition, with all requisite specials and fittings, taking holes in masonry or concrete, remaking the same, also including necessary MS clips jointing as per code of practice of manufacturer etc. complete.				
Bd/F/22	a) 63.50 mm diameter.	R.M.	114.00	105.00	98.00
	b) 76.20 mm diameter.	R.M.	125.00	120.00	115.00
	c) 101.60 mm diameter.	R.M.	159.00	150.00	140.00
Bd/F/22	Providing and fixing in position, <b>A.C. ventilator</b> cowl etc. complete slotted type / cone type.				
Bd/F/23	a) 63.50 mm diameter.	No.	80.00	75.00	70.00
	b) 76.20 mm diameter.	No.	100.00	95.00	90.00
	c) 101.60 mm diameter.	No.	128.00	120.00	110.00
Bd/F/23	Providing and fixing in position <b>C.I. Nahanitrap</b> including C.I. grating, fixing in cement concrete M-15 etc. complete.				
Bd/F/24	a) 75 to 80 mm. Size	No.	210.00	200.00	190.00
	b) 100 mm. size	No.	320.00	300.00	290.00
Bd/F/24	<b>Constructing</b> 0.3 m x 0.3 m (internal size) <b>BB masonry</b> , 230 mm thick in 1:6 cement mortar chamber for gully trap; with stone ware gully trap 100 mm including 100 mm cement concrete bedding, 1:4:8 inlet connections etc. complete up to 1.5 m depth and 20 mm thick cement plaster, 1:3 cement mortar both for inside and outside faces etc. complete including cost of CI frame and cover etc. complete. (Including excavation)				
Bd/F/24	a) With CI covers.	No.	1350.00	1300.00	1250.00
	b) With M-20 grade RCC covers.	No.	1100.00	1050.00	1000.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/F/25	<b>Construction of BB masonry</b> (230 mm thick in CM 1:6) <u>sewer trap chamber or ordinary chamber</u> with 20 mm. thick cement plaster in 1:3 CM cement concrete bedding M-75 grade concrete and CI grating, including RCC precast frame and cover etc. complete for depth upto 1.50 m (including cost of grating and excavation)				
	a) 60 x 60 cm (internal size).	No.	2100.00	2050.00	2000.00
	b) 90 x 45 cm (internal size) sewer trap chamber.	No.	2310.00	2250.00	2200.00
Bd/F/26	Providing and fixing in position <b>salt-glazed earthen ware sewer trap</b> with necessary M-15 grade CC bedding, CI grating etc. complete.				
	a) 100 x 100 mm diameter.	No.	683.00	655.00	620.00
	b) 150 x 100 mm diameter.	No.	814.00	812.00	750.00
	c) 230 x 230 mm diameter.	No.	987.00	976.00	905.00
Bd/F/27	Providing and laying in position with 150 mm thick <b>hard murum bedding</b> RCC hume pipe septic tank excluding excavation but inclusive of placing in position, commissioning etc. complete with all pipes vents etc. with connections on both sides.				
	a) 600 mm diameter (for 10 persons) x 2.5 m length.	No.	7200.00	6858.00	6600.00
	b) 800 mm diameter r(for 15 persons) x 2.5 m length.	No.	8800.00	8600.00	8300.00
	c) 900 mm diameter (for 25 persons) x 2.5 m length.	No.	9600.00	9400.00	9200.00
	d) 1100 mm diameter (for 30 persons) x 2.5 m length.	No.	13000.00	12500.00	12000.00
	e) 1200 mm diameter (for 50 persons) x 2.5 m length.	No.	13100.00	12700.00	12500.00
Bd/F/28	Providing and installing in position <b>RCC hume pipe water storage tank</b> , including inlet, outlet connection, overflow and vent pipe arrangements, also including providing necessary PCC seats to the tank and three coats of cement based paint etc. complete.				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	a) 600 litres capacity.	No.	7000.00	6700.00	6400.00
	b) 1000 litres capacity.	No.	8000.00	7900.00	7700.00
	c) 1438 litres capacity.	No.	9000.00	8700.00	8500.00
	d) 2181 litres capacity.	No.	10500.00	10400.00	10200.00
	e) 2500 litres capacity.	No.	12400.00	12000.00	11600.00
	f) 4100 litres capacity.	No.	23500.00	22000.00	21300.00
	g) 5100 litres capacity.	No.	29000.00	28050.00	27900.00
Bd/F/29	Providing and installing in position <b>water storage tank</b> one piece moulded, conforming to IS: 3395-1997 made out of low density polyethylene and built-in corrugations, including inlet and outlet connections overflow and vent pipe arrangements etc. complete.				
	a) 200 lit to 1000 lit. Capacity.	Litre	8.50	7.50	7.00
	b) 1500 lit to 2000 lit. Capacity.	Litre	7.50	7.00	6.50
Bd/F/30	Providing and fixing <b>wall mounted Fire box</b> of size 0.6 x 0.6 x 0.2 m. conforming to IS: 3395-1997 made of steel plate of 18 gauge complete with glass front shutter in steel frame and lock with 2 keys with 15 mm. rubber lined, hose RRL pipe 65 mm dia. manufactured as per IS:636-1988 type 2 similar to fitted with male and female gun metal coupling of one length and one copper branch pipe of 65 mm. diameter size with nozzle hose painted inside white and outside red with fire mark as directed.	No.	11000.00	10700.00	10300.00
Bd/F/31	Providing and fixing 80 mm diameter <b>fire hydrant</b> conforming to IS: 908-1975 wall mounted type gun metal landing valve and brass coupling to receive fire hose including all specials necessary flanges, brass plugs etc. complete.	No.	4300.00	4136.00	3900.00
Bd/F/32	Providing <b>soak pit</b> of size 1.25 x 1.25 x 1.0 M. including excavation and filling the pit with brick bat all labour and materials etc. complete.	No.	725.00	714.00	680.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/F/33	Providing & fixing in position centrifugally cast (spun) C.I. soil / vent waste pipe conforming to IS: 3989-1984 including all requisite specials such as bends, tees, single junctions, double junction, slotted vent offsets on wall including making holes in masonry and / or concrete remaking the same with all requisite fittings, clips including laying & jointing etc complete.				
	a) 75 mm diameter.	R.M.	750.00	720.00	700.00
	b) 100 mm diameter.	R.M.	830.00	800.00	780.00
	c) 150 mm diameter.	R.M.	1500.00	1480.00	1430.00
Bd/F/34	Providing <b>soak pit</b> of required size including excavation and filling the pit with brick bats with all labour and materials including providing 100mm dia., 0.6m length SW pipes for overflow arrangement leveling the ground and disposal of surplus excavated earth etc. complete.	Cu.M.	810.00	760.00	740.00
Bd/F/35	Providing and fixing <b>stainless steel sink</b> of ISI or Salem mark with waste coupling downtake 40 mm GI B Class pipe of required length or up to nahani trap etc. complete.				
	a) 610mm x 510mm	No.	4300.00	4000.00	3800.00
	b) 510mm x 430mm	No.	3300.00	3100.00	3000.00
	c) 485 mm x 410mm	No.	3000.00	2800.00	2700.00
Bd/F/36	Providing and fixing in position brass / chromium plated <b>Hydraulic flush valve</b> for flushing the urinals / W.C.etc with all necessary jointing materials etc. complete. The Hydraulic flush valve shall be bear ISI mark.				
	a) 15 mm diameter	No.	2205.00	2125.00	2000.00
	b) 25mm diameter	No.	2573.00	2451.00	2330.00
	c) 32mm diameter	No.	2800.00	2700.00	2650.00
	d) 40 mm diameter	No.	4300.00	4200.00	4100.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/F/37	Providing and fixing chlorinated Poly Vinyl Chloride (CPVC) Pipes, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 mtr spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement & testing of joints complete as per direction of Engineer in Charge (Internal work exposed on wall)				
	a) 15mm nominal OD pipe	R.M.	95.00	95.00	90.00
	b) 20mm nominal OD pipe	R.M.	110.00	110.00	100.00
	c) 25mm nominal OD pipe	R.M.	140.00	140.00	130.00
	d) 32mm nominal OD pipe	R.M.	190.00	190.00	180.00
	e) 40mm nominal OD pipe	R.M.	270.00	270.00	250.00
	f) 50mm nominal OD pipe	R.M.	400.00	400.00	380.00
Bd/F/38	Providing and fixing chlorinated Poly Vinyl Chloride (CPVC) Pipes, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings, this included jointing of pipes & fittings with one step solvent cement trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. (External work).				
	a) 15mm nominal OD pipe	R.M.	90.00	90.00	80.00
	b) 20mm nominal OD pipe	R.M.	100.00	100.00	90.00
	c) 25mm nominal OD pipe	R.M.	135.00	135.00	125.00
	d) 32mm nominal OD pipe	R.M.	175.00	175.00	165.00
	e) 40mm nominal OD pipe	R.M.	240.00	240.00	230.00
	f) 50mm nominal OD pipe	R.M.	380.00	380.00	365.00
	g) 62.50mm nominal OD pipe	R.M.	1200.00	1200.00	1150.00
	h) 75mm nominal OD pipe	R.M.	1500.00	1500.00	1425.00
	i) 100mm nominal OD pipe	R.M.	2100.00	2100.00	2000.00
	j) 150mm nominal OD pipe	R.M.	3700.00	3700.00	3500.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -G- Fixtures for Doors &amp; Windows</b>					
Bd/G/1	Providing and fixing <b>hinges</b> manufactured as per best engineering practice or as per IS wherever they apply for door & windows with necessary materials and labour costs etc. complete.				
	<b>A] Iron Copper oxidized</b>				
	1) 75 mm size.	No.	20.00	19.00	17.00
	2) 100 mm size.	No.	27.00	24.00	22.00
	3) 150 mm size.	No.	50.00	47.00	45.00
	<b>B] Standard brass hinges</b>				
	1) 75 mm size.	No.	80.00	75.00	70.00
	2) 100 mm size.	No.	120.00	110.00	100.00
	3) 125 mm size.	No.	130.00	120.00	115.00
	4) 150 mm size.	No.	140.00	130.00	120.00
	<b>C] Standard anodized aluminium hinges</b>				
	1) 75 mm size.	No.	42.00	39.00	36.00
	2) 100 mm size.	No.	48.00	47.00	45.00
	3) 125 mm size.	No.	59.00	57.00	55.00
	<b>D] Standard Stainless Steel hinges</b>				
	1) 75 mm size.	No.	40.00	38.00	36.00
	2) 100 mm size.	No.	50.00	48.00	46.00
	3) 125 mm size.	No.	60.00	56.00	52.00
Bd/G/2	Providing and fixing <b>parliamentary hinges</b> as per best engineering practice conforming IS:362 latest edition, for doors and windows with necessary materials and labour cost etc. complete.				
	<b>A] Iron copper Oxidized</b>				
	1) 75 mm size.	No.	40.00	35.00	32.00
	2) 100 mm size.	No.	50.00	45.00	42.00
	3) 125 mm size.	No.	55.00	50.00	46.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	4) 150 mm size.	No.	60.00	58.00	55.00
	<b>B] Standard Brass parliamentary hinges</b>				
	1) 75 mm size.	No.	100.00	95.00	90.00
	2) 100 mm size.	No.	110.00	99.00	95.00
	3) 125 mm size.	No.	120.00	112.00	110.00
	4) 150 mm size.	No.	150.00	147.00	140.00
	<b>C] Standard Stainless Steel parliamentary hinges</b>				
	1) 75 mm size.	No.	100.00	95.00	90.00
	2) 100 mm size.	No.	115.00	100.00	95.00
	3) 125 mm size.	No.	130.00	120.00	115.00
	4) 150 mm size.	No.	140.00	135.00	120.00
Bd/G/3	Providing and fixing <b>aldrops</b> of 16 mm diameter bars manufactured as per best engineering practice wherever they apply for doors and windows with necessary materials and labour etc. complete.				
	<b>A] Iron Copper oxidized (IS:281-1991)</b>				
	1) 250 mm long.	No.	110.00	100.00	90.00
	2) 300 mm long.	No.	130.00	110.00	100.00
	<b>B] Standard Brass Aldrops (IS:2681-1993)</b>				
	1) 250 mm long.	No.	450.00	440.00	430.00
	2) 300 mm long.	No.	580.00	560.00	550.00
	<b>C] Standard Anodized Aluminium make (IS:2681-1993)</b>				
	1) 250 mm long.	No.	170.00	160.00	150.00
	2) 300 mm long.	No.	230.00	220.00	210.00
	<b>D] Standard Stainless Steel make Aldrop (IS:2681-1993)</b>				
	1) 250 mm long.	No.	380.00	370.00	360.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur	
Bd/G/4	2) 300 mm long.	No.	470.00	460.00	450.00	
	Providing and fixing <b>tower bolts</b> 12 mm diameter as per best engineering practice conforming to IS:204-1992 (Part I,II) for doors & windows with necessary materials and labour complete.					
	<b>A] Iron copper oxidized</b>					
	1) 100 mm long.	No.	23.00	22.00	21.00	
	2) 150 mm long.	No.	26.00	25.00	24.00	
	3) 200 mm long.	No.	37.00	35.00	33.00	
	4) 250 mm long.	No.	50.00	48.00	45.00	
	5) 300 mm long.	No.	60.00	55.00	52.00	
	<b>B] Standard Anodised Aluminium make</b>					
	1) 100 mm long.	No.	30.00	29.00	28.00	
	2) 150 mm long.	No.	70.00	67.00	65.00	
	3) 200 mm long.	No.	75.00	70.00	68.00	
	4) 250 mm long.	No.	100.00	95.00	92.00	
	5) 300 mm long.	No.	120.00	115.00	110.00	
	<b>C] Standard stainless steel make</b>					
	1) 100 mm long.	No.	35.00	32.00	30.00	
	2) 150 mm long.	No.	50.00	47.00	45.00	
	3) 200 mm long.	No.	70.00	67.00	65.00	
	4) 250 mm long.	No.	85.00	82.00	80.00	
	5) 300 mm long.	No.	91.00	88.00	85.00	
	<b>D) Standard Brass Tower bolt</b>					
	1) 100 mm long.	No.	100.00	92.00	90.00	
	2) 150 mm long.	No.	110.00	107.00	100.00	
	3) 200 mm long.	No.	147.00	146.00	140.00	

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/G/5	Providing and fixing <b>handles</b> manufactured as per IS:208-1992 for doors and with all materials like screws etc. and all labour complete.				
	<b>A] Iron copper Oxidized</b>				
	1) 75 mm long.	No.	15.00	15.00	14.00
	2) 100 mm long.	No.	28.00	27.00	25.00
	3) 125 mm long.	No.	33.00	32.00	32.00
	4) 150 mm long.	No.	40.00	40.00	35.00
	<b>B] Standard Brass Handles</b>				
	1) 100 mm long.	No.	130.00	125.00	120.00
	2) 125 mm long.	No.	140.00	138.00	130.00
	3) 150 mm long.	No.	180.00	175.00	170.00
	<b>C] Standard Anodized aluminium make</b>				
	1) 100 mm long.	No.	27.00	26.00	25.00
	2) 150 mm long.	No.	32.00	30.00	29.00
	3) 200 mm long.	No.	40.00	38.00	35.00
	4) 250 mm long.	No.	47.00	45.00	41.00
	5) 300 mm long.	No.	55.00	52.00	48.00
	<b>D] Standard Stainless Steel</b>				
	1) 100 mm long.	No.	24.00	23.00	22.00
	2) 150 mm long.	No.	34.00	32.00	30.00
	3) 200 mm long.	No.	36.00	34.00	33.00
	4) 250 mm long.	No.	40.00	38.00	38.00
	5) 300 mm long.	No.	46.00	42.00	40.00
Bd/G/6	Providing and fixing <b>spring closer</b> manufactured as per best engineering practice as per IS:452-1990 for doors and windows with all labour and materials complete				
	a) 75 mm size.	No.	115.00	107.00	100.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/G/7	b) 100 mm size.	No.	140.00	130.00	120.00
	Providing and fixing <b>hydraulic door closer</b> manufactured as per best engineering practice as per IS:3564 for doors and windows with necessary materials and labour cost etc. complete.				
	a) Light ( for shutter weight up to 35 kg)	No.	760.00	730.00	700.00
	b) Medium ( for shutter weighting from 36 – 60 kg)	No.	950.00	920.00	900.00
Bd/G/8	c) Heavy ( for shutter weighting from 60 – 80 kg)	No.	1150.00	1100.00	1050.00
	Providing and fixing <b>night latch</b> manufactured as per best engineering practice as per IS:3847-1992 for doors with necessary materials and labour etc. complete. (Godrej make or equivalent)	No.	850.00	841.00	830.00
	Providing and fixing <b>mortise lock</b> manufactured as per best engineering practice as per IS:2209 and 6607 for doors with necessary materials and labour etc. complete. (Godrej make or equivalent)	No.	725.00	700.00	690.00
Bd/G/10	Providing and fixing <b>peep hole</b> manufactured as per best engineering practice or as per IS wherever applicable for doors with necessary materials and labour complete.				
	a) PVC.	No.	60.00	55.00	50.00
	b) Stainless Steel.	No.	70.00	65.00	60.00
	c) Brass	No.	100.00	95.00	90.00
Bd/G/11	Providing & fixing <b>door safety chain</b> manufactured as per best engineering practice or as per IS wherever applicable for doors with necessary materials and labour complete.				
	a) Small size.	No.	70.00	65.00	60.00
	b) Big size.	No.	115.00	105.00	100.00
Bd/G/12	Providing & fixing <b>sliding bolt</b> (latch fabricated out of flats) manufactured as per best engineering practice or as per IS:281-1991 for doors with necessary materials and labour cost complete.				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd/G/13	a) M.S. 250 mm long.	No.	95.00	90.00	85.00
	b) Aluminium 250 mm long.	No.	115.00	110.00	105.00
	c) Stainless Steel 250 mm long.	No.	130.00	125.00	120.00
Bd/G/13	Providing and fixing <b>door stopper</b> manufactured as per best engineering practice or as per IS:1823-1992 for doors with necessary materials and labour cost complete.				
Bd/G/14	1) Aluminium.	No.	70.00	60.00	55.00
	2) Stainless steel.	No.	80.00	70.00	60.00
	3) Brass (First Quality)	No.	130.00	125.00	120.00
Bd/G/14	Providing and fixing <b>Stainless steel towel rod</b> with 20 mm diameter pipe in bathrooms and wherever necessary manufactured as per best engineering practice or as per I.S. wherever applicable with necessary materials and labour cost etc. complete				
Bd/G/15	a) 450 mm	No.	180.00	170.00	155.00
	b) 600 mm	No.	210.00	190.00	180.00
	c) 750 mm	No.	230.00	220.00	200.00
	d) 900 mm	No.	235.00	225.00	210.00
	e) 1050 mm	No.	240.00	230.00	220.00
	f) 1200 mm	No.	250.00	240.00	230.00
Bd/G/15	Providing and fixing <b>hooks and eyes</b> manufactured as per best engineering practice and conforming to IS:207-1990. All labour and materials etc. complete.				
	<b>A] Brass</b>				
Bd/G/15	1) 100 mm long.	No.	30.00	29.00	25.00
	2) 150 mm long.	No.	44.00	42.00	39.00
	3) 200 mm long.	No.	85.00	80.00	75.00
	4) 225 mm long.	No.	95.00	90.00	80.00
	5) 250 mm long.	No.	100.00	95.00	85.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	<b>B] Iron oxidized</b>				
	1) 100 mm long.	No.	16.00	15.00	14.00
	2) 150 mm long.	No.	21.00	19.00	17.00
	3) 200 mm long.	No.	25.00	23.00	21.00
	4) 225 mm long.	No.	35.00	32.00	30.00
	5) 250 mm long.	No.	40.00	35.00	32.00
	<b>C] Stainless Steel</b>				
	1) 100 mm long.	No.	33.00	32.00	28.00
	2) 150 mm long.	No.	41.00	38.00	36.00
	3) 200 mm long.	No.	47.00	45.00	39.00
	4) 225 mm long.	No.	50.00	47.00	41.00
	5) 250 mm long.	No.	55.00	52.00	45.00
Bd/G/16	Providing and fixing to doors / windows 125 mm x 50 mm (25 to 30 mm thick) <b>Cudappa frame</b> in CM 1:3 including all labour & materials etc. complete.	R.M.	290.00	270.00	260.00
Bd/G/17	Providing and fixing anodized <b>aluminum towel rod</b> with 20 mm diameter pipe in bathrooms and wherever necessary manufactured as per best engineering practice or as per I.S. wherever applicable with necessary materials and labour cost etc. complete.				
	a) 600 mm	No.	190.00	185.00	170.00
	b) 1050 mm	No.	220.00	215.00	200.00
	c) 1200 mm	No.	290.00	275.00	250.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -H- Antitermite Works</b>					
Bd/H/1	Providing <b>pre-construction antitermite treatment</b> to building at different stages of construction by applying chemical emulsion Aldrin 0.5% E.C. or chlordane 1% E.C. doses as specified in IS:6313 (Part -II) 2001 list for different stages, including pre-constructional soil treatment in foundation and plinth including drilling the holes of requisite size with inserting GI pipes and plugs as well along the exterior periphery of building below apron so as to form chemical barrier including giving treatment to wooden members including all labour, material, tools & plants etc. complete with 5 years guarantee.	Sq.M.	120.00	115.00	110.00
Bd/H/2	Providing <b>antitermite treatment to the wooden frames</b> of doors / windows of the existing building as per IS:6313(Part-III) 2001 by drilling 6 mm dia. holes at four corners on one side and four corners on other side at a downward angle of about 45 degree at the junction of wood work and masonry and injecting 150 ml. of chlordane 5% W.C. and sealing by filling putty etc. -complete covering 2 years guarantee.	Per Frame	45.00	40.00	35.00
Bd/H/3	Providing <b>antitermite treatment to the sides of flooring</b> of the existing building as per IS:6313(Part-III) 2001 by punching holes 6 mm diameter drilled at a distance of 30 cm. centre to centre and injecting one percent of chlordane emulsion concentrate at the rate of 50 ml per hole and sealing by filling putty etc. complete covering 2 years guarantee.	Per Hole	22.00	20.00	18.00
Bd/H/4	Providing <b>antitermite treatment around the periphery of the existing building</b> as per IS:6313(Part-III) 2001 by excavating trenches of 20 mm diameter width and exposing the sides of columns and plinths beams upto a depth of 300 mm and injecting one percent of chlordane emulsion concentrate at the rate of 2.25 liter per R.m. and refilling the trenches etc. complete covering 2 years guarantee.	R.M.	42.00	40.00	35.00
Bd/H/5	Providing <b>General Pest Control Service to big size</b> (volume more than 1 Cu.M.) inside of inspection chamber to control the nuisance, of cockroaches, for the period of one year with monthly check up etc complete.	No.	160.00	150.00	130.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Bd/H/6	Providing <b>General Pest Control Services to small size</b> (volume less than 1 Cu.M.) inside inspection chamber to control the nuisance of cockroaches for the period of one year with monthly check up etc complete. ( <b>Note:</b> Bd / H / 1 to Bd / H / 6 shall be operated only after obtaining approval of Chief Engineer / Addl. Chief Engineer.)	No.	70.00	66.00	60.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -I- Miscellaneous Works</b>					
Bd//1	Providing and fixing <b>7 rows G.I.</b> barbed wire fencing (14 SWG) having 2 ply and 4 points at 75 mm. c/c with angle iron 45 x 45 x 6 mm 2.4 m high, 1.95 m above ground level and 0.45 m embedded in concrete at 2.5 m c/c with stays at 15 m c/c and cross wires in each bay, both fixed in M-10 grade cement concrete base having dimension 0.3 x 0.3 x 0.5 m and painting posts with one coat of anti- corrosive paint, and two coats of approved enamel paint.	R.M.	450.00	440.00	430.00
Bd//2	Providing and fixing <b>7 rows G.I.</b> barbed wire fencing (2 ply, 4 points 75 mm c/c, 14 SWG type) over jungle wood ballies of 100 – 125 mm diameter height 2.4 m, 1.95 m above ground level and 0.45 m embedded in concrete at 2.5 m c/c fixed in cement concrete M-10 bedding with 20 mm diameter anchor rods, coal tarring with necessary stays, on both side cross wires in each bay and corner posts at 15 m c/c at suitable distance including 2 coats of oil painting etc. complete.	R.M.	220.00	205.00	195.00
Bd//3	Providing and fixing <b>G.I. barbed wire fencing (5 rows)</b> on 40 x 40 x 6 mm angle iron posts, 1.45 m above GL and 0.50 m embedded in cement concrete M-10 grade, having a strut at every 15 m c/c and at corner, including 3 coats of anti-corrosive paint etc. complete. Other specification same as Bd / 1 / 1	R.M.	340.00	320.00	310.00
Bd//4	Providing and fixing <b>G.I. barbed wire fencing 7 rows</b> of 14 SWG having two ply four planks at 75 mm c/c fixed on RCC poles made of 1:1.5:3 grade concrete as per drawing and design 1.83 m. above GL and 0.5 m below GL embedded in CC M-10 grade concrete 0.45 x 0.45 x 0.5 m size at 3m c/c having stays at every 30 m. and cross wire in each bays with necessary excavation. The size of concrete pole shall be 0.10 m x 0.10 m. at top and 0.125 m x 0.125 m. at bottom having 2.30 m height. The concrete stays shall be of the same size and having length 2.43 m erected 45 degree angle fixed at the topmost wire.	R.M.	415.00	405.00	375.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd//5	Providing and fixing <b>5 rows G.I. fencing</b> having 2 ply point at 75 mm c/c (14 SWG) over sal / jungle wood ballies 100 to 80 mm diameter, 1.8 m high, 1.5 m above GL firmly embedded in ground and fixing the same in metal and murum to hold in position including 2 coats of black tar and including necessary stays at corners etc. complete.	R.M.	110.00	96.00	90.00
Bd//6	Providing and fixing <b>chain link fencing</b> 1.5 m height on MS angle posts of 50 x 50 x 6 mm size at 2.5 m c/c 1.5 m above ground / coping and 0.30 m embedded in ground / coping in c.c.1:3:6 grade of 0.30 m. and at every corner chain link of 50 mm mesh and 10 gauge GI strand wire, including 2 nos. of 12 gauge GI wire at top and bottom with necessary U hooks, nuts and bolts, washers, 3 coats of anti- corrosive oil paint to steelwork etc. complete as per drawings, designs and specifications.	R.M.	500.00	480.00	460.00
Bd//7	<b>Drilling holes</b> in masonry or concrete structures or in other locations as may be required and grouting the same under pressure using pumps. All equipment and labour complete. Payment shall be based on the quantity of cement used in the work. (The measurement will be per MT of cement consumed)	M.T.	7600.00	7300.00	7000.00
Bd//8	<b>Polishing of chairs &amp; tables</b> including providing and applying french polish after preparation of surface rubbing down, scraping old polish, filling the gaps / cracks with putty and making the surface ready to receive polish for the following items of furniture.				
	a) Small size Table.	No.	126.00	120.00	110.00
	b) Big size Table.	No.	171.00	160.00	150.00
	c) Executive size Table.	No.	287.00	270.00	250.00
	d) Polishing wooden chairs.	No.	85.00	80.00	75.00
Bd//9	Providing <b>caning of chair</b> using approved plastic material. All labour and material complete				
	a) For one seat only.	No.	140.00	135.00	120.00
	b) For one seat and back.	No.	230.00	215.00	200.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd//10	Providing <b>cement sand gunniting</b> in 1:3 to surfaces like floors, walls, roof slabs, pipes surface etc. under pressure 2.1 kg/cm <sup>2</sup> to 2.8 kg/cm <sup>2</sup> including providing M.S. wire or M.S. reinforcement size 50 x 50 x 3 mm) as indicated in the drawings or instructions, removing loose materials from surface, cleaning the surface by compressed air to receive cement sand gunniting including scaffolding, curing etc. disposing off the rebound materials all labour, equipment and materials complete. including mobilisation of equipment as may be required.				
	a) 25 mm thick	Sq.M.	456.00	413.00	390.00
	b) 40 mm thick	Sq.M.	583.00	522.00	500.00
	c) 50 mm thick	Sq.M.	643.00	550.00	530.00
Bd//11	Providing and installing <b>glazing</b> as may be required using 12 mm thick float glass conforming to IS 14900-2000 including all accessories as per instruction of Engineer-in- Charge. All labour and materials complete.	Sq.M.	1600.00	1580.00	1550.00
Bd//12	Providing <b>coping</b> of 1:3:6 concrete over parapet walls, boundary walls, compound walls etc. in thickness of 10 cm. to 15 cm. including shuttering as may be required and embedding glass pieces at close intervals of not more than 3 cm. both faces with sharp edge pointing upwards after finishing the concrete surface with 1:3 cement mortar. All labour and materials complete.	Cu.M	4000.00	3850.00	3700.00
Bd//13	Providing and fixing standard size <b>MIDC name board</b> or layout board, 3.66 m x 2.44 m made from MS angle frame 40 x 40 x 6 mm and 25 x 25 x 5 mm and MS flats 25 mm x 3 mm as per drawings, 16 gauge GI sheets including MS stand posts 5.5 m high made out of 75 x 75 x 6mm MS angle diagonal braces of 75 x 75 x 6 mm angles and horizontal braces of 40 x 40 x 6 mm angles including excavation of pits of size 0.61 m x 1.3 m x 0.7 m and 1:4:8 cement concrete of size 0.61 x 1.3 x 0.92 m welding, bolting, erecting in position, transporting and painting to complete structure with synthetic enamel paint two coats over anti-corrosive primer in 3 coats as per approved colour scheme with painting of lettering of required size and design etc. as per drawings.				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	a) For providing two side boards.	No.	50500.00	50300.00	49800.00
	b) For providing one side board.	No.	37700.00	37500.00	37000.00
Bd//14	Providing and erecting in position <b>FRP</b> name board / caution board of required size including required MS frame coated with epoxy paint and painting the letter / graphics with fluorescent paint including all labour material for erecting the same in required size of frames structure with CC M-10 grade etc. complete.	Sq.M.	Deleted	Deleted	Deleted
Bd//15	Providing & supplying <b>cement bonded particle board</b> (Bison panels of NCL make or equivalent) suitable for internal and external use with density of 1250 kg/m <sup>3</sup> $\pm$ 10% (average) weather resistance, fire resistance, termite resistance, fungus resistance, suitable for cleaning the surface by wet cloth. (plain boards or pre laminated board).				
	<b>A] Plain</b>		Deleted	Deleted	Deleted
	<b>B] One side Laminated</b>		Deleted	Deleted	Deleted
	<b>C] Both side Laminated</b>		Deleted	Deleted	Deleted
Bd//16	Providing and fixing <b>7 rows barbed wire fencing</b> (14 SWG) having 2 ply and 4 points @ 75 mm c/c <b>on RCC poles</b> made of M-20 grade concrete as per drawing and design 1.50m. above GL and 0.5m below GL embedded in C.C.M-10 grade concrete 0.45x0.45 x 0.5m size at 3m center-to-center having stays at every 30m. and cross wire in each bays with necessary excavation. The size of concrete pole shall be 0.10m x 0.10m. at top and 0.125m x 0.125m. at bottom having 1.90m height. The concrete stays shall be of the same size and having length 2.00m erected 45 degree angle fixed at the topmost wire including all materials and labours etc. complete.	RM	525.00	500.00	490.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Bd//17	Providing and fixing <b>5 rows barbed wire fencing (14 SWG) having two ply four points at 75 mm c/c on RCC poles</b> made of M-20 grade concrete as per drawing and design 1.20 m. above GL and 0.5m below GL embedded in C.C. M-10 grade concrete 0.45x0.45 x 0.5m size at 3m center-to-center having stays at every 30m. and cross wire in each bay with necessary excavation. The size of concrete pole shall be 0.10m x 0.10m. at top and 0.125m x 0.125m. at bottom having 1.70 m height. The concrete stays shall be of the same size and having length 1.80 m erected 45 degree angle fixed at the topmost wire including all materials and labours etc. complete	RM	350.00	335.00	320.00
Bd//18	Providing and fixing <b>5 rows barbed wire fencing</b> having 2 ply point at 75mm c/c (14 SWG) <b>over sal/jungle wood ballies</b> 100 to 80mm, 1.5m high, 1.20m above GL and 0.30m embedded in ground at 5m.c/c having stays on jungle wood bullies at every 5th pole firmly embedded in ground and fixing the same in metal and murum to hold in position including 2 coats of black tar and including necessary stays at corners etc. complete.	RM	120.00	110.00	100.00
Bd//19	Providing & fixing 1:35 M height (Above G.L.) <b>bamboo mat tree guard</b> made out of 1.20 m mat in circular shape having diameter 0.75 M fixed tightly on three posts of bamboo round or half round by nails and wires and embedded in ground upto a depth of 0.45 m firmly. The bottom of bamboo mat shall be 0.15 m above G.L. The bamboo post erected in ground shall be applied with tar for 0.60 M height from bottom including necessary excavation, fixing firmly in ground with rubble & metal as per drawing etc. complete.	No	126.00	120.00	110.00
Bd//20	Providing and fixing 7 rows <b>G.I. barbed wire fencing (14 SWG) having two ply four points at 75 mm c/c on 40 x 40 x 6 mm angle iron posts</b> , 1.50 m above GL and 0.50 m embedded in cement concrete M-10 grade, having a stays at every 15 m c/c and M.S. angle of 45 x 45 x 6 mm at corner and cross wire in each bay, both fixed in M-10 grade cement concrete base having dimension 0.3 x 0.3 x 0.5 m and painting posts with one coat of ant-corrosive paint and two coats of approved enamel paint etc. complete.	RM	425.00	400.00	390.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Bd//21	Providing and fixing <b>5 rows G.I. barbed wire fencing (14 SWG)</b> having two ply four points at 75 mm c/c on 40 x 40 x 6 mm <b>angle iron posts</b> , <u>1.2 m above GL</u> and 0.50 m embedded in cement concrete M-10 grade, having a stays at every 15 m c/c and M.S. angle of 45 x 45 x 6 mm at corner and cross wire in each bay, both fixed in M-10 grade cement concrete base having dimension 0.3 x 0.3 x 0.5 m and painting posts with one coat of ant-corrosive paint and two coats of approved enamel paint etc. complete.	RM	330.00	305.00	290.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Building -J- Structural Glazing</b>					
Bd/J/1	Designing, fabricating, supplying, erection and fixing Aluminium structural glazing with 20 microm integral colour & shade, fixing 6mm Azur/green Glass of shopt coating to Aluminium frame work. The frame work to comply all specified design requirements including wind pressure, thermal and seismic forces as per the relevent IS codes etc. with all necessary structural supports, hardware including all other accesories in the glazing with all extrusion fittings, stainless steel, bolts, screws, all weather elements such as flashing, coping and sealing the joints with approved Dow corning sealents etc. to make the system completely water proof. It also includes smokes seals openabel sashed units etc. all as shown on drawing and specified.	Sq. mt.	11300.00	11000.00	10700.00
Bd/J/2	Aluminum frame work as per item No.1, but 4mm thick Aluminium Composite Panels intead of 6mm Glass. ACP shall be from ACP shall be fixed with A specially drawn aluminium profile to take care of Thermal movement. Detail As per GWS/ACP/35 or equivalent. All joints shall be sealed with wheather silicon DOW 789 and backer rods.	Sq. mt.	6600.00	6400.00	6200.00
Bd/J/3	Designing, fabricating, supplying, erection and fixing of Electrically operated Cleaning system to clean complete façade of the project, Conractor to furnish 10 years warranty for all cleaning equipment.	Lump Sum	Deleted	Deleted	Deleted

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-A-Formation Works</b>					
Rd/A/1	Conveying material obtained from road cutting including all lifts, and beyond initial lead, laying in layers of 20cms to 30cms, in case of power roller and 45cms to 60cms in case of vibratory compactor, breaking clods, dressing to the required lines, curves, grade and section for formation of roads, including leveling, disposing off surplus material in desired manner as directed by Engineer-in-charge etc. complete including taxes , Royalty if any beyond 100 m initial lead. (Disposal or reuse location as shown on drawing)				
	a) Lead up to 5 km.	Cu.M.	90.00	80.00	70.00
	b) Lead beyond 5 km.	Cu.M.	104.00	90.00	80.00
Rd/A/2	Earthwork in embankment with approved material having field soak CBR not less than 8, and laboratory soak CBR not less than 12 obtained from MIDC borrow areas (as shown on drawings) including all leads and lifts, breaking clods laying in layers of 20 to 30cm in case of power roller and 45cms to 60cms in case of vibratory compactor and dressing to the required lines, curves, grades & sections including taxes & including royalty (Rate is for compacted volume) (Lead below is only for the purpose of estimate however once lead is considered for computing rates, the lead shall be specified as per "All leads" in tenders				
	a) Lead up to 5 km.	Cu.M.	200.00	180.00	170.00
	b) Lead beyond 5 km. up to 10 km.	Cu.M.	210.00	200.00	190.00
	c) For lead beyond 10 km and up to 20 km.	Cu.M.	240.00	220.00	210.00
	<b>Note-</b> Add Rs.2.00/- per m <sup>3</sup> for every km beyond 20 km				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/A/3	Earthwork in embankment with approved material having field soak CBR not less than 8 and laboratory soak CBR not less than 12 obtained by the Contractor from his borrow areas including all lifts and leads including laying in layers of 20cm to 30cm for power roller and 45cm to 60cm for vibratory compactor, breaking clods, and dressing to the required lines, curves and section including payment of royalty charges to the Govt. of Maharashtra. (Lead shall be certified by Dy. Engr.) (Lead shown below only for the purpose of estimate)				
	a) For lead up to 5 km.	Cu.M.	270.00	250.00	240.00
	b) For lead between 5 km to 10 km.	Cu.M.	280.00	260.00	255.00
	c) For lead beyond 10 km and up to 20 km.	Cu.M.	300.00	280.00	270.00
	<b>Note-</b> Add Rs.2.00/- per m <sup>3</sup> for every km beyond 20 km				
Rd/A/4	<b>Watering</b> to optimum moisture content and <b>rolling</b> to maximum dry density by roller to the final <b>formation of road in cutting</b> in soil and murum.				
	a) With 8-10 tonne roller	Sq.M.	6.50	6.25	6.00
	b) With vibratory roller	Sq.M.	7.00	7.00	6.50
Rd/A/5	<b>Watering</b> to OMC (16 kg to 24 kg of water per Cu.M.) The earth work in <b>embankment</b> in 20 cm to 30 cm layers. (95% proctor density)	Cu.M.	6.50	5.50	5.00
Rd/A/6	<b>Consolidation</b> with proper ramming / rolling in layers the <b>earth work in embankment</b> . (95% proctor density)				
	a) With 8-10 tonne roller in 20 to 30 cm layers	Cu.M.	7.00	6.50	6.00
	b) With vibratory roller in 45 to 60 cm layers	Cu.M.	10.50	9.50	9.00
Rd/A/7	<b>Watering and compacting</b> the embankment to 97% of modified proctor dry density after laying in layer of 20 to 30 cm. (tested embankment),.				
	a) With 8-10 tonne roller in 20 to 30 cm layers	Cu.M.	12.00	11.00	10.00
	b) With vibratory roller in 20 to 30 cm layers	Cu.M.	16.00	14.00	13.00



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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Rd/A/8	Watering and compacting the embankment after laying in layer of 45cms to 60cms using 30 tonne capacity vibratory compactor.	Cu.M.	12.00	11.00	10.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-B-Subgrade Works</b>					
Rd/B/1	<b>Supplying and stacking</b> at work site 225 mm size <b>trap stone rubble</b> for soling up to 10 km lead including all taxes and royalty.				
	a) Quarry rubble	Cu.M.	460.00	440.00	420.00
Rd/B/2	<b>Breaking and stacking</b> at work site 225 mm size <b>trap stone rubble</b> or soling using boulder from excavated area.				
	a) Boulder rubble	Cu.M.	85.00	81.00	75.00
Rd/B/3	Supplying <b>50 mm to 75 mm</b> trap stone <b>oversize metal</b> at the road side including, conveying and stacking etc. complete including all taxes and royalty and lead up to 10 km.				
	a) Quarry metal.	Cu.M.	730.00	700.00	700.00
	b) Boulder metal.	Cu.M.	650.00	600.00	600.00
	c) Laterite metal.	Cu.M.	450.00	420.00	380.00
Rd/B/4	Breaking rubble boulder available from earthwork in cutting / excavation to oversize metal of 50 to 75 mm, including all labour and material etc complete (Rubble / boulder shall be supplied by MIDC Free of cost)				
	a) Quarry / Boulder metal.	Cu.M.	95.00	85.00	80.00
	b) Laterite metal (where available)	Cu.M.	72.00	65.00	62.00
Rd/B/5	<b>Conveying and breaking</b> into metal in size from selected rubble / bolder <b>available from cutting and / or rubble supplied by MIDC</b> from other sources within the lead of 10 km. and stacking the same at the road side stacks etc. complete.				
	a) 50 to 75 mm.	Cu.M.	170.00	154.00	140.00
	b) 40 to 50 mm.	Cu.M.	190.00	170.00	150.00
Rd/B/6	<b>Laying in compact layer</b> rubble duly <b>hand packed for soling</b> in 225 mm layer to required camber and gradient including filling in the interstices with stone chips, spalls and oversize metal (quantity excluding oversized metal).	Cu.M.	90.00	80.00	70.00
Rd/B/7	<b>Spreading</b> in compact layers oversize and size metal to the required camber and gradient.	Cu.M.	50.00	45.00	40.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/B/8	<b>Spreading hard murum, or blindage</b> collected in roadside stack over the top of soling or oversize metal or size metal including evening it into top of crevices ( <u>Road side stacks of murum will be measured including voids without deducting allowance for compaction, separately and paid for under relevant item of embankment of road whichever is applicable.</u> )	Cu.M.	26.00	26.00	25.00
Rd/B/9	<b>Watering over sub-grade</b> consisting of soling and / or oversize metal.	Sq.M.	4.50	4.00	3.50
Rd/B/10	<b>Consolidation over sub-grade</b> consisting of soling and / or oversize metal and hard murum by 8-10 tonne roller until proper interlocking etc. complete.				
	a) With 8-10 tonne roller	Sq.M.	7.00	6.00	6.00
	b) With 30 tonne vibratory roller	Sq.M.	9.00	8.00	7.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-C-Surfacing</b>					
Rd/C/1	upplying <b>40 mm trap stone metal</b> at the roadside including conveying and stacking complete including all taxes and royalty. Lead up to 10 km complete.				
	a) Quarry metal.	Cu.M.	750.00	700.00	700.00
	b) Boulder metal.	Cu.M.	650.00	600.00	600.00
Rd/C/2	Breaking and stacking <b>40 mm trap stone metal</b> out of rubble / boulder available from cutting / excavation including all labour and materials etc. complete. ( Rubble / boulders shall be supplied by MIDC free of cost)	Cu.M.	125.00	120.00	110.00
Rd/C/3	Spreading <b>blindage</b> collected in road side stack, <b>over metal</b> including brooming to fill in interstices (Road side stacks of soft murum including voids without deducting for allowance for compaction will be measured separately and paid under relevant item of embankment of road whichever is applicable).	Cu.M.	30.00	25.00	25.00
Rd/C/4	Watering <b>over size metal</b> and <b>blindage</b> during consolidation <b>by 8-10 tonne roller</b> over <b>final surface</b> of size metal and blindage until proper interlocking etc. complete.				
	a) With 8-10 tonne roller	Sq.M.	8.50	7.50	7.00
	b) With 30 MT vibratory roller/compactor	Sq.M.	12.00	11.00	10.00
Rd/C/5	<b>Add extra over for transportation</b> of rubble / oversize and size metal beyond 10 km.				
	a) Lead from 10 km. to 20 km.	Km/Cu.M	9.00	8.50	8.00
	b) Lead from 20 km. to 30 km.	Km/Cu.M	7.50	7.00	6.50
	c) Lead from 30 km and above.	Km/Cu.M	6.50	6.00	6.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Rd/C/6	Providing, Laying, spreading and compacting stone aggregates of specified size to water bound Macadam specification including spreading in uniform thickness, hand packing, rolling with wheeled roller / vibratory roller 8-10 tonnes in stages to proper grade and chamber applying brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates. Watering and compacting with vibratory roller to achieve desired density including all material Labour machinery etc complete.				
	Grade I- (Metal 90 mm to 45 mm) (compacted thickness 100 mm)	Km/Cu.M	Deleted	Deleted	Deleted
	Grade II- (Metal 63 mm to 45 mm) (compacted thickness 75 mm)	Km/Cu.M	Deleted	Deleted	Deleted
	Grade III- (Metal 53 mm to 22.4 mm) (compacted thickness 75 mm)	Km/Cu.M	Deleted	Deleted	Deleted
Rd/C/7	Spreading grit or stone dust blindage collected in road side stack, over metal including brooming to fill in inter sticks (Road side stacks of soft grit and stone dust including voids without deducting for allowance for compaction will be measured separately and paid under relevant item whichever is applicable). (Note : Where blindage is used as grit/ stone dust 60% stone dust and 40% grit shall be used)	Cu M	28.00	26.00	25.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-D-Railing Works</b>					
Rd/D/1	Providing and erecting <b>railing of galvanized iron pipes of 40 mm</b> diameter horizontals in <b>2 rows and 40 mm f G.I. pipes</b> (medium class) (Blue) vertical having a height of 1 m at 2 m. intervals, screwed joints and one coat of anti corrosive and two coats of decorative multi-colour paint etc. complete. (G.I. pipe - 'B' class) vertical members to be welded with 5 mm thick base plate duly grouted or welded to base slab reinforcement.	R.M.	800.00	750.00	730.00
Rd/D/2	Providing and erecting <b>railing of galvanized iron pipes with 25 mm horizontal in 2 rows</b> and 40 mm diameter G.I. verticals having a height of 1.0 m at 2.0 m c/c screwed joints and one coat of anticorrosive paint and two coats of decorative multi-colour paints etc. complete. (G.I. pipe 'B' class) vertical members to be welded with 5 mm thick as base plate duly grouted or welded to base slab reinforcement.	R.M.	650.00	640.00	630.00
Rd/D/3	Providing and erecting railing of <b>G.I. pipes of 25 mm dia</b> horizontals in <b>3 rows</b> with cast in situ M-150 grade cement concrete vertical posts having a height of 1.0 m at 2.0 m c/c. of size 100 x 100 mm at bottom and 75 x 75 mm at top with using trap stone metal also with nominal reinforcement including necessary scaffolding, centring, form work, compaction, finishing, curing etc. complete (including cost of reinforcement provided) including oil painting to GI pipe and cement base paint to RCC post.	R.M.	750.00	720.00	720.00
Rd/D/4	Providing and fixing at site <b>precast RCC railing in 2 rows</b> of horizontal members each having section of 75 x 125 mm spaced at 600 mm c/c and verticals of 100 x 125 mm size at 2 m. c/c having a height of 1.2 m and all RCC member having a reinforcements of 1.5% of concrete section including plastering, <u>finishing and cement based paint in two coats etc. complete. (concrete to be used M-25 grade and including cost of MS reinforcement provided).</u>	R.M.	450.00	435.00	410.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Rd/D/5	Providing and erecting railing of Galvanized Iron pipes of 40mm diameter horizontals in 2 rows and 40mm G.I. pipes vertical having a height of 0.9m at 2 m. intervals, screwed joints and one coat of anti corrosive and two coats of decorative multi-colour paint etc. complete .(G.I. pipe - 'A' class) including cost of base plate and nut bolts.	R.M.	650.00	600.00	600.00
Rd/D/6	Providing and erecting railing of G.I. A Class pipes of 40mm dia horizontals in 2 rows and 40mm diameter GI pipes verticals having a height of 0.9m at 2.0m c/c. fixed in cement concrete block of size 150mm x 150mm x 150mm and grade M-15 including necessary scaffolding, compaction, finishing, curing etc. complete including cost of base plate screws and one coat of anti-corrosive and two coats of synthetic super enamel paint, etc.complete.	R.M.	750.00	700.00	700.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-E-GSB, Wet Mix</b>					
Rd/E/1	Providing & laying <b>Granular Sub-Base (GSB)</b> consisting of coarse and fine aggregate mixture as per the grading laying in layers of <b>100 mm compacted thickness</b> including breaking / crushing of hard rock by mechanical means into required gradation as specified including conveyance of graded metal with all leads and lifts dressing to required lines, curves level, grades and section, watering and compaction to 98% of modified proctor maximum dry density (IS:2720 part VIII) with 8 to 10 tonne <b>vibratory roller</b> with all leads etc. complete as per MOST specifications 401 etc including payment of all taxes, duties, octroi charges etc. complete.				
	<b>A) Closely Graded sub base – plant mix method</b>				
	a) Grade I (metal 53 mm & down size)	Cu.M.	1200.00	1150.00	1100.00
	b) Grade II (metal 26.5 mm & down size)	Cu.M.	1250.00	1155.00	1080.00
	c) Grade III (metal 9.5 mm & down size)	Cu.M.	1300.00	1210.00	1130.00
	<b>B) Closely Graded sub base – mix in place method</b>				
	a) Grade I (metal 53 mm & down size)	Cu.M.	1150.00	1040.00	1000.00
	b) Grade II (metal 26.5 mm & down size)	Cu.M.	1170.00	1100.00	1050.00
	c) Grade III (metal 9.5 mm & down size)	Cu.M.	1200.00	1150.00	1100.00
	<b>C) Coarse Graded sub base – mix in place method</b>				
	a) Grade I (metal 53 mm & down size)	Cu.M.	1100.00	1050.00	1050.00
	b) Grade II (metal 26.5 mm & down size)	Cu.M.	1150.00	1100.00	1100.00
	c) Grade III (metal 9.5 mm & down size)	Cu.M.	1200.00	1150.00	1150.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/E/2	Providing and laying <b>Wet Mix Macadam (WMM) base consisting</b> of aggregates mixture as per the grading specified, using material obtained from grading, laying in layers of <b>75 mm compacted thickness</b> including breaking / crushing of hard rock by mechanical means into required gradation as specified including conveyance of graded material with all leads and lifts, including mixing in a mechanically operated mixing plant and laying with sensor paver in required lines, curves, levels, grades and sections, watering and compacting to 98% of modified proctor maximum dry density (IS:2720, part-VIII) with vibratory roller of 8-10 tonne static weight complete including all leads and lifts as per MOST' – 406 specifications. (To be executed with express permission of the Chief Engineer.)	Cu.M.	1450.00	1400.00	1350.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-F-Asphalting</b>					
Rd/F/1	Supplying and stacking at works site as directed <b>30 / 40, 60 / 70 and 80 / 100 penetration grade asphalt in bulk</b> conforming to IS:73-1992. (Rate is taken at Refinery, Mumbai).				
	a) 30 / 40	M.T.	33540.00	33540.00	33540.00
	b) 60 / 70	M.T.	32460.00	32460.00	32460.00
	c) 80 / 100	M.T.	31320.00	31320.00	31320.00
Rd/F/2	Supplying and stacking at work site as directed <b>30 / 40, 60 / 70 and 80 / 100 penetration grade asphalt</b> conforming to IS:73-1992 in sealed barrels or drums and the barrels or drums empty, partially or wholly empty or fully shall be MIDC's property. (Rate is taken at Refinery, Mumbai).				
	a) 30 / 40	M.T.	37950.00	37950.00	37950.00
	b) 60 / 70	M.T.	36870.00	36870.00	36870.00
	c) 80 / 100	M.T.	35730.00	35730.00	35730.00
Rd/F/3	<b>Add extra</b> over item Rd / F / 1 & F / 2 above for <b>transporting</b> asphalt from refinery to site of work.				
	a) Lead up to 100 Km	MT/Km	10.00	9.50	9.00
	b) Lead from 100 km to 200 km	MT/Km	9.00	8.50	8.00
	c) Lead from 200 km and above	MT/Km	8.00	7.00	7.00
Rd/F/4	<b>Heating asphalt</b> to its boiling point and evenly spreading it over road surface for grout treatment / tack coats / seal coats.  A) Penetration grade bitumen conforming to IS: 73-1992				
	a) Bulk Asphalt.	M.T.	180.00	160.00	160.00
	b) Asphalt in Drums. ( Note: Heating point 165 <sup>0</sup> C, flash point 180 <sup>0</sup> C )	M.T.	290.00	270.00	270.00
Rd/F/5	Providing and spraying <b>bituminous tack coat</b> complete with all leads and lifts for materials as per technical specifications, surface cleaned with mechanical broom & asphalt / emulsion spread with bitumen pressure distributor.				

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Item No	Item	Unit	Mumbai	Pune	Nagpur	
Rd/F/6	A) By using Penetration grade bitumen conforming to IS 73-1992 (grade 80 / 100)					
	a) 6.5 kg / 10 Sq.M. over WBM surface.	Sq.M.	24.00	22.00	22.00	
	b) 5 kg / 10 Sq.M. over bituminous surface.	Sq.M.	19.00	17.00	17.00	
	B) By using Bituminous emulsions conforming to IS 8887					
	a) 6.00 kg / 10 Sq.m over W.B.M. surface	Sq.M.	22.00	21.00	20.00	
	b) 2.50 kg / 10 Sq.m over bituminous surface	Sq.M.	10.00	9.50	9.00	
	<b><u>Providing trap / stone / granite stone metal at the work site as directed in stacks of minimum size of 3 x 2 x 1 m or as directed in stacks of higher sizes than the minimum stipulated above including all loading / unloading operation and conveyance to the site of work lead up to 10 km. including all taxes and royalty charges.</u></b>					
	a) Standard size 40 mm (Hand Broken)	Cu.M.	750.00	735.00	720.00	
	b) Standard size 40 mm (Crushed aggregate)	Cu.M.	750.00	700.00	700.00	
	c) Standard size 30 mm (Crushed aggregate)	Cu.M.	750.00	700.00	700.00	
	d) Standard size 25 mm (Crushed aggregate)	Cu.M.	780.00	720.00	720.00	
	e) Standard size 20 mm (Crushed aggregate)	Cu.M.	780.00	720.00	720.00	
	f) Standard size 12 mm (Crushed aggregate)	Cu.M.	760.00	700.00	700.00	
	g) Standard size 10 mm (Crushed aggregate)	Cu.M.	760.00	700.00	700.00	
	h) Standard size 6 mm (Crushed aggregate)	Cu.M.	750.00	690.00	690.00	
	i) Stone dust.	Cu.M.	450.00	430.00	430.00	
	j) Standard size 50 to 75 mm (Crushed aggregate)	Cu M.	700.00	670.00	670.00	
	<b><u>Add extra over item Rd / F / 6 for lead over 10 km.</u></b>					
	a) for leads above 10 km and upto and including 20 km	Cu.M.	10.00	9.00	8.00	
	b) for leads above 20 km and upto and including 30 km	Cu.M.	8.50	7.50	7.00	
c) for leads above 30 km.	Cu.M.	7.50	7.00	6.00		

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/F/7	<b>Picking the old WBM surface</b> up to a depth of 75 mm and re-sectioning, barreling and bringing the surface to proper camber, alignment, gradient, including providing V groove at the periphery of road surface.	Sq.M.	15.00	14.00	13.00
Rd/F/8	<b>Picking the old asphalt surface</b> up to a depth of 75 mm and resectioning, barreling and bringing the surface to proper camber, alignment and gradient providing V groove at the periphery of road surface.	Sq.M.	20.00	17.00	16.00
Rd/F/9	<b>Cleaning the old WBM surface</b> with small pick wire bristle brushes and with <u>gunny bags</u> to receive new asphalt treatment.				
	a) Cleaning without water	Sq.M.	5.00	4.50	4.00
	b) Cleaning with water (if grit is used as a blindage)	Sq.M.	6.00	5.50	5.00
Rd/F/10	<b>Cleaning the old / fresh asphalt surface</b> with wire brushes, bristles brushes and gunny bags to receive asphalt treatment.	Sq.M.	5.00	4.50	4.00
Rd/F/11	<b>Spreading metal</b> on road surface from <b>40 mm to 10 mm standard size</b> and spreading evenly to required camber and gradient with lead up to 100 m from stacks.	Cu.M.	40.00	38.00	35.00
Rd/F/12	<b>Spreading grit and / or 6 mm standard size metal</b> or stone dust for seal coats including light rolling over the same for final finish.	Cu.M.	45.00	42.00	40.00
Rd/F/13	<b>Rolling</b> with 8 / 10 tonne vibratory roller over <b>40 to 25 mm standard size metal</b> to finish the surface to required camber and gradient until proper interlocking.				
	a) 8-10 tonne power roller	Sq.M.	10.00	9.50	9.00
	b) 30 tonne vibratory compactors	Sq.M.	11.00	10.00	9.50
Rd/F/14	<b>Rolling with</b> 8 / 10 tonne vibratory roller <b>after grouting</b> the surface and spreading the standard size metal in 20 mm to 10 mm size.	Sq.M.	6.00	5.00	5.00
Rd/F/15	<b>Cutting the original asphalt surface</b> to required shapes and sizes and filling the pot holes with standard metal 40 to 10 mm size and grit / stone dust rolling the finished surface till final interlocking of metal.	Cu.M.	800.00	750.00	750.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/F/16	Providing and laying <b>Lean Mix BM (LBM) using 60 / 70 grade asphalt for filling pot-holes</b> and improvement of existing road surface wherever required including material, heating asphalt, premixing it with stone metal in hot mix paver transporting and laying, rolling and finishing etc. complete using metal grading as per Table No 500-4 of specification of road & bridges published by IRC etc. complete. (using asphalt @ 3.5% by weight of mix excluding tack coat)	Cu.M.	3300.00	3250.00	3230.00
Rd/F/17	Providing and laying <b>premixed bituminous macadam using 60 / 70 grade asphalt</b> including all materials, heating bitumen, premixing it with stone metal, in a hot mix plant, transporting, laying the mix with hydrostatic paver with sensor control and compacting with smooth wheeled tandem vibratory roller, including initial cleaning of surface, tack coat using 80 / 100 grade asphalt or bituminous emulsion etc. complete (Lead up to 100 km from Refineries for bulk asphalt & nearest rail head for asphalt in drums). (Asphalt to be used at 4.35% by weight of total mix)				
	<b>A) By using penetration grade bitumen conforming to IS 73-1992 for tack coat</b>				
	a) 50 mm compacted thick with heating aggregate	Sq.M.	260.00	240.00	238.00
	b) 75 mm compacted thick with heating aggregate	Sq.M.	380.00	360.00	357.00
	c) 75 mm compacted thick without heating aggregate	Sq.M.	350.00	330.00	315.00
	<b>B) By using bituminous emulsion conforming to IS 8887 for tack coat</b>				
	a) 50 mm compacted thick with heating aggregate	Sq.M.	250.00	240.00	240.00
	b) 75 mm compacted thick with heating aggregate	Sq.M.	370.00	360.00	350.00
	c) 75 mm compacted thick without heating aggregate	Sq.M.	350.00	330.00	320.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/F/18	Providing and laying <i>hot mix, hot laid premixed bituminous concrete using 60 / 70 grade asphalt/ CRMB/PMB</i> including all materials, heating aggregate, asphalt etc. and mixing in hot mix plant, transporting laying with hydrostatic paver, finished with sensor control compacting and rolling with smooth wheeled tandem vibratory roller. Asphalt to be used at 6.25% by weight of total mix (machine laid only)(Inclusive of tack coat)				
	<b>A) Using 60/70 grade Asphalt</b>				
	a) 25 mm thick (for wearing course)	Sq.M.	180.00	175.00	165.00
	b) 40 mm thick (for wearing course)	Sq.M.	280.00	270.00	250.00
	b) 20 mm thick (for wearing course)	Sq.M.	150.00	140.00	130.00
	<b>B) Using CRMB-50 Conforming to IRC: SP: 53-1999</b>				
	a) 25 mm thick (for wearing course)	Sq.M.	185.00	180.00	163.00
	b) 40 mm thick (for wearing course)	Sq.M.	295.00	290.00	260.00
	<b>C) Using CRMB-55 Conforming to IRC: SP: 53-1999</b>				
	a) 25 mm thick (for wearing course)	Sq.M.	185.00	180.00	167.00
	b) 40 mm thick (for wearing course)	Sq.M.	300.00	290.00	265.00
	<b>D) Using PMB-70 Conforming to IRC: SP: 53-1999</b>				
	a) 25 mm thick (for wearing course)	Sq.M.	195.00	185.00	175.00
	b) 40 mm thick (for wearing course)	Sq.M.	315.00	300.00	280.00
Rd/F/19	Providing and laying <i>premixed bituminous carpet using 60 / 70 grade asphalt/CRMB/PMB</i> including supplying all materials, preparing and cleaning the base, heating bitumen and chips and metal in a hot mixed plant, laying the carpet layer and compacting etc. complete (for a standard lead up to 100 km. & for bitumen / asphalt from the Refineries at Mumbai).				
	<b>A] Hand laid carpet using bulk asphalt.</b>				
	a) 20 mm thick bituminous carpet.	Sq.M.	100.00	90.00	73.00
	b) 25 mm thick bituminous carpet.	Sq.M.	120.00	100.00	86.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	<b>B) Hand laid carpet using asphalt in drums</b>				
	a) 20 mm thick bituminous carpet.	Sq.M.	100.00	90.00	73.00
	b) 25 mm thick bituminous carpet	Sq.M.	125.00	110.00	86.00
	<b>C) Hand laid carpet using bulk CRMB-50 Conforming to IRC :SP : 53-1999.</b>				
	a) 20 mm thick bituminous carpet.	Sq.M.	90.00	85.00	73.00
	b) 25 mm thick bituminous carpet.	Sq.M.	115.00	100.00	86.00
	<b>D) Hand laid carpet using bulk CRMB-55 Conforming to IRC :SP : 53-1999.</b>				
	a) 20 mm thick bituminous carpet.	Sq.M.	95.00	90.00	73.00
	b) 25 mm thick bituminous carpet.	Sq.M.	120.00	115.00	93.00
	<b>E) Hand laid carpet using bulk PMB-70 Conforming to IRC :SP : 53-1999.</b>				
	a) 20 mm thick bituminous carpet.	Sq.M.	100.00	90.00	82.00
	b) 25 mm thick bituminous carpet.	Sq.M.	130.00	115.00	97.00
Rd/F/20	Extra for Rd/F/19A & B and its sub items for machine laid carpet using bulk / drum asphalt; add to the rates for all leads.	Sq.M.	30.00	28.00	25.00
Rd/F/21	Providing and laying <b>hot mixed hot laid Semi Dense Bituminous Concrete (SDBC) 25 mm thick using 60/70 grade asphalt / CRMB / PMB</b> with 5.50% of asphalt by total weight of mix including supplying of all materials, heating and mixing bitumen and chips, laying semi dense bituminous concrete by hydrostatic paver with sensor control including tack coat by using 80 / 100 grade asphalt at 5 kg/10m <sup>2</sup> or emulsion grade bitumen, conforming IS: 8887 dose 2.50 kg / 10 m <sup>2</sup> finishing, compaction with smooth wheeled tandem vibratory roller with all labour and materials etc. complete.				
	<b>A) By using penetration grade bitumen conforming to IS: 73-1992 for tack coat</b>				
	B) By using emulsion grade bituminous conforming to IS: 8887 for tack coat.				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	a) Using 60/70 grade Asphalt.	Sq.M.	160.00	155.00	140.00
	b) Using CRMB-50 conforming to IRC: SP : 53-1999.	Sq.M.	160.00	150.00	140.00
	c) Using CRMB-55 conforming to IRC: SP : 53-1999.	Sq.M.	165.00	160.00	145.00
	d) Using PMB-70 conforming to IRC: SP : 53-1999.	Sq.M.	170.00	160.00	150.00
	<b>B) By using emulsion grade bituminous conforming to IS: 8887 for tack coat</b>				
	a) Using 60/70 grade Asphalt.	Sq.M.	160.00	155.00	137.00
Rd/F/22(A)	Providing and laying 20 mm. <b>thick premix seal surfacing</b> with all leads as directed, preparing and cleaning the base, heating aggregates at 0.27m <sup>3</sup> per 10m <sup>2</sup> of aggregates of specified size, mixing with heated <b>asphalt 60 / 70 grade / CRMB / PMB</b> 22 kg. per 10m <sup>2</sup> in a hot mix plant and spreading over the surface to be treated after applying tack coat using 80 / 100 grade asphalt dose 5 kg/10m <sup>2</sup> or bituminous emulsion grade conforming to IS: 8887 dose 2.50 kg / 10 m <sup>2</sup> laying the mix seal surfacing with hydrostatic paver with sensor control & compaction to the desire level etc. complete.				
	<b>A) By using penetration grade asphalt for tack coat.</b>				
	a) Using 60/70 grade Asphalt.	Sq.M.	135.00	130.00	115.00
	b) Using CRMB-50 conforming to IRC: SP : 53-1999.	Sq.M.	135.00	125.00	115.00
	c) Using CRMB-55 conforming to IRC: SP : 53-1999.	Sq.M.	140.00	130.00	120.00
	d) Using PMB-70 conforming to IRC: SP : 53-1999.	Sq.M.	145.00	135.00	123.00
	<b>B) By using emulsion grade asphalt for tack Coat</b>				
	a) Using 60/70 grade Asphalt.	Sq.M.	120.00	110.00	107.00
Rd/F/22(B)	Same as RD / 22 / A above using <b>'B' type seal surfacing</b> using <b>asphalt 60 / 70 grade /CRMB/PMB</b> 19 kg / 10m <sup>2</sup>				



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Item No	Item	Unit	Mumbai	Pune	Nagpur
	<b>A) By using penetration grade asphalt for tack coat.</b>				
	a) Using 60/70 grade Asphalt.	Sq.M.	120.00	110.00	107.00
	b) Using CRMB-50 conforming to IRC: SP : 53-1999.	Sq.M.	125.00	115.00	110.00
	c) Using CRMB-55 conforming to IRC: SP : 53-1999.	Sq.M.	125.00	120.00	115.00
	d) Using PMB-70 conforming to IRC: SP : 53-1999	Sq.M.	130.00	125.00	120.00
	<b>B) By using emulsion grade asphalt for tack Coat</b>				
	a) Using 60/70 grade Asphalt.	Sq.M.	130.00	120.00	110.00
Rd/F/23	Extra over the rate of all items for carrying out consolidation using 8-10 tonne vibratory roller instead of ordinary roller.				
	a) For Asphalt work.	Sq.M.	12.00	11.00	10.00
Rd/F/24	Providing & supplying <b>cationic bitumen emulsion</b> 60% bitumen content, for filling the pot holes, patch work on road surface. Filling the pot holes by HINCOL conforming to IS:8887-1995. it is a surface treatment for structurally sound roads where the wearing course has deteriorated.				
	a) Rapid setting	M.T.	Deleted	Deleted	Deleted
	b) Medium setting	M.T.	Deleted	Deleted	Deleted
	c) Slow setting	M.T.	Deleted	Deleted	Deleted
Rd/F/25	Providing and Laying Liquid seal coat using 80 / 100 grade asphalt over Premixed carpet including supplying all material, Preparing the existing Road surface, Heating and supplying bitumen at 9.80 kg / 10m <sup>2</sup> and spreading chips 0.02 m <sup>3</sup> per sq.m. and Rolling with Power roller etc complete with all lifts as per specification.	Sq.M.	55.00	52.00	52.00
Rd/F/26	Extra Over Item No. Rd/F/18 & Rd/F/22 (B) for carrying out consolidation using pneumatic tyred roller.	Sq.M.	Deleted	Deleted	Deleted

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/F/27	<b>Milling the black topped surface</b> by milling machine to approved depth, including removing the material, transportation of material obtained from milling, disposing the material to approved dumping yard including loading and unloading all leads and lifts etc complete	Sqm	90.00	80.00	80.00
RD/F/28	Providing and laying hot mix hot laid <b>Dense Bituminous Mcadam</b> as per job mix formula having 50 mm compacted thickness with minimum bitumen content of 4.5% of the weight of the total mix of 30/40 grade on prepared surface with specified graded crushed aggregates for base/binding course including loading of aggregates with front end loader, heating of binder, aggregates and filler in hot mix plant, transportation the mix material by tippers and laying the mixed material with sensor pavers finisher to the required level and grade, rolling by vibratory roller to achieve the desired density including all material, labour, machinery with all leads and lifts, lighting, guarding barricading and maintenance of diversion if necessary etc. complete. (including cost of bitumen emulsion tack coat of 25kg / 100 Sq. m.)	Sqm	300.00	270.00	250.00
RD/F/29	Providing & laying single layer of <b>25 mm compacted thickness Bitumen Mastic asphalt by paver</b> as wearing course with paving grade bitumen meeting the requirements given in Table 500.29. The mastic shall be prepared in a batch mixer plant and laid to required level and slope after cleaning the surface. The mastic shall be provided with anti skid surface with bitumen precoated aggregates by a chip spreader machine on the bridge deck as per MOST Specifications No. 515.1 including all material, bitumen, mixing, heating the material, laying the heated mix finishing including all leads and lifts etc. complete.	Sqm	610.00	560.00	510.00
RD/F/30	Add extra for using weigh batch mix plant of minimum capacity 120 TPH for items <b>Note:-</b> (i) Increase rate by 2% for every additional lead of 100 km. beyond first 100 km. completed. (For asphalt containing items ) (ii) for completed asphalt items initial lead of 100 km is considered	MT	210.00	205.00	200.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-G-Miscellaneous</b>					
Rd/G/1	Providing <b>dry rubble pitching</b> using sufficiently large face stones of approved quality for an <u>average depth of 225 mm including providing one header in one Sq.M.</u> of pitching area complete, including all leads.				
	a) Quarry rubble pitching.	Sq.M.	240.00	220.00	220.00
	b) Boulder rubble pitching using materials obtained from excavations (free of cost).	Sq.M.	90.00	80.00	75.00
Rd/G/2	<b>Dry rubble pitching</b> using sufficiently large faced stones from <b>rubble available from cutting</b> (free of cost) an average depth of 225 mm including providing one header in one sqm. of pitching area etc. complete, including all leads.	Sq.M.	100.00	90.00	90.00
Rd/G/3	Providing and fixing <b>guard stone or boundary stones</b> of size 200 mm x 200 mm x 800 mm including excavating the pits of size 300 x 300 x 450 mm and fixing the stone by filling the pit with M10 cement concrete, including curing and two coats of white wash to exposed sides etc. complete.	No	195.00	190.00	180.00
Rd/G/4	Providing and fixing <b>guard stone or boundary stone</b> of size <u>200 x 200 x 800 mm</u> including excavation and fixing in a pit of size <u>300 mm x 300 mm x 450 mm</u> , refilling the pits with murum and two coats of white washing to exposed sides etc complete.	No	120.00	115.00	105.00
Rd/G/5	Providing and fixing <b>guard stone or boundary stone</b> as per item no. Rd / G / 3, but with stone of size <u>200 mm x 200 mm x 600 mm</u> and pit size 300 mm x 300 mm x 400 mm.	No	170.00	150.00	140.00
Rd/G/6	Providing and fixing <b>guard stone or boundary stone</b> as per item no. Rd / G / 4, but with stone of size 200 mm x 200 mm x 600 mm and pit size <u>300 mm x 300 mm x 400 mm.</u>	No	110.00	103.00	100.00
Rd/G/7	<b>Clearing jungle</b> including uprooting, removing trunk vegetation, grass, bushes, trees up to 30 cm girth and removal of rubbish up to a distance of 50 m and stacking neatly outside the periphery of the area cleared.	Sq.M.	5.50	5.00	5.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/G/8	<b>Clearing of grass</b> and removal of rubbish up to a distance of 50 m outside of periphery of the area cleared and it should be disposed of outside the MIDC area.	Sq.M.	2.25	1.70	1.50
Rd/G/9	<b>Cutting down trees</b> including trunks and branches and stacking the materials neatly with in a lead of 50 M as directed including removing roots 0.3 m below ground in embankment and 0.3 m below the formation level in cutting and applying coal tar to the trunks of the tree etc. complete.				
	a) Trees above 300 mm and up to 600 mm in girth.	No	158.00	140.00	130.00
	b) Trees above 601 mm and up to 900 mm girth.	No	315.00	310.00	300.00
	c) Trees above 901 mm and up to 1800 mm in girth.	No	735.00	700.00	620.00
	d) Trees above 1801 mm and up to 3000 mm in girth	No	2500.00	2300.00	2200.00
	e) Trees from 3001 mm and above in girth.	No	4700.00	4200.00	4000.00
	<b>[Note:</b> The item shall be operated only after seeking permission from competent local authority to cut the trees. The item includes charges for obtaining the permission]				
Rd/G/10	Providing and painting lane marking strips & zebra crossing strips with white colour road marking paint as per the dimension given, including cleaning of asphalt surface (where road marking paint is to be applied) etc complete as per the direction of Engineer in charge				
	a) Oil based	Sq.M.	135.00	127.00	125.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/G/11	<p>Providing dry rubble pitching using sufficiently large face stones having area not less than 600 cm<sup>2</sup> of approved quality for an average depth of 225mm including providing one pin header not less than 450mm depth in one sq.m. of pitching area knocking down the corners, wedging, watering, borrowing the murum for filling voids and dusting murum with gunny bags including toe walls in M-10 CC 300 x 230 mm embedded 150mm in ground to provide a key wall to pitching &amp; M-10 CC band at top of pitching having size 250 x 100 mm, including curing etc. complete.</p> <p>(Note: Concrete and excavation for toe wall shall be paid separately under the relevant items of concrete and excavation)</p> <p>a) Quarry rubble pitching.</p> <p>(Note: Pitching is to be provided only for high embankment and submerged area)</p>	Sqm	200.00	180.00	170.00
Rd/G/12	<p>Providing and fixing precast M-20 cement guard stone or boundary stones of size 150mm x 150mm x 800mm including excavating the pits of size 300 x 300 x 450mm and fixing the stone by filling the pit with M-10 cement concrete, including anchor bar of length 300mm and dia 12mm MS bar including curing and two coats of white wash to exposed sides etc. complete.</p>	No.	325.00	310.00	300.00
Rd/G/13	<p>Providing &amp; fixing pre cast M-20 cement concrete permanent boundary stone of size 150 mm x 150 mm at top and 300 mm x 300 mm at bottom, total height 1.20 m, fixing in ground in all types of stratas, 0.45 m above GL and 0.75 m below GL excluding excavation having pit size 60 cm x 60 cm x 75cm depth including fixing, firmly with hard murum, metal obtained from excavation, including engraving MIDC letters on all the sides and painting with two coats of yellow colour cement, paint, with all labour, material including transportation etc. complete (as per standard drawing)</p>	No.	700.00	650.00	625.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Road-H-Road Furniture</b>					
Rd/H/1	Providing and applying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass at 250 gms per sq.m. area. Thickness of 2.5 mm is exclusive of surface applied glass beads as per ISR 035. The finished surface to be leveled uniform and free from streaks and holes including cleaning of road surface required and controlling traffic etc complete as per M.O.S.T. & H's specification Item No 803.	Sq.M.	720.00	700.00	650.00
Rd/H/2	Providing and fixing cautionary / mandatory sign boards made of 12 gauge (3 mm) Aluminium sheet bonded with white full retro reflective sheeting of high intensity grade having pressure sensitive / heat activated adhesive retro reflective or screen printed transparent red colour boarder, black coloured cut –out symbols of non reflective sheeting having pressure sensitive adhesive or screen printed symbols in black opaque colour including M.S. iron post of size 65 x 65 x 6 mm, 3.65 m long painted with one coat of epoxy primer and two coats of epoxy finish paints having black and white band of 25 cm width including G.I. fixtures etc and fixing the board in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including transportation etc complete.				
	[Item to be operated with prior permission of C.E./ Addl. CE]				
	a) Cautionary warning sign board having shaped equilateral triangle of 90 cm sides	No	8300.00	8000.00	7800.00
	b) Mandatory regulatory sign board of 60 cm diameter	No	7100.00	6900.00	6600.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/H/3	<p>Providing and fixing informatory sign boards in square or rectangular shape of any size made out of 12 gauge (3 mm) thick Aluminium sheet bounded with green reflective sheeting of high intensity grade having pressure sensitive / heat activated adhesive white retro reflective cut out border with message having pressure sensitive screen printing of green transparent colour over white retro reflective sheeting having border and message in white back ground including M.S. angle iron frame of size 35 x 35 x 3 mm and two M.S. angle iron post of size 65 x 65 x 6 mm, 3.65 m long properly cross based with angle iron of size 50 x 50 x 5 mm duly painted with one coat of epoxy finish paint having alternate black and white bands of 25 cm width including G. I. fixtures etc complete.</p> <p>[The Item to be operate with prior permission of C.E. (H.Q.)/ Addl. CE (HQ) ]</p>	Sq.M.	17800.00	17500.00	17200.00
Rd/H/4	<p>Providing and fixing cautionary / mandatory warning sign boards having square or rectangular shape made out of 14 gauge (2 mm). Thick Aluminium sheet bonded with white retro reflective sheeting of engineering grade having pressure sensitive heat activated adhesive retro reflective or screen printed transparent red colour boarder, black coloured cut out symbols of non reflective sheeting having pressure sensitive / heat activated adhesive or screen printed symbols in black opaque colour including M.S. angle iron post of size 65 x 65 x 6 mm, 3.65 m long painted with one coat of epoxy primer and two coats of epoxy finish paints having black and white bands of 25 cm width including G. I. fixture and fixing the board in 1: 4 :8 concrete block of size 60 cm x 60 cm x 75 cm including transportation etc complete.</p> <p>[Item to be operated with prior permission of C.E./ Addl. CE]</p>				
	a) Cautionary warning sign board having shape of equilateral triangle of 90 cm sides	No	5300.00	5125.00	5000.00
	b) Mandatory regulatory sign board of 60 cm diameter	No	4400.00	4270.00	4100.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/H/5	Providing and fixing informatory sign boards in square or rectangular shape of any size made of 14 gauge (2 mm) thick Aluminium sheet bounded with green retro reflective sheeting of Engineering grade having pressure sensitive / heat activated adhesive white retro reflective cut-out border and messages having pressure sensitive adhesive or screen printing of green transparent colour over white reflective sheeting having border and message in white back ground including M. S. angles Frame of size 35 mm x 35 mm x 3 mm and two M. S. angles iron post of size 65 x 65 x 6 mm, 3.65 m long. Properly cross braced with angle iron of size 50 x 50 x 5 mm duly painted with one coat of epoxy primer and two coats of epoxy finish paint having alternate black and white bands of 25 cm width including G. I. fixtures etc fixing the board in 1:4:8 concrete block of size 60 x 60 x 75 cm including transportation etc complete [Item to be operated with prior permission of C.E./ Addl. CE]	Sq.M.	10000.00	9800.00	9600.00
RD/H6	Providing and fixing of polymer shanked road studs (Reflective Pavement Marker / Cat eye) body made of tough polycarbonate of size not more than 105 x 130 x 20 mm; having reflector panel made of poly carbonate micro prismatic lens (providing total internal reflection). Electronically welded to the body. The two shanks attached with RPM to hold the marker at its place, fixed at site by drilling holes and applying high strength epoxy adhesive recommended by the manufacturer & Engineer incharge including materials, equipment, loading, unloading etc. necessary for successful fixing as directed by Engineer-in-charge of work.	No.	485.00	460.00	440.00
RD/H/7	Providing and fixing median markers of an isosceles structure made out of fibre Reinforced plastic structure rounded at acute angle and resting on its square base. The thickness of this material shall not be less than 3mm. The two slant surfaces of the isosceles structure shall be retro - reflectorized with retro reflective material of size not less than 125 x100mm using two types of prismatic retro-reflective sheeting to enhance overall visibility of the product. The installation of the median marker shall be done by a combination of epoxy or /and grouting, as directed by Engineer in charge etc. complete.	No.	690.00	650.00	630.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
RD/H/8	Providing and fixing Linear delineation panel (100 x870mm) of cube corner retroreflective material bonded to an aluminium substrate having repeating raised lateral bridge every 57mm & 9 mm in high having 7mm radius top having typical Ra values (cd/Lux m) of 600, 360 & 180 for white, yellow & red respectively at 0.2 deg observation & 4 deg entrance angle for application on concrete barrier guardrails/ tunnels/ walls/ flyovers/ bridges and approaches to bridges, as directed by Engineerinchrge.	No.	2800.00	2600.00	2600.00
RD/H/9	Providing and fixing Chevron Signs of 600 mm x 450 mm Rectangular size board using very high intensity grade wide angle Fluorescent Yellow micro-prismatic (ASTM Type-IX) or equivalent retro-reflective sheeting bonded on to 2 mm thick(14 SWG) aluminum sheet (coated with epoxy powder coating on back side) over which Symbols and numerals made using Electro Cutable Film /Screen Printing.Including stand post 3.45 m.Height made out of 65mm dia G.I. pipe "B" class confirming to IS:1239 (Part I & II) and bearing engraved IS mark ,with MS angle frame made out of ISA 35 X 35 X 6 mm as per drawings, including Welding GI nut , bolts & washers,clips,etc. as per IRC 67 1997, including conveying , fixing the board in M 10 grade cement concrete block of size 0.45 mtr x 0.45 mtr.x 0.6 mtr with 7 years Performance Warranty for the sheeting etc. complete.	No.	4800.00	4600.00	4500.00
RD/H/10	Providing and fixing stop signs of 900 mm size Octogonal boards using very high intensity grade wide angle micro-prismatic (ASTM Type-IX) or equivalent retro-reflective sheeting bonded on to 2 mm thick aluminum sheet (coated with epoxy powder coating on back side) over which symbols made using Electro Cutable Film/ Screen Printing to give Red Ellect with white letters. Including stand post 3.45m. Height made out of 65mm dia. G.I. pipe "B" class confirming to IS:1239 (Part I & II) and bearing engraved IS mark, with MS angle frame made out of ISA 35 x 35 x 6 mm as per drawings, including Welding GI nut, bolts & washers, clips, etc. as per IRC 67 1997, including conveying, fixing the board in M 10 grade cement concrete block of size 0.45 mtr. x 0.45 mtr. x 0.6 mtr with 7 years performance warranty of sheeting etc. complete.	No.	10300.00	10200.00	10100.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
Rd/H/11	Providing and fixing informatory board for displaying plot nos. and direction of size 0.90 x 0.60 mt. made out of 3mm thick G.P. sheet highly resistance to moisture and having tensile strength 80 Mpa, compressive strength 160 Mpa and treated for adhesive bonded with green retro reflective sheeting of high intensity grade having pressure sensitive heat activated adhesive white reflective cut out border with the message having pressure sensitive screen printing of green transparent current over white retroreflective sheeting having border and message in white back ground having a finish surface at back side with pigment french gray colour including one GI pipe 50 mm dia., B class, 3.40 mtr, length post and bracket made out of 25 mm dia., B class pipe as per drawing duly painted with one coat of primer and two coats epoxy paint having alternate black and white bands of 25 cm width including GI fixture and fixing the board in 1:4:8 concrete block size 0.45x0.45x0.60 mt. including transportation etc. complete. Make :- Retromark / equivalent [Item to be operated with prior permission of C.E./ Addl. CE]	No.	10200.00	10100.00	10050.00
Rd/H/12	Providing and fixing informatory sign board in square or rectangular shape of any size made out of 3mm thick G.P. sheet highly resistance to moisture and having tensile strength 80 Mpa, compressive strength 160 Mpa and treated for adhesive bonded with green retro reflective sheeting of high intensity grade having pressure sensitive heat activated adhesive white reflective cut out border with the message having pressure sensitive screen printing of green transparent current over white retroreflective sheeting having border and message in white back ground having a finish surface at back side with pigment french gray colour including M.S. angle of size 35x35x3 mm and 3.65 mtr long properly cross braced with iron angle of size 50x50x5 mm duly painted one coat epoxy paint having alternate black and white bands of 25 cm width including GI fixture and fixing the board in 1:4:8 concrete block size 0.60x0.60x0.75 mt. including transportation etc. complete. Make :- Retromark / equivalent [Item to be operated with prior permission of C.E./ Addl. CE]	Sq. m.	16150.00	15990.00	15830.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Rd/H/13	Providing and fixing cautionary / mandatory / warning sign board made out of 3mm thick G.P. sheet highly resistance to moisture and having tensile strength 80 Mpa, compressive strength 160 Mpa and treated for adhesive bonded with green retro reflective sheeting of high intensity grade having pressure sensitive heat activated adhesive white reflective cut out border with the message having pressure sensitive screen printing of green transparent current over white retroreflective sheeting having border and message in white back ground having a finish surface at back side with pigment french gray colour including M.S. angle of size 65x65x6 mm and 3.65 mtr long properly cross braced with iron angle of size 50x50x5 mm duly painted one coat epoxy paint having alternate black and white bands of 25 cm width including GI fixture and fixing the board in 1:4:8 concrete block size 0.60x0.60x0.75 mt. including transportation etc. complete. Make :- Retromark / equivalent [Item to be operated with prior permission of C.E./ Addl. CE]				
	1) Cautionary / mandatory / warning sign board having shape of equilateral triangle of 90 cm sides	No.	7725.00	7650.00	7580.00
	2) Mandatory / regulatory sign board of 60 cm dia.	No.	6290.00	6230.00	6171.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Water Supply - A- Excavation Works</b>					
WS/A/1	Excavation in <b>road crust</b> for laying of pipe line including consolidation after refilling etc. complete.				
	a) Asphalt & tarred road surface	Cu.M.	220.00	200.00	190.00
	b) Concrete road (conc. Section only)	Cu.M.	460.00	450.00	425.00
	c) WBM road (excavation for formation below road crust to be paid under relevant item of excavation)	Cu.M.	160.00	150.00	140.00
WS/A/2	<b>Remaking the excavated road surface</b> including WBM surface with 100 mm thick full grout including cost of 40 mm size metal, 12 mm and 6 mm grit and stone dust. Asphalt at 5.1 Kg/sq.m. and seal coat of 1.7 Kg/ sq.m. including consolidation etc. complete.	Sq.M.	370.00	360.00	350.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Water Supply - B- C.I. Pipes &amp; Specials</b>					
WS/B/1	Providing and Laying and jointing CI / LA / A / B class spun pipes and CI special conforming to IS: 1553-2001 and IS: 3114-1985, rubber ring conforming to latest relevant IS including hydraulic testing. [Rate to include cost of pipes, transportation, Laying to required grade and Line. Cost of rubber ring and jointing. Including taxes and duties for all materials, Labour, satisfactory hydraulic testing at works and fields] etc Excluding excavation, support to pipes, providing of CI specials and octrail.				
	<b>A] C.I Pipe - S &amp; S Pipes with TYTON joints - LA – Class</b>				
	1) 80 mm diameter	R.M.	1148.00	1110.00	1110.00
	2) 100 mm diameter	R.M.	1422.00	1374.00	1374.00
	3) 125 mm diameter	R.M.	Deleted	Deleted	Deleted
	4) 150 mm diameter	R.M.	2242.00	2156.00	2156.00
	5) 200 mm diameter	R.M.	3286.00	3175.00	3175.00
	6) 250 mm diameter	R.M.	4425.00	4269.00	4269.00
	7) 300 mm diameter	R.M.	5715.00	5534.00	5534.00
	8) 350 mm diameter	R.M.	7185.00	7010.00	7010.00
	9) 400 mm diameter	R.M.	8764.00	8528.00	8528.00
	10) 450 mm diameter	R.M.	10550.00	10335.00	10335.00
	11) 500 mm diameter	R.M.	12375.00	12008.00	12008.00
	12) 600 mm diameter	R.M.	16508.00	16265.00	16265.00
	13) 700 mm diameter	R.M.	21332.00	21032.00	21032.00
	14) 750 mm diameter	R.M.	23895.00	23672.00	23672.00
	<b>B] CI Pipes - S &amp; S Pipes with TYTON joints - A - Class</b>				
	1) 80 mm diameter	R.M.	1246.00	1191.00	1191.00
	2) 100 mm diameter	R.M.	1562.00	1492.00	1492.00
	3) 125 mm diameter	R.M.	Deleted	Deleted	Deleted
	4) 150 mm diameter	R.M.	2454.00	2404.00	2404.00
	5) 200 mm diameter	R.M.	3560.00	3505.00	3505.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	6) 250 mm diameter	R.M.	4813.00	4750.00	4750.00
	7) 300 mm diameter	R.M.	6238.00	6140.00	6140.00
	8) 350 mm diameter	R.M.	7783.00	7700.00	7700.00
	9) 400 mm diameter	R.M.	9563.00	9491.00	9491.00
	10) 450 mm diameter	R.M.	11573.00	11403.00	11403.00
	11) 500 mm diameter	R.M.	13461.00	13220.00	13220.00
	12) 600 mm diameter	R.M.	17993.00	17855.00	17855.00
	13) 700 mm diameter	R.M.	23267.00	23132.00	23132.00
	14) 750 mm diameter	R.M.	26080.00	25661.00	25661.00
	<b>C) CI Pipes - S &amp; S Pipes with TYTON joints - B -Class</b>				
	1) 80 mm diameter	R.M.	1334.00	1304.00	1304.00
	2) 100 mm diameter	R.M.	1665.00	1615.00	1615.00
	3) 125 mm diameter	R.M.	Deleted	Deleted	Deleted
	4) 150 mm diameter	R.M.	2641.00	2598.00	2598.00
	5) 200 mm diameter	R.M.	3849.00	3781.00	3781.00
	6) 250 mm diameter	R.M.	5199.00	5109.00	5109.00
	7) 300 mm diameter	R.M.	6751.00	6658.00	6658.00
	8) 350 mm diameter	R.M.	8433.00	8271.00	8271.00
	9) 400 mm diameter	R.M.	10313.00	9977.00	9977.00
	10) 450 mm diameter	R.M.	12472.00	11968.00	11968.00
	11) 500 mm diameter	R.M.	14549.00	14227.00	14227.00
	12) 600 mm diameter	R.M.	19467.00	19183.00	19183.00
	13) 700 mm diameter	R.M.	25102.00	24949.00	24949.00
	14) 750 mm diameter	R.M.	28254.00	27925.00	27925.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/B/2	Jointing C.I. LA / A / B class pipes and specials for the diameter 80 mm to 750 mm with lead joints as per the consumption of lead as given in brackets against each dia. including cost of lead, and jointing materials, labour required for transportation of lead to site of work, pouring lead for joints caulking joints and hydraulic testing etc complete.				
	<b>a) C.I. LA Class</b>				
	1) 80 mm diameter (2 .00kg / joint)	No.	350.00	350.00	325.00
	2) 100 mm diameter (2 .50kg / joint)	No.	431.00	431.00	400.00
	3) 125 mm diameter (3.00 kg / joint)	No.	518.00	518.00	481.00
	4) 150 mm diameter (3.50 kg / joint)	No.	606.00	606.00	562.00
	5) 200 mm diameter (4.50 kg / joint)	No.	775.00	775.00	719.00
	6) 250 mm diameter (6.00 kg / joint)	No.	1025.00	1025.00	950.00
	7) 300 mm diameter (7.50 kg / joint)	No.	1269.00	1269.00	1175.00
	8) 350 mm diameter (9.00 kg / joint)	No.	1518.00	1518.00	1406.00
	9) 400 mm diameter (11.50 kg / joint)	No.	1931.00	1931.00	1787.00
	10) 450 mm diameter (14.00 kg / joint)	No.	2337.00	2337.00	2162.00
	11) 500 mm diameter (16.00 kg / joint)	No.	2669.00	2669.00	2469.00
	12) 600 mm diameter (19.00 kg / joint)	No.	3162.00	3162.00	2925.00
	13) 700 mm diameter. (21.00 kg / joint)	No.	3506.00	3506.00	3244.00
	14) 750 mm diameter. (23.00 kg / joint)	No.	3831.00	3831.00	3544.00
	<b>b) C.I. A Class</b>				
	1) 80 mm diameter (2 .25kg / joint)	No.	391.00	391.00	363.00
	2) 100 mm diameter (2 .75kg / joint)	No.	472.00	472.00	438.00
	3) 125 mm diameter (3.25 kg / joint)	No.	559.00	559.00	519.00
	4) 150 mm diameter (3.75 kg / joint)	No.	647.00	647.00	600.00
	5) 200 mm diameter (4.75 kg / joint)	No.	816.00	816.00	756.00
	6) 250 mm diameter (6.40 kg / joint)	No.	1090.00	1090.00	1010.00
	7) 300 mm diameter (8.00 kg / joint)	No.	1350.00	1350.00	1250.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	8) 350 mm diameter (9.60 kg / joint)	No.	1616.00	1616.00	1496.00
	9) 400 mm diameter (12.50 kg / joint)	No.	2094.00	2094.00	1937.00
	10) 450 mm diameter (15.25 kg / joint)	No.	2540.00	2540.00	2350.00
	11) 500 mm diameter (17.50 kg / joint)	No.	2912.00	2912.00	2694.00
	12) 600 mm diameter (20.75 kg / joint)	No.	3447.00	3447.00	3188.00
	13) 700 mm diameter (23.00 kg / joint)	No.	3831.00	3831.00	3544.00
	14) 750 mm diameter (25.00 kg / joint)	No.	4156.00	4156.00	3844.00
	<b>c) C.I. B Class</b>				
	1) 80 mm diameter (2.40 kg / joint)	No.	415.00	415.00	385.00
	2) 100 mm diameter (2.90kg / joint)	No.	496.00	496.00	460.00
	3) 125 mm diameter (3.40 kg / joint)	No.	584.00	584.00	541.00
	4) 150 mm diameter (3.90 kg / joint)	No.	671.00	671.00	622.00
	5) 200 mm diameter (5.00 kg / joint)	No.	856.00	856.00	794.00
	6) 250 mm diameter (6.75 kg / joint)	No.	1147.00	1147.00	1063.00
	7) 300 mm diameter (8.50 kg / joint)	No.	1431.00	1431.00	1325.00
	8) 350 mm diameter (10.00 kg / joint)	No.	1681.00	1681.00	1556.00
	9) 400 mm diameter (13.00 kg / joint)	No.	2175.00	2175.00	2012.00
	10) 450 mm diameter (16.00 kg / joint)	No.	2663.00	2663.00	2463.00
	11) 500 mm diameter (18.00 kg / joint)	No.	2994.00	2994.00	2769.00
	12) 600 mm diameter (21.50 kg / joint)	No.	3569.00	3569.00	3300.00
	13) 700 mm diameter (24.00 kg / joint)	No.	3994.00	3994.00	3694.00
	14) 750 mm diameter (25.00 kg / joint)	No.	4156.00	4156.00	3844.00
WS/B/3	Providing at departmental store or work site C.I. specials of all types of socket and spigot of Double socket / Double flange conforming to IS: 1538-1993 including all taxes and duties except octroi.	Kg.	75.00	75.00	75.00



**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/B/4(A)	Picking up from MIDC Stores, laying and jointing <b>C.I. LA / A / B Class pipes</b> and specials as per IS: 1536-2001. Rates to include transporting, laying, jointing and hydraulic testing. But excluding cost of pipe, rubber ring and Excavation. (Laying cost is inclusive of laying to the required line and level.)				
	<b>a) CI Pipe LA Class - S &amp; S Pipes with TYTON joints</b>				
	1) 80 mm diameter	R.M.	35.00	34.00	34.00
	2) 100 mm diameter	R.M.	46.00	44.00	43.00
	3) 125 mm diameter	R.M.	52.00	50.00	48.00
	4) 150 mm diameter	R.M.	69.00	65.00	62.00
	5) 200 mm diameter	R.M.	92.00	89.00	86.00
	6) 250 mm diameter	R.M.	127.00	124.00	115.00
	7) 300 mm diameter	R.M.	150.00	145.00	140.00
	8) 350 mm diameter	R.M.	184.00	180.00	172.00
	9) 400 mm diameter	R.M.	259.00	250.00	240.00
	10) 450 mm diameter	R.M.	276.00	270.00	260.00
	11) 500 mm diameter	R.M.	322.00	312.00	300.00
	12) 600 mm diameter	R.M.	403.00	390.00	375.00
	13) 700 mm diameter	R.M.	507.00	490.00	472.00
	14) 750 mm diameter	R.M.	621.00	611.00	600.00
	<b>b) CI Pipe A Class - S &amp; S Pipes with TYTON joints</b>				
	1) 80 mm diameter	R.M.	37.00	36.00	35.00
	2) 100 mm diameter	R.M.	47.00	47.00	46.00
	3) 125 mm diameter	R.M.	57.00	55.00	53.00
	4) 150 mm diameter	R.M.	69.00	65.00	63.00
	5) 200 mm diameter	R.M.	98.00	95.00	92.00
	6) 250 mm diameter	R.M.	132.00	125.00	121.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	7) 300 mm diameter	R.M.	155.00	152.00	148.00
	8) 350 mm diameter	R.M.	184.00	180.00	178.00
	9) 400 mm diameter	R.M.	259.00	255.00	253.00
	10) 450 mm diameter	R.M.	282.00	280.00	276.00
	11) 500 mm diameter	R.M.	334.00	325.00	316.00
	12) 600 mm diameter	R.M.	414.00	402.00	391.00
	13) 700 mm diameter	R.M.	518.00	505.00	490.00
	14) 750 mm diameter	R.M.	633.00	625.00	615.00
	<b>c) CI Pipe B Class - S &amp; S Pipes with TYTON joints</b>				
	1) 80 mm diameter	R.M.	41.00	40.00	38.00
	2) 100 mm diameter	R.M.	52.00	51.00	50.00
	3) 125 mm diameter	R.M.	63.00	58.00	54.00
	4) 150 mm diameter	R.M.	75.00	71.00	69.00
	5) 200 mm diameter	R.M.	104.00	100.00	92.00
	6) 250 mm diameter	R.M.	138.00	130.00	121.00
	7) 300 mm diameter	R.M.	173.00	165.00	150.00
	8) 350 mm diameter	R.M.	196.00	190.00	184.00
	9) 400 mm diameter	R.M.	276.00	270.00	265.00
	10) 450 mm diameter	R.M.	299.00	290.00	282.00
	11) 500 mm diameter	R.M.	357.00	345.00	328.00
	12) 600 mm diameter	R.M.	449.00	435.00	403.00
	13) 700 mm diameter	R.M.	552.00	540.00	506.00
	14) 750 mm diameter	R.M.	674.00	655.00	633.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/B/4(B)	Labour charges for picking up from MIDC store, laying & jointing C.I. LA / A / B class pipes & specials as per IS: 1536-2001. Rates to include Transporting laying jointing and hydraulic testing but excluding cost of pipe & Excavation but <u>including cost of pig lead as per consumption of lead</u> as given in bracket against each dia.(Laying cost is inclusive of laying at required line & level)				
	<b>a) CI Pipe LA Class - S &amp; S Pipes with LEAD joints</b>				
	1) 80 mm diameter (2.00 Kg/Joint)	R.M.	98.00	96.00	91.00
	2) 100 mm diameter (2.50 Kg/Joint)	R.M.	124.00	118.00	110.00
	3) 125 mm diameter (3.00 Kg/Joint)	R.M.	145.00	140.00	135.00
	4) 150 mm diameter (3.50 Kg/Joint)	R.M.	178.00	171.00	168.00
	5) 200 mm diameter (4.50 Kg/Joint)	R.M.	232.00	225.00	215.00
	6) 250 mm diameter (6.00 Kg/Joint)	R.M.	311.00	305.00	290.00
	7) 300 mm diameter (7.50 Kg/Joint)	R.M.	378.00	365.00	350.00
	8) 350 mm diameter (9.00 Kg/Joint)	R.M.	457.00	437.00	421.00
	9) 400 mm diameter (11.50 Kg/Joint)	R.M.	606.00	598.00	575.00
	10) 450 mm diameter (14.00 Kg/Joint)	R.M.	697.00	690.00	670.00
	11) 500 mm diameter (16.00 Kg/Joint)	R.M.	802.00	790.00	770.00
	12) 600 mm diameter (19.00 Kg/Joint)	R.M.	972.00	960.00	940.00
	13) 700 mm diameter (21.00 Kg/Joint)	R.M.	1138.00	1120.00	1095.00
	14) 750 mm diameter (23.00 Kg/Joint)	R.M.	1311.00	1280.00	1250.00
	<b>b) CI Pipe A Class - S &amp; S Pipes with LEAD joints</b>				
	1) 80 mm diameter (2.25 Kg/Joint)	R.M.	107.00	105.00	100.00
	2) 100 mm diameter (2.75 Kg/Joint)	R.M.	132.00	125.00	120.00
	3) 125 mm diameter (3.25 Kg/Joint)	R.M.	158.00	155.00	152.00
	4) 150 mm diameter (3.75 Kg/Joint)	R.M.	185.00	180.00	176.00
	5) 200 mm diameter (4.75 Kg/Joint)	R.M.	245.00	235.00	222.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
6)	250 mm diameter (6.40 Kg/Joint)	R.M.	328.00	315.00	299.00
7)	300 mm diameter (8.50 Kg/Joint)	R.M.	398.00	385.00	374.00
8)	350 mm diameter (9.50 Kg/Joint)	R.M.	475.00	460.00	449.00
9)	400 mm diameter (12.50 Kg/Joint)	R.M.	636.00	620.00	585.00
10)	450 mm diameter (15.25 Kg/Joint)	R.M.	739.00	728.00	714.00
11)	500 mm diameter (17.50 Kg/Joint)	R.M.	858.00	850.00	819.00
12)	600 mm diameter (20.75 Kg/Joint)	R.M.	1034.00	1020.00	971.00
13)	700 mm diameter (23.00 Kg/Joint)	R.M.	1207.00	1180.00	1096.00
14)	750 mm diameter (25.00 Kg/Joint)	R.M.	1381.00	1350.00	1270.00
<b>c) CI Pipe B Class - S &amp; S Pipes with LEAD joints</b>					
1)	80 mm diameter (2.40 Kg/Joint)	R.M.	115.00	110.00	105.00
2)	100 mm diameter (2.90 Kg/Joint)	R.M.	141.00	135.00	130.00
3)	125 mm diameter (3.40 Kg/Joint)	R.M.	168.00	162.00	159.00
4)	150 mm diameter (3.90 Kg/Joint)	R.M.	195.00	190.00	182.00
5)	200 mm diameter (5.50 Kg/Joint)	R.M.	258.00	250.00	234.00
6)	250 mm diameter (6.75 Kg/Joint)	R.M.	345.00	335.00	316.00
7)	300 mm diameter (8.50 Kg/Joint)	R.M.	430.00	420.00	398.00
8)	350 mm diameter (10.00 Kg/Joint)	R.M.	498.00	490.00	468.00
9)	400 mm diameter (13.00 Kg/Joint)	R.M.	668.00	650.00	608.00
10)	450 mm diameter (16.00 Kg/Joint)	R.M.	778.00	770.00	749.00
11)	500 mm diameter (18.00 Kg/Joint)	R.M.	895.00	875.00	842.00
12)	600 mm diameter (21.00 Kg/Joint)	R.M.	1091.00	1075.00	1025.00
13)	700 mm diameter (24.00 Kg/Joint)	R.M.	1271.00	1260.00	1200.00
14)	750 mm diameter (25.00 Kg/Joint)	R.M.	1472.00	1400.00	1340.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
(A Government of Maharashtra Undertaking)

Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Water Supply - C- Sluice &amp; Air Valves</b>					
WS/C/1	Providing, fixing in position and jointing <b>C.I. Sluice valves</b> , Class-I type both end flanged (without hand wheel), including bypass arrangements and spur / worm gear arrangements as per test pressure and working pressure as below with Chrome Steel Spindle : (Rates to include cost of gaskets, bolts, nuts and any other material required for jointing and also cost of Valve, its transportation etc. including taxes and duties except octroi)				
	<b>A] CI Sluice valves confirming to IS:2906-1969, PN-0.6</b> (Suitable for working pressure of 6 kg/cm <sup>2</sup> )				
	1) 100 mm diameter	No.	6527.00	6432.00	6432.00
	2) 150 mm diameter	No.	11068.00	10925.00	10925.00
	3) 200 mm diameter	No.	21375.00	20663.00	20663.00
	4) 250 mm diameter	No.	29678.00	28918.00	28918.00
	<b>B] CI Sluice valves confirming to IS:14846-2000, PN-1.0</b> (Suitable for working pressure of 10 kg/cm <sup>2</sup> )				
	1) 50 mm diameter	No.	4857.00	4700.00	4700.00
	2) 65 mm diameter	No.	5265.00	5115.00	5115.00
	3) 80 mm diameter	No.	6093.00	5850.00	5850.00
	4) 100 mm diameter	No.	8812.00	8740.00	8740.00
	5) 125 mm diameter	No.	13743.00	13600.00	13600.00
	6) 150 mm diameter	No.	15275.00	15100.00	15100.00
	7) 200 mm diameter	No.	22999.00	22864.00	22864.00
	8) 250 mm diameter	No.	36915.00	36750.00	36750.00
	9) 300 mm diameter	No.	47333.00	47200.00	47200.00
	<b>CI Sluice valves confirming to IS:2906-1969 - PN-1.0</b> (Suitable for working pressure of 10kg/cm <sup>2</sup> )				
	1) 350 mm diameter	No.	82765.00	80700.00	80700.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	2) 400 mm diameter	No.	91230.00	89350.00	89350.00
	3) 450 mm diameter	No.	118913.00	116000.00	116000.00
	4) 500 mm diameter	No.	164838.00	160120.00	160120.00
	5) 600 mm diameter	No.	234527.00	229527.00	229527.00
	6) 700 mm diameter	No.	553117.00	546090.00	546090.00
	7) 800 mm diameter	No.	764089.00	754500.00	754500.00
	8) 900 mm diameter	No.	873499.00	860810.00	860810.00
	<b>C] CI Sluice valves confirming to IS:14846-2000 - PN-1.6</b> (Suitable for working pressure of 16kg/cm <sup>2</sup> )				
	1) 100 mm diameter	No.	10134.00	9950.00	9850.00
	2) 150 mm diameter	No.	17554.00	17120.00	16900.00
	3) 200 mm diameter	No.	26460.00	26000.00	25800.00
	4) 250 mm diameter	No.	42451.00	42150.00	41900.00
	5) 300 mm diameter	No.	54439.00	53939.00	53700.00
	6) 350 mm diameter	No.	95173.00	94600.00	94200.00
	7) 400 mm diameter	No.	104924.00	104050.00	103800.00
	8) 450 mm diameter	No.	136685.00	135685.00	134500.00
	9) 500 mm diameter	No.	189567.00	188800.00	188300.00
	10) 600 mm diameter	No.	269700.00	268200.00	267500.00
	11) 700 mm diameter	No.	579975.00	577130.00	575400.00
	12) 800 mm diameter	No.	788975.00	786500.00	785300.00
	13) 900 mm diameter	No.	876185.00	871200.00	869500.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/C/2	Providing, fixing in position and jointing <b>Butterfly Valves</b> both end flanged and 100 % tight shutoff. The general design of valves should be as per "AWWA-C-504" standard flanged construction with Chrome Steel Spindle, Seat ring and retaining segment etc. complete. (Rates to include cost of gaskets, bolts, nuts labour, machinery and any other material required for jointing and also cost of Valve, its transportation etc. including taxes and duties except octroi) P.N.1.0				
	1) 350 mm diameter	No.	66588.00	65740.00	65500.00
	2) 400 mm diameter	No.	73854.00	72200.00	72000.00
	3) 450 mm diameter	No.	84310.00	81890.00	81690.00
	4) 500 mm diameter	No.	100030.00	98040.00	97800.00
	5) 600 mm diameter	No.	139700.00	137750.00	137500.00
	6) 700 mm diameter	No.	177023.00	174800.00	174300.00
	7) 800 mm diameter	No.	214049.00	209000.00	208000.00
	8) 900 mm diameter	No.	363575.00	357200.00	356000.00
	9) 1000 mm diameter	No.	415925.00	407500.00	406000.00
	10) 1100 mm diameter	No.	459800.00	456500.00	456000.00
	11) 1200 mm diameter	No.	646115.00	641800.00	641000.00
WS/C/3	Providing, fixing in position and jointing <b>C.I. Double Ball orifice Air Valves</b> conforming to IS 14845-2000 without Isolating Sluice Valve, tested to 200 M of head of water (working pressure) [as per Glen field- Kennedy pattern. (Rates to include cost of gaskets, bolts, nuts and any other material required for jointing and also cost of Valve, its transportation etc. including taxes and duties except octroi)				
	1) 40 mm diameter	No.	14929.00	14800.00	14800.00
	2) 50 mm diameter	No.	17240.00	17000.00	17000.00
	3) 80 mm diameter	No.	19910.00	19500.00	19400.00
	4) 100 mm diameter	No.	23679.00	23200.00	23000.00
	5) 150 mm diameter	No.	43205.00	43000.00	42800.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/C/4	6) 200 mm diameter	No.	46567.00	46200.00	46000.00
	Providing, fixing In position and jointing <b>Single Ball Air Valves</b> , Screw Down Type with nipple and with / without isolating thread stop cock conforming to IS: 14848-2000, tested to 200 M head of water (working pressure). [Rates to include cost of gaskets, bolts, nuts and any other material required for jointing and also cost of Valve, its transportation etc. including taxes and duties except octroi]				
	<b>a) with Isolating Stop Cock :</b>				
	1) 15 mm diameter	No.	1866.00	1850.00	1850.00
	2) 20 mm diameter	No.	2595.00	2550.00	2550.00
	3) 25 mm diameter	No.	3745.00	3640.00	3640.00
	<b>b) Without Stop Cock :</b>				
	1) 15 mm diameter	No.	1743.00	1720.00	1720.00
	2) 20 mm diameter	No.	2310.00	2280.00	2280.00
	3) 25 mm diameter	No.	2997.00	2950.00	2950.00
WS/C/5	Providing, fixing in position and jointing <b>C.I. Kinetic Double Orifice type Air Valves</b> , (bearing IS 14845 mark) including isolating Sluice valve with spur gear arrangement etc. tested to 300 m head of water and maximum working pressure 200 m head of water. (Rates to include cost of gaskets, bolts, nuts and any other material required for jointing and also cost of Valve, its transportation etc. including taxes and duties except octroi)				
	1) 80 mm diameter	No.	26991.00	26500.00	26000.00
	2) 100 mm diameter	No.	31258.00	28989.00	28489.00
	3) 150 mm diameter	No.	53772.00	52500.00	51894.00
	4) 200 mm diameter	No.	66526.00	65827.00	65527.00
WS/C/6	Providing, fixing in position and jointing <b>C.I. Flanged Reflux Valves</b> , without bypass arrangements confirming to IS: 5312. (Rates to include cost of gaskets, bolts, nuts and any other materials required for jointing and also cost of Valve, its transportation etc including taxes and duties except octroi).				



**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	<b>a) Tested to 100 M head of water :</b>				
	1) 80 mm diameter	No.	5376.00	5150.00	5000.00
	2) 100 mm diameter	No.	8120.00	7800.00	7600.00
	3) 150 mm diameter	No.	12235.00	11900.00	11700.00
	4) 200 mm diameter	No.	22295.00	21940.00	21500.00
	5) 250 mm diameter	No.	37928.00	37480.00	36500.00
	6) 300 mm diameter	No.	45541.00	45100.00	44900.00
	<b>b) Tested to 160 M head of water :</b>				
	1) 100 mm diameter	No.	9343.00	9100.00	8900.00
	2) 150 mm diameter	No.	15053.00	14900.00	14700.00
	3) 200 mm diameter	No.	25619.00	25490.00	25100.00
	4) 250 mm diameter	No.	43613.00	43200.00	42800.00
	5) 350 mm diameter	No.	95766.00	92800.00	91800.00
	6) 400 mm diameter	No.	123882.00	122800.00	121200.00
	7) 450 mm diameter	No.	159066.00	157830.00	156300.00
	8) 500 mm diameter	No.	234354.00	232500.00	230800.00
	9) 600 mm diameter	No.	394088.00	389300.00	385500.00
WS/C/7	Providing, at departmental stores <b>C.I. Strainer</b> (suitable for Water Meter) Y - type with threaded ends and T – type with flanged ends. The straining element of brass sheet of 0.78 mm thickness having minimum 8 holes of 1.56 mm diameter / sq. centimeter including taxes and duties except octroi.				
	<b>a) Y - type :</b>				
	1) 15 mm diameter	No.	170.00	160.00	140.00
	2) 20 mm diameter	No.	280.00	270.00	250.00
	3) 25 mm diameter	No.	460.00	450.00	425.00
	3) 40 mm diameter	No.	550.00	500.00	475.00
	<b>b) T - type :</b>				

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	1) 20 mm diameter	No.	315.00	300.00	280.00
	2) 50 mm diameter	No.	1700.00	1650.00	1600.00
	3) 80 mm diameter	No.	3100.00	3000.00	2810.00
	4) 100 mm diameter	No.	4620.00	4600.00	4560.00
	5) 150 mm diameter	No.	6930.00	6800.00	6740.00
	6) 200 mm diameter	No.	12300.00	12000.00	11400.00
	7) 250 mm diameter	No.	19040.00	18800.00	18470.00
	8) 300 mm diameter	No.	28400.00	28000.00	26730.00
WS/C/8	Providing, fixing in position and jointing <b>Cast Steel Sluice Valves</b> , Class I type both end flanged (without hand wheel), including bypass arrangements and spur/worm gear arrangements as per test pressure and working pressure as below with Chrome Steel Spindle : (Rates to include cost of gaskets, bolts, nuts and any other material required for jointing and also cost of Valve, its transportation etc. including taxes and duties except octroi) (To be executed with the express permission of Chief Engineer.)				
	<b>PN - 2.5</b>				
	1) 150 mm diameter	No.	37416.00	37000.00	36500.00
	2) 200 mm diameter	No.	59653.00	59000.00	58000.00
	3) 250 mm diameter	No.	87595.00	87000.00	85500.00
	4) 300 mm diameter	No.	120847.00	120100.00	119000.00
	5) 350 mm diameter	No.	207420.00	207000.00	205500.00
	6) 400 mm diameter	No.	236698.00	236000.00	233500.00
	7) 450 mm diameter	No.	372335.00	371500.00	367000.00
	8) 500 mm diameter	No.	407139.00	406000.00	401500.00
	9) 600 mm diameter	No.	668840.00	667500.00	662500.00
	10) 700 mm diameter	No.	Deleted	Deleted	Deleted

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/C/9	Providing and erecting <b>Cast Iron Sluice Gate</b> manufactured and tested as per IS:3042-1965,designed to sustain 2 kg/cm <sup>2</sup> pressure, Gates to be provided with brass seats, and spindle of MS bright bar of required height to enable to operate the gate from operating slab of intake structure including GM nut bolts SS-304 hardware, necessary wedges to be provided to achieve leak tightness, including operation wheel, head stock, foundation material, labour etc. complete including taxes and duties except octroi.				
	a) 300 mm x 300 mm size	No.	59000.00	58000.00	57000.00
	b) 400 mm x 400 mm size	No.	75400.00	75200.00	74100.00
	c) 450 mm x 450 mm size	No.	80700.00	80300.00	80180.00
	d) 500 mm x 500 mm size	No.	91100.00	90200.00	89775.00
	e) 600 mm x 600 mm size	No.	114100.00	109700.00	108775.00
	f) 700 mm x 700 mm size	No.	152800.00	150650.00	150100.00
	g) 750 mm x 750 mm size	No.	172000.00	165500.00	165300.00
	h) 800 mm x 800 mm size	No.	198650.00	191200.00	190000.00
	i) 900 mm x 900 mm size	No.	236700.00	220300.00	219450.00
	j) 1000mm X 1000 mm size	No.	253600.00	244600.00	244150.00
	k) 1200 mm x 1200 mm size	No.	322750.00	314100.00	313500.00
WS/C/10	Providing and fixing in position and jointing high performance C.I. Air valves for water combination type (Kinetic air valve along with automatic air valves) double ball, double orifice with stainless steel ball, tamper proof air vents rolling seal mechanism for air release and anti vacuum application designed for 16 Kg. Per sq.cm. working pressure and tested for 20 for kg per sq.cm. pressure. (Rate to include cost of gaskets, bolt, nut and any other material required for jointing and its transportation etc. including all taxes and duties except octroi).				
	1) C.I. ARV FLFF PN 1.6 Dia. 50 mm	No.	11339.00	10400.00	10400.00
	2) C.I. ARV FLFF PN 1.6 Dia. 80 mm	No.	15736.00	15500.00	15500.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur	
WS/C/11	3) C.I. ARV FLFF PN 1.6 Dia.	100 mm	No.	25300.00	25000.00	25000.00
	4) C.I. ARV FLFF PN 1.6 Dia.	150 mm	No.	42348.00	42000.00	42000.00
	5) C.I. ARV FLFF PN 1.6 Dia.	200 mm	No.	51296.00	51000.00	51000.00
	Providing, fixing in position and jointing C.I. Sluice valves, Class-I type both end flanged (without hand wheel), as per test pressure and working pressure as below with Chrome Steel Spindle :(Rates to include cost of gaskets, bolts, nuts and any other material required for jointing its transportation etc. including taxes and duties except octroi)					
	<b>A] CI Sluice valves bearing IS:2906-1984 Mark PN-0.6</b> (Suitable for working pressure of 6 kg/cm <sup>2</sup> )					
	1) 350 mm diameter		No.	63033.00	63033.00	62700.00
	2) 400 mm diameter		No.	67450.00	67346.00	67165.00
	3) 450 mm diameter		No.	115900.00	115634.00	114000.00
	4) 500 mm diameter		No.	135660.00	135575.00	135185.00
	5) 600 mm diameter		No.	198075.00	197695.00	197600.00
6) 700 mm diameter		No.	291232.00	290871.00	290700.00	
7) 800 mm diameter		No.	400425.00	400397.00	399950.00	
8) 900 mm diameter		No.	584250.00	583538.00	583300.00	
<b>Note :</b> 1) Add 15% for Bypass arrangement. 2) Add 20% for Spur/worm gear arrangement.						

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Water Supply -D- Other Materials</b>					
WS/D/1	Providing at departmental stores and fixing 80 mm <b>Fire Hydrant Stand post type</b> with 65 mm Brass male outlet coupling having One No. each flange riser 300 mm length duck foot bend, 80 mm sluice valve, Road surface box, 80mm flange / socket tail piece conforming to IS:908-1975 including taxes and duties except octroi.	No.	21800.00	21500.00	21500.00
WS/D/2	Providing at departmental store and fixing <b>C.I. Manhole cover</b> (rectangular or circular) with frame conforming to IS: 1726-1974 (Part I - VII) with locking arrangement including taxes and duties except octroi.	Kg.	75.00	75.00	75.00
WS/D/3	Providing at department stores and fixing <b>C.I. Steps</b> weighing 2.5 Kg. each conforming to IS:5455-1969 including taxes and duties except octroi.	No.	150.00	140.00	130.00
WS/D/4	Providing at departmental store <b>water meters</b> ISI marked class B conforming to ISI 4064 / 1 excluding non return valve, strainer etc complete including all Taxes, Duties etc except octroi				
	<b><u>a) Domestic Type</u></b>				
	1) 15 mm diameter (Single jet)	No.	1000.00	1000.00	1000.00
	2) 15 mm diameter (Multi jet)	No.	1194.00	1194.00	1194.00
	3) 20 mm diameter (Single jet)	No.	1500.00	1500.00	1500.00
	4) 20 mm diameter (Multi jet)	No.	1868.00	1868.00	1868.00
	5) 25 mm diameter (Multi jet)	No.	2986.00	2986.00	2986.00
	6) 40 mm diameter (Multi jet)	No.	6048.00	6048.00	6048.00
	7) 50 mm diameter (Multi jet)	No.	7839.00	7839.00	7839.00
	<b><u>b) Bulk Type with removable Mechanism</u></b>				
	1) 50 mm diameter	No.	11123.00	11123.00	11123.00
	2) 80 mm diameter	No.	12317.00	12317.00	12317.00
	3) 100 mm diameter	No.	14744.00	14744.00	14744.00
	4) 150 mm diameter	No.	23822.00	23822.00	23822.00
	5) 200 mm diameter	No.	30301.00	30301.00	30301.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	6) 250 mm diameter	No.	59116.00	59116.00	59116.00
	7) 300 mm diameter	No.	75976.00	75976.00	75976.00
	8) 400 mm diameter	No.	119300.00	119300.00	119300.00
	9) 500 mm diameter	No.	165546.00	165546.00	165546.00
	10) 600 mm diameter	No.	185112.00	185112.00	185112.00
WS/D/5	Providing at departmental stores <b>SBR Rubber Gaskets for Tyton joints</b> conforming to IS: 5382, 1985 and IS: 12820-1989 including all Taxes, duties etc. except octroi.				
	1) 80 mm diameter	No.	96.00	87.00	87.00
	2) 100 mm diameter	No.	115.00	105.00	105.00
	3) 125 mm diameter	No.	140.00	123.00	123.00
	4) 150 mm diameter	No.	175.00	158.00	158.00
	5) 200 mm diameter	No.	285.00	258.00	258.00
	6) 250 mm diameter	No.	370.00	336.00	336.00
	7) 300 mm diameter	No.	525.00	476.00	476.00
	8) 350 mm diameter	No.	570.00	518.00	518.00
	9) 400 mm diameter	No.	820.00	742.00	742.00
	10) 450 mm diameter	No.	880.00	797.00	797.00
	11) 500 mm diameter	No.	1170.00	1062.00	1062.00
	12) 600 mm diameter	No.	1650.00	1497.00	1497.00
	13) 700 mm diameter	No.	2280.00	2047.00	2074.00
	14) 750 mm diameter	No.	2580.00	2345.00	2345.00
	15) 800 mm diameter	No.	2835.00	2576.00	2576.00
	16) 900 mm diameter	No.	3970.00	3606.00	3606.00
	17) 1000 mm diameter	No.	5440.00	4944.00	4944.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Water Supply - E- Laying &amp; Jointing</b>					
WS/E/1	<b>Cutting</b> C.I. / D.I. pipes (any class, wherever necessary)				
	1) 80 mm diameter	No.	50.00	40.00	30.00
	2) 100 mm diameter	No.	65.00	60.00	52.00
	3) 125 mm diameter	No.	70.00	65.00	55.00
	4) 150 mm diameter	No.	80.00	70.00	60.00
	5) 200 mm diameter	No.	95.00	80.00	70.00
	6) 250 mm diameter	No.	95.00	85.00	75.00
	7) 300 mm diameter	No.	110.00	90.00	80.00
	8) 350 mm diameter	No.	120.00	100.00	90.00
	9) 400 mm diameter	No.	140.00	120.00	110.00
	10) 450 mm diameter	No.	150.00	140.00	130.00
	11) 500 mm diameter	No.	160.00	140.00	130.00
	12) 600 mm diameter	No.	170.00	150.00	140.00
	13) 700 mm diameter	No.	190.00	170.00	160.00
	14) 750 mm diameter	No.	210.00	190.00	180.00
WS/E/2	<b>Picking up old C.I. / D.I. line</b> , including excavation, dismantling the flanged joints / lead joints, collecting lead rings, weighing them, returning to departmental stores, lifting pipes and stacking them within a lead of 60 M and refilling trenches etc. complete.				
	<b>a) Operation by Crane only</b>				
	1) 350 mm diameter.	R.M.	160.00	140.00	125.00
	2) 400 mm diameter.	R.M.	170.00	160.00	140.00
	3) 450 mm diameter.	R.M.	200.00	190.00	170.00
	4) 500 mm diameter.	R.M.	250.00	240.00	210.00
	5) 600 mm diameter.	R.M.	270.00	250.00	225.00
	6) 700 mm diameter.	R.M.	340.00	330.00	300.00
	7) 750 mm diameter.	R.M.	360.00	350.00	320.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	<b><i>b) Manual/operation</i></b>				
	1) 80 mm diameter	R.M.	103.00	90.00	80.00
	2) 100 mm diameter	R.M.	110.00	100.00	85.00
	3) 125 mm diameter	R.M.	120.00	100.00	90.00
	4) 150 mm diameter	R.M.	130.00	110.00	100.00
	5) 200 mm diameter	R.M.	140.00	130.00	110.00
	6) 250 mm diameter	R.M.	150.00	140.00	120.00
	7) 300 mm diameter	R.M.	170.00	150.00	130.00
	8) 350 mm diameter	R.M.	180.00	160.00	140.00
	9) 400 mm diameter	R.M.	200.00	180.00	150.00
	10) 450 mm diameter	R.M.	210.00	190.00	170.00



**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Water Supply - F- M.S. Pipes</b>					
WS/F/1	Providing at departmental stores or work site, <b>Spiral Welded M. S. Pipes</b> - as per IS: 3589 / 1991 (as manufactured by SAIL or its equivalent). Rates to include cost of all materials and all kind of duties except octroi including loading, transporting, unloading and stacking.	M.T.	60000.00	59000.00	58000.00
WS/F/2	Providing at departmental store or worksite fabricated <b>M. S. Pipe and specials</b> with socket and spigot ends for plain ends with necessary longitudinal and circumferential joints with required number of welding runs including cost of plates, welding rods & all kind of duties except octroi including loading unloading and transportation, etc. complete				
	a) M. S. pipes & Specials of all sizes without plain ends	Kg.	60.00	59.00	58.00
	b) M. S. Pipes & Specials with plain ends all sizes	Kg.	59.00	58.00	57.00
	c) Rates with MS pipes & Specials of all sizes with MS plates supplied by the department free of cost from their store	Kg.	16.00	15.00	15.00
WS/F/3	Picking up within 200 m radius from center of trenches, pipe supports, <b>lowering or raising and laying</b> to the required grade and level <b>M. S. pipe and specials</b> such as tees, tapers, bends, sluice valves etc. in trenches or on support as directed etc. complete. <u>Rates to include loading, transporting, unloading and stacking.</u>				
	1)150 mm diameter	R.M.	45.00	40.00	35.00
	2) 200 mm diameter	R.M.	60.00	55.00	50.00
	3) 250 mm diameter.	R.M.	65.00	60.00	55.00
	4) 300 mm diameter.	R.M.	70.00	65.00	60.00
	5) 350 mm diameter	R.M.	75.00	70.00	65.00
	6) 400 mm diameter	R.M.	90.00	86.00	80.00
	7) 450 mm diameter	R.M.	96.00	92.00	85.00
	8) 500 mm diameter.	R.M.	104.00	100.00	90.00
	9) 600 mm diameter.	R.M.	120.00	115.00	105.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
(A Government of Maharashtra Undertaking)

Item No	Item	Unit	Mumbai	Pune	Nagpur
	10) 700 mm diameter	R.M.	155.00	150.00	135.00
	11) 750 mm diameter	R.M.	165.00	160.00	145.00
	12) 900 mm diameter	R.M.	190.00	180.00	165.00
	13) 1000 mm diameter	R.M.	205.00	200.00	180.00
	14) 1100 mm diameter	R.M.	220.00	210.00	190.00
	15) 1200 mm diameter	R.M.	240.00	230.00	210.00
	16) 1500 mm diameter	R.M.	350.00	340.00	320.00
	17) 1800 mm diameter	R.M.	420.00	400.00	380.00
WS/F/4	<b>Labour charges for jointing of MS Pipes and Specials</b> of any thickness with required no. of welding runs as specified including matching of pipe faces with marginal gas cutting of 1/3 perimeter of the pipe dia per joint required etc. complete including cost of welding rods, conforming to IS: 814 –1974 (Part-I & II). labour required and satisfactory hydraulic testing including testing of welded joints as per IS: 3600-1984.				
	1) 150 mm diameter - Two run welding from outside	No.	430.00	430.00	400.00
	2) 200 mm diameter - Two run welding from outside	No.	570.00	570.00	550.00
	3) 250 mm diameter - Two run welding from outside	No.	715.00	715.00	690.00
	4) 300 mm diameter - Two run welding from outside	No.	880.00	860.00	825.00
	5) 350 mm diameter - Two run welding from outside	No.	990.00	970.00	950.00
	6) 400 mm diameter - Two run welding from outside	No.	1150.00	1130.00	1100.00
	7) 450 mm diameter - Two run welding from outside	No.	1270.00	1250.00	1200.00
	8) 500 mm diameter. - Two run welding from outside	No.	1420.00	1380.00	1350.00
	9) 600 mm diameter. - Two run welding from outside	No.	1750.00	1700.00	1650.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	10) 700 mm diameter - Two run welding from outside	No.	1920.00	1900.00	1850.00
	11) 750 mm diameter - Two run welding from outside	No.	2090.00	2030.00	1930.00
	12) 900 mm diameter - Two run welding from outside & inside each.	No.	2640.00	2600.00	2550.00
	13) 1000 mm diameter - Two run welding from outside & inside each.	No.	2970.00	2920.00	2850.00
	14) 1100 mm diameter - Two run welding from outside & inside each.	No.	3300.00	3260.00	3180.00
	15) 1200 mm diameter - Two run welding from outside & inside each.	No.	3740.00	3700.00	3550.00
	16) 1500 mm diameter - Two run welding from outside & inside each.	No.	4400.00	4280.00	4200.00
	17) 1800 mm diameter - Two run welding from outside & three inside.	No.	5280.00	5140.00	5100.00
WS/F/5	Providing, laying, jointing <b>ERW pipes</b> of 5.50 mm thick including specials such as tees, bends etc conforming to IS: 1239 (Part-I)-1990 & IS: 1239(Part-II)-1992,complete including cost of pipe, and a specials, jointing by welding or flanged joints with gaskets, nuts & bolts etc. and satisfactory hydraulic testing. (Rates to include cost of all materials labour, cost of welding , all jointing material like gasket, nuts bolts, washers, transportation, and all types of duties except octroi)				
	<b>A) ERW Pipes - WELDED JOINTS</b>		Deleted	Deleted	Deleted
	<b>B) ERW Pipes - FLANGED JOINTS</b>		Deleted	Deleted	Deleted
	<b>C) ERW Pipes - WELDED JOINTS (Pipes supplied by MIDC free of cost)</b>		Deleted	Deleted	Deleted
	<b>D) ERW Pipes - FLANGED JOINTS (Pipes supplied by MIDC free of cost)</b>		Deleted	Deleted	Deleted
WS/F/6	Providing all materials, labour, machinery etc. for <b>electric field welding at site for M. S. Pipes &amp; Specials</b> as per design (excluding circumferential joint), including all materials, labour & machinery.				
	a) Single run	R.M.	220.00	210.00	175.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	b) Double run	R.M.	320.00	300.00	270.00
WS/F/7	Cutting M.S. Pipes & Specials by <b>Gas Cutting</b> . of any class wherever necessary	R.M.	180.00	170.00	130.00
WS/F/8	Providing, erecting and commissioning M. S. Expansion Joints as per design, including cost of M.S. plates as per IS: 2062-1992, nuts and bolts and packing materials, and fixing the same by welding with required no. of runs including one coat of Red oxide etc. complete. (Payment of welding for circumferential joints welding for fixing at site will be made extra under relevant item.) the unit rate includes the cost of MS plates,including all taxes ,duties transportation up to site.				
	<b>a) With machined surfaces :</b>				
	1) 1800 mm diameter.	No.	334700.00	331300.00	328000.00
	2) 1500 mm diameter.	No.	221800.00	219582.00	217386.00
	3) 1200 mm diameter.	No.	158400.00	156816.00	155250.00
	4) 900 mm diameter.	No.	117100.00	115929.00	114750.00
	5) 750 mm diameter.	No.	93300.00	92367.00	91450.00
	6) 700 mm diameter.	No.	84500.00	83650.00	82800.00
	7) 600 mm diameter.	No.	67900.00	67200.00	66500.00
	8) 500 mm diameter.	No.	45400.00	44950.00	44500.00
	9) 450 mm diameter.	No.	45800.00	45350.00	44900.00
	10) 400 mm diameter.	No.	37100.00	36700.00	36350.00
	11) 350 mm diameter.	No.	33400.00	33050.00	32730.00
	12) 300 mm diameter.	No.	26200.00	25950.00	25680.00
	13) 250 mm diameter	No.	22500.00	22275.00	22050.00
	14) 200 mm diameter	No.	19000.00	18810.00	18620.00
	15) 150 mm diameter	No.	18300.00	18100.00	17940.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/F/9	Providing <b>M. S. Slipon Flanges</b> at departmental store or work site, finished smoothly on one side including drilling of holes as per B.S. Table or IS: 1537-1976 including cost of MS plates.				
	1) 80 mm dia - 12 mm thk - 3 Kg	No.	290.00	280.00	265.00
	2) 100 mm dia - 12 mm thk - 4 Kg	No.	385.00	380.00	370.00
	3) 150 mm dia - 12 mm thk - 5 Kg	No.	475.00	465.00	450.00
	4) 200 mm dia - 12 mm thk - 7 Kg	No.	665.00	650.00	630.00
	5) 250 mm dia - 12 mm thk - 7 Kg	No.	665.00	660.00	650.00
	6) 300 mm dia - 12 mm thk - 8 Kg	No.	765.00	750.00	720.00
	7) 350 mm dia - 12 mm thk - 10 Kg	No.	930.00	900.00	880.00
	8) 400 mm dia - 12 mm thk - 16 Kg	No.	1500.00	1475.00	1450.00
	9) 450 mm dia - 12 mm thk - 16 Kg	No.	1540.00	1510.00	1490.00
	10) 500 mm dia - 12 mm thk - 18 Kg	No.	1850.00	1800.00	1750.00
	11) 600 mm dia - 25 mm thk - 43 Kg	No.	4580.00	4550.00	4500.00
	12) 750 mm dia - 25 mm thk - 52 Kg	No.	5640.00	5580.00	5550.00
	13) 900 mm dia - 25 mm thk - 62 Kg	No.	6700.00	6680.00	6600.00
WS/F/10	Jointing of <b>M. S. Flanged pipes</b> or specials of any thickness including all jointing materials such as nuts, bolts, rubber gasket, zinc packing, labour required and satisfactory hydraulic testing etc. complete.				
	1) 80 mm diameter	No.	120.00	115.00	110.00
	2) 100 mm diameter	No.	165.00	160.00	150.00
	3) 125 mm diameter	No.	175.00	170.00	160.00
	4) 150 mm diameter	No.	230.00	225.00	210.00
	5) 200 mm diameter	No.	255.00	250.00	240.00
	6) 250 mm diameter	No.	335.00	325.00	310.00
	7) 300 mm diameter	No.	380.00	370.00	350.00
	8) 350 mm diameter	No.	475.00	460.00	440.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	9) 400 mm diameter	No.	715.00	705.00	680.00
	10) 450 mm diameter	No.	945.00	935.00	900.00
	11) 500 mm diameter.	No.	990.00	980.00	950.00
	12) 600 mm diameter.	No.	1280.00	1250.00	1225.00
	13) 700 mm diameter	No.	1320.00	1280.00	1250.00
	14) 750 mm diameter	No.	1720.00	1700.00	1650.00
	15) 800 mm diameter	No.	2000.00	1950.00	1900.00
	16) 900 mm diameter	No.	2670.00	2630.00	2550.00
WS/F/11	Providing and applying HDPE coating of "Smooth Flow" brand, to MS pipes internally and externally of required thickness, as per the guidelines of manufacturer of HDPE coating including cost of HDPE material, adhesive material, processing of coating, loading, unloading at factory including transportation and cleaning the pipe by sand blasting and preparing the surface dust free for application, with all material and labour etc, complete.				
	For HDPE coating to MS pipes up to 600 mm Dia.				
	a) 2000 micron external and 1000 micron internal	Sq.M.	Deleted	Deleted	Deleted
	b) 3000 micron external and 1000 micron internal	Sq.M.	Deleted	Deleted	Deleted
	c) 3000 micron external and 2000 micron internal	Sq.M.	Deleted	Deleted	Deleted
	d) 2000 micron internal	Sq.M.	Deleted	Deleted	Deleted

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Water Supply - G- Other Types of Pipes</b>					
WS/G/1	Providing at the site of work <b>Pre-stressed concrete pipe</b> conforming to IS: 784 - 2001 and of the required test pressure as given below, including lowering, laying to the required grade and level over the pre prepared bed including, local handling etc., providing & jointing the pipes with suitable rubber rings (Rubber ring roll on joint) including cost of all jointing material, labour required for jointing, hoisting, handling etc. and hydraulic testing of the pipes and joints as per the standards etc, complete. including taxes and duties excise, sales tax except octroi.				
	<b>A)</b>				
	1) 350 mm with thickness 35 mm & Pressure 2 Kg/cm <sup>2</sup> .	R.M.	3118.00	2925.00	2925.00
	2) 350 mm with thickness 35 mm & Pressure 4 Kg/cm <sup>2</sup> .	R.M.	3118.00	2925.00	2925.00
	3) 350 mm with thickness 35 mm & Pressure 6 Kg/cm <sup>2</sup> .	R.M.	3118.00	2925.00	2925.00
	4) 350 mm with thickness 35 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	3118.00	2925.00	2925.00
	<b>B)</b>				
	1) 400 mm with thickness 50 mm & Pressure 2 Kg/cm <sup>2</sup> .	R.M.	3331.00	3042.00	3042.00
	2) 400 mm with thickness 35 mm & Pressure 4 Kg/cm <sup>2</sup> .	R.M.	3331.00	3042.00	3042.00
	3) 400 mm with thickness 35 mm & Pressure 6 Kg/cm <sup>2</sup> .	R.M.	3331.00	3042.00	3042.00
	4) 400 mm with thickness 35 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	3331.00	3042.00	3042.00
	<b>C)</b>				
	1) 450 mm with thickness 35 mm & Pressure 2 Kg/cm <sup>2</sup> .	R.M.	3595.00	3270.00	3270.00
	2) 450 mm with thickness 35 mm & Pressure 4 Kg/cm <sup>2</sup> .	R.M.	3595.00	3270.00	3270.00
	3) 450 mm with thickness 35 mm & Pressure 6 Kg/cm <sup>2</sup> .	R.M.	3595.00	3270.00	3270.00
	4) 450 mm with thickness 35 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	3616.00	3425.00	3425.00
	<b>D)</b>				

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	1) 500 mm with thickness 35 mm & Pressure 4 Kg/cm <sup>2</sup> .	R.M.	3895.00	3740.00	3740.00
	2) 500 mm with thickness 35 mm & Pressure 6 Kg/cm <sup>2</sup> .	R.M.	3895.00	3740.00	3740.00
	3) 500 mm with thickness 35 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	3954.00	3824.00	3824.00
	4) 500 mm with thickness 35 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	4100.00	4000.00	4000.00
	5) 500 mm with thickness 40 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	4250.00	4200.00	4200.00
	<b>E)</b>				
	1) 600 mm with thickness 40 mm & Pressure 4 Kg/cm <sup>2</sup> .	R.M.	4800.00	4700.00	4700.00
	2) 600 mm with thickness 40 mm & Pressure 6 Kg/cm <sup>2</sup> .	R.M.	4866.00	4766.00	4766.00
	3) 600 mm with thickness 40 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	4958.00	4870.00	4870.00
	4) 600 mm with thickness 40 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	5124.00	5024.00	5024.00
	5) 600 mm with thickness 40 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	5220.00	5120.00	5120.00
	<b>F)</b>				
	1) 700 mm with thickness 40 mm & Pressure 6 Kg/cm <sup>2</sup> .	R.M.	5358.00	5258.00	5258.00
	2) 700 mm with thickness 40 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	5510.00	5410.00	5410.00
	3) 700 mm with thickness 40 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	5677.00	5577.00	5577.00
	4) 700 mm with thickness 40 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	5863.00	5763.00	5763.00
	5) 700 mm with thickness 40 mm & Pressure 14 Kg/cm <sup>2</sup> .	R.M.	6028.00	5930.00	5930.00
	6) 700 mm with thickness 40 mm & Pressure 16 Kg/cm <sup>2</sup> .	R.M.	6196.00	6095.00	6095.00
	7) 700 mm with thickness 40 mm & Pressure 18 Kg/cm <sup>2</sup> .	R.M.	6586.00	6485.00	6485.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
	8) 700 mm with thickness 40 mm & Pressure 20 Kg/cm <sup>2</sup> .	R.M.	6878.00	6778.00	6778.00
	<b>G)</b>				
	1) 800 mm with thickness 45 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	6864.00	6765.00	6765.00
	2) 800 mm with thickness 45 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	7010.00	6900.00	6900.00
	3) 800 mm with thickness 45 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	7252.00	7150.00	7150.00
	4) 800 mm with thickness 45 mm & Pressure 14 Kg/cm <sup>2</sup> .	R.M.	7470.00	7370.00	7370.00
	5) 800 mm with thickness 45 mm & Pressure 16 Kg/cm <sup>2</sup> .	R.M.	7683.00	7585.00	7585.00
	6) 800 mm with thickness 45 mm & Pressure 18 Kg/cm <sup>2</sup> .	R.M.	8171.00	8070.00	8070.00
	7) 800 mm with thickness 53 mm & Pressure 20 Kg/cm <sup>2</sup> .	R.M.	9170.00	9070.00	9070.00
	<b>H)</b>				
	1) 900 mm with thickness 56 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	8746.00	8650.00	8650.00
	2) 900 mm with thickness 56 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	9001.00	8900.00	8900.00
	3) 900 mm with thickness 56 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	9290.00	9190.00	9190.00
	4) 900 mm with thickness 56 mm & Pressure 14 Kg/cm <sup>2</sup> .	R.M.	9570.00	9450.00	9450.00
	5) 900 mm with thickness 56 mm & Pressure 16 Kg/cm <sup>2</sup> .	R.M.	10261.00	10160.00	10160.00
	6) 900 mm with thickness 56 mm & Pressure 18 Kg/cm <sup>2</sup> .	R.M.	10553.00	10450.00	10450.00
	7) 900 mm with thickness 60 mm & Pressure 20 Kg/cm <sup>2</sup> .	R.M.	10960.00	10860.00	10860.00
	<b>I)</b>				
	1) 1000 mm with thickness 60 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	9884.00	9684.00	9684.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	2) 1000 mm with thickness 60 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	10196.00	10050.00	10050.00
	3) 1000 mm with thickness 60 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	10536.00	10436.00	10436.00
	4) 1000 mm with thickness 60 mm & Pressure 14 Kg/cm <sup>2</sup> .	R.M.	11000.00	10900.00	10900.00
	5) 1000 mm with thickness 60 mm & Pressure 16 Kg/cm <sup>2</sup> .	R.M.	12366.00	12266.00	12266.00
	6) 1000 mm with thickness 60 mm & Pressure 18 Kg/cm <sup>2</sup> .	R.M.	10800.00	10700.00	10700.00
	7) 1000 mm with thickness 65 mm & Pressure 20 Kg/cm <sup>2</sup> .	R.M.	12366.00	12266.00	12266.00
	<b>J)</b>				
	1) 1100 mm with thickness 65 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	11190.00	10990.00	10990.00
	2) 1100 mm with thickness 65 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	11570.00	11370.00	11370.00
	3) 1100 mm with thickness 65 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	11953.00	11753.00	11753.00
	4) 1100 mm with thickness 65 mm & Pressure 14 Kg/cm <sup>2</sup> .	R.M.	12503.00	12300.00	12300.00
	5) 1100 mm with thickness 70 mm & Pressure 16 Kg/cm <sup>2</sup> .	R.M.	13310.00	13210.00	13210.00
	6) 1100 mm with thickness 64 mm & Pressure 18 Kg/cm <sup>2</sup> .	R.M.	13744.00	13544.00	13544.00
	7) 1100 mm with thickness 64 mm & Pressure 20 Kg/cm <sup>2</sup> .	R.M.	14627.00	14427.00	14427.00
	<b>K)</b>				
	1) 1200 mm with thickness 70 mm & Pressure 8 Kg/cm <sup>2</sup> .	R.M.	13946.00	13746.00	13746.00
	2) 1200 mm with thickness 70 mm & Pressure 10 Kg/cm <sup>2</sup> .	R.M.	14394.00	14194.00	14194.00
	3) 1200 mm with thickness 70 mm & Pressure 12 Kg/cm <sup>2</sup> .	R.M.	15015.00	14815.00	14815.00
	4) 1200 mm with thickness 70 mm & Pressure 14 Kg/cm <sup>2</sup> .	R.M.	15500.00	15300.00	15300.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	5) 1200 mm with thickness 70 mm & Pressure 16 Kg/cm <sup>2</sup> .	R.M.	16385.00	16185.00	16185.00
	6) 1200 mm with thickness 70 mm & Pressure 18 Kg/cm <sup>2</sup>	R.M.	16905.00	16705.00	16705.00
	7) 1200 mm with thickness 85 mm & Pressure 20 Kg/cm <sup>2</sup> .	R.M.	18050.00	17850.00	17850.00
WS/G/2	Providing, laying and jointing <b>BAR WRAPPED STEEL CYLINDER CONCRETE PRESSURE PIPES</b> of approved make or equivalent (conforming to AWWA C 303 and EN 639 and EN 641) and / or IS: 15155-2002 of the required test pressure as given below, including lowering, laying to the required grade and level over the prepared bed including local handling etc. complete. The standard joints consist of steel joint rings and continuous solid rubber ring gasket. The field joint be over lapping/ sliding butt welded or with confined rubber ring. A cement mortar lining to be placed by centrifugal process inside the cylinder. The lining to vary from 12 mm to 25 mm. After lining curing to be done by steam or water, mild steel rod be wrapped on the cylinder using moderate tension in the bar. The wrapping to be done under controlled tension ensuring intimate contact with the cylinder. The cylinder and bar wrapping be covered with cement slurry and a dense mortar coating which will be rich in cement. The coating to be cured by steam or water.				
A)	<b>For water pressure 4 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4205.00	4010.00	4010.00
	2) 400 mm diameter	R.M.	4600.00	4430.00	4430.00
	3) 450 mm diameter	R.M.	5075.00	4900.00	4900.00
	4) 500 mm diameter.	R.M.	5640.00	5560.00	5560.00
	5) 600 mm diameter.	R.M.	7310.00	7050.00	7050.00
	6) 700 mm diameter	R.M.	8450.00	8250.00	8250.00
	7) 800 mm diameter	R.M.	9950.00	9790.00	9630.00
	8) 900 mm diameter	R.M.	12475.00	12255.00	12200.00
	9) 1000 mm diameter	R.M.	14370.00	14250.00	14200.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	10) 1100 mm diameter	R.M.	21410.00	20995.00	20750.00
	11) 1200 mm diameter	R.M.	23750.00	23550.00	23390.00
	12) 1300 mm diameter	R.M.	26600.00	26500.00	26400.00
	13) 1400 mm diameter	R.M.	28550.00	28350.00	28310.00
	14) 1500 mm diameter	R.M.	30460.00	30240.00	29760.00
B)	<b>For water pressure 6 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4610.00	4460.00	4390.00
	2) 400 mm diameter	R.M.	4700.00	4600.00	4490.00
	3) 450 mm diameter	R.M.	5075.00	4990.00	4875.00
	4) 500 mm diameter.	R.M.	5650.00	5545.00	5475.00
	5) 600 mm diameter.	R.M.	7320.00	7220.00	7185.00
	6) 700 mm diameter	R.M.	8740.00	8230.00	7850.00
	7) 800 mm diameter	R.M.	9575.00	9390.00	9290.00
	8) 900 mm diameter	R.M.	12490.00	12290.00	12075.00
	9) 1000 mm diameter	R.M.	14375.00	14210.00	13970.00
	10) 1100 mm diameter	R.M.	20420.00	20220.00	20060.00
	11) 1200 mm diameter	R.M.	22750.00	22690.00	22430.00
	12) 1300 mm diameter	R.M.	26600.00	26360.00	26160.00
	13) 1400 mm diameter	R.M.	28550.00	28220.00	28050.00
	14) 1500 mm diameter	R.M.	31150.00	31100.00	31000.00
C)	<b>For water pressure 8 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4215.00	4100.00	3970.00
	2) 400 mm diameter	R.M.	4610.00	4490.00	4350.00
	3) 450 mm diameter	R.M.	5080.00	4915.00	4800.00
	4) 500 mm diameter.	R.M.	5660.00	5600.00	5500.00
	5) 600 mm diameter.	R.M.	7900.00	7700.00	7500.00
	6) 700 mm diameter	R.M.	8760.00	8560.00	8360.00
	7) 800 mm diameter	R.M.	9975.00	9775.00	9575.00

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	8) 900 mm diameter	R.M.	11220.00	11020.00	10955.00
	9) 1000 mm diameter	R.M.	14390.00	14190.00	14040.00
	10) 1100 mm diameter	R.M.	20430.00	20230.00	20030.00
	11) 1200 mm diameter	R.M.	22760.00	22560.00	22375.00
	12) 1300 mm diameter	R.M.	26620.00	26320.00	26140.00
	13) 1400 mm diameter	R.M.	28560.00	28260.00	28060.00
	14) 1500 mm diameter	R.M.	30480.00	30280.00	30180.00
D)	<b>For water pressure 10 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4220.00	4095.00	4040.00
	2) 400 mm diameter	R.M.	4620.00	4490.00	4440.00
	3) 450 mm diameter	R.M.	5090.00	5000.00	4900.00
	4) 500 mm diameter	R.M.	5675.00	5475.00	5400.00
	5) 600 mm diameter.	R.M.	7350.00	7150.00	7050.00
	6) 700 mm diameter	R.M.	8770.00	8700.00	8600.00
	7) 800 mm diameter	R.M.	9610.00	9510.00	9400.00
	8) 900 mm diameter	R.M.	12510.00	12410.00	12300.00
	9) 1000 mm diameter	R.M.	14410.00	14210.00	14060.00
	10) 1100 mm diameter	R.M.	20450.00	20250.00	19990.00
	11) 1200 mm diameter	R.M.	22780.00	22580.00	22395.00
	12) 1300 mm diameter	R.M.	26630.00	26330.00	26150.00
	13) 1400 mm diameter	R.M.	28560.00	28160.00	28010.00
	14) 1500 mm diameter	R.M.	30500.00	30200.00	30000.00
E)	<b>For water pressure 12 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4220.00	4090.00	4040.00
	2) 400 mm diameter	R.M.	4620.00	4490.00	4390.00
	3) 450 mm diameter	R.M.	5120.00	4920.00	4820.00
	4) 500 mm diameter	R.M.	5700.00	5500.00	5400.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	5) 600 mm diameter.	R.M.	7370.00	7170.00	7070.00
	6) 700 mm diameter	R.M.	8800.00	8600.00	8500.00
	7) 800 mm diameter	R.M.	10850.00	10620.00	10520.00
	8) 900 mm diameter	R.M.	12550.00	12350.00	12250.00
	9) 1000 mm diameter	R.M.	15530.00	15330.00	15230.00
	10) 1100 mm diameter	R.M.	20470.00	20270.00	20170.00
	11) 1200 mm diameter	R.M.	22800.00	22600.00	22500.00
	12) 1300 mm diameter	R.M.	26660.00	26440.00	26340.00
	13) 1400 mm diameter	R.M.	28600.00	28400.00	28300.00
	14) 1500 mm diameter	R.M.	30840.00	30640.00	30540.00
F)	<b>For water pressure 14 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4225.00	4035.00	3835.00
	2) 400 mm diameter	R.M.	4620.00	4480.00	4380.00
	3) 450 mm diameter	R.M.	5100.00	4990.00	4890.00
	4) 500 mm diameter	R.M.	5800.00	5720.00	5620.00
	5) 600 mm diameter	R.M.	7500.00	7300.00	7200.00
	6) 700 mm diameter	R.M.	9980.00	9780.00	9680.00
	7) 800 mm diameter	R.M.	11860.00	11660.00	11560.00
	8) 900 mm diameter	R.M.	13820.00	13620.00	13520.00
	9) 1000 mm diameter	R.M.	16670.00	16470.00	16370.00
	10) 1100 mm diameter	R.M.	20550.00	20450.00	20350.00
	11) 1200 mm diameter	R.M.	22800.00	22600.00	22400.00
G)	<b>For water pressure 16 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4230.00	4130.00	3990.00
	2) 400 mm diameter	R.M.	4620.00	4520.00	4470.00
	3) 450 mm diameter	R.M.	5290.00	5090.00	4990.00
	4) 500 mm diameter.	R.M.	6220.00	6020.00	5920.00
	5) 600 mm diameter.	R.M.	8060.00	7860.00	7760.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
H)	6) 700 mm diameter	R.M.	10640.00	10440.00	10310.00
	7) 800 mm diameter	R.M.	12900.00	12700.00	12645.00
	<b>For water pressure 18 Kg/cm<sup>2</sup>.</b>				
	1) 350 mm diameter	R.M.	4240.00	4140.00	4040.00
	2) 400 mm diameter	R.M.	4700.00	4600.00	4500.00
	3) 450 mm diameter	R.M.	5450.00	5350.00	5250.00
	4) 500 mm diameter	R.M.	6410.00	6310.00	6245.00
	6) 600 mm diameter	R.M.	8360.00	8160.00	8075.00
	7) 700 mm diameter	R.M.	11260.00	11060.00	10915.00
	WS/G/3	Providing, Laying and jointing D.I. pipes and specials cement mortar lining internally and zinc coating externally (class K-7 and K-9) conforming to IS: 8329-2000, rubber ring conforming to latest relevant IS standards, including hydraulic testing etc complete. Rate to include cost of pipes, rubber ring. Laying & jointing to required grade & level, taxes and duties on all materials labour, satisfactory hydraulic testing at works and field etc. Excluding excavation, pipe support, providing of D.I. specials, octroi etc.			
<b>[A] Class K-7</b>					
a) 100 mm diameter.		R.M.	1220.00	1215.00	1215.00
b) 150 mm diameter.		R.M.	1797.00	1722.00	1690.00
c) 200 mm diameter.		R.M.	2121.00	2117.00	2031.00
d) 250 mm diameter.		R.M.	2785.00	2785.00	2695.00
e) 300 mm diameter.		R.M.	3541.00	3535.00	3420.00
f) 350 mm diameter.		R.M.	4371.00	4362.00	4035.00
g) 400 mm diameter.		R.M.	5247.00	5238.00	5055.00
h) 450 mm diameter.		R.M.	6224.00	6220.00	5995.00
i) 500 mm diameter.		R.M.	7341.00	7335.00	7095.00
j) 600 mm diameter.		R.M.	9699.00	9687.00	9574.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	k) 700 mm diameter.	R.M.	13126.00	13076.00	12960.00
	l) 750 mm diameter.	R.M.	15202.00	15175.00	14796.00
	m) 800 mm diameter.	R.M.	17691.00	17680.00	17356.00
	n) 900 mm diameter.	R.M.	21134.00	21105.00	20670.00
	o) 1000 mm diameter.	R.M.	25070.00	24960.00	24416.00
	<b>[B] Class K-9</b>				
	a) 100 mm diameter.	R.M.	1371.00	1358.00	1355.00
	b) 150 mm diameter.	R.M.	2002.00	1987.00	1982.00
	c) 200 mm diameter.	R.M.	2449.00	2445.00	2408.00
	d) 250 mm diameter.	R.M.	3287.00	3282.00	3202.00
	e) 300 mm diameter.	R.M.	4182.00	4160.00	4039.00
	f) 350 mm diameter.	R.M.	5153.00	5122.00	4933.00
	g) 400 mm diameter.	R.M.	6171.00	6166.00	5956.00
	h) 450 mm diameter.	R.M.	7410.00	7387.00	7144.00
	i) 500 mm diameter.	R.M.	8661.00	8616.00	8300.00
	j) 600 mm diameter.	R.M.	11446.00	11405.00	11109.00
	k) 700 mm diameter.	R.M.	14657.00	14560.00	13986.00
	l) 750 mm diameter.	R.M.	16610.00	16573.00	15817.00
	m) 800 mm diameter.	R.M.	18298.00	18325.00	17560.00
	n) 900 mm diameter.	R.M.	22370.00	22360.00	21535.00
	o) 1000 mm diameter.	R.M.	26611.00	26490.00	25890.00
	p) 1100 mm diameter	R.M.	Deleted	Deleted	Deleted
WS/G/4	Providing at departmental stores or work site <b>CI detachable joints</b> conforming to IS: 1538-1993 complete with rings etc including all taxes and duties except octroi.				
	a) 80 mm diameter.	Per Set	300.00	290.00	280.00
	b) 100 mm diameter.	Per Set	352.00	345.00	340.00
	c) 125 mm diameter.	Per Set	435.00	430.00	425.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
	d) 150 mm diameter.	Per Set	520.00	515.00	510.00
	e) 200 mm diameter.	Per Set	825.00	820.00	810.00
	f) 250 mm diameter.	Per Set	1025.00	1020.00	1015.00
	g) 300 mm diameter.	Per Set	1360.00	1355.00	1350.00
	h) 350 mm diameter.	Per Set	2190.00	2185.00	2180.00
	i) 400 mm diameter.	Per Set	2610.00	2600.00	2600.00
	j) 450 mm diameter.	Per Set	3020.00	3015.00	3010.00
	k) 500 mm diameter.	Per Set	4235.00	4230.00	4225.00
	l) 600 mm diameter.	Per Set	6570.00	6550.00	6540.00
WS/G/5	Providing at departmental stores or work site <b>CI mechanical compression collar coupling (C.I. jiffy collar coupling)</b> confirming to IS: 1538 on quality of casting & IS: 5382 - 1985 for sealing rubber gasket. including all taxes and duties except octroi.				
	a) 80 mm diameter.	No.	1244.00	1130.00	1130.00
	b) 100 mm diameter.	No.	1338.00	1300.00	1216.00
	c) 125 mm diameter.	No.	1770.00	1680.00	1609.00
	d) 150 mm diameter.	No.	2410.00	2310.00	2190.00
	e) 200 mm diameter.	No.	2740.00	2572.00	2493.00
	f) 250 mm diameter.	No.	4389.00	4187.00	3990.00
	g) 300 mm diameter.	No.	5350.00	5148.00	5102.00
	h) 350 mm diameter.	No.	6450.00	6352.00	6267.00
	i) 400 mm diameter.	No.	10115.00	9832.00	9816.00
	j) 450 mm diameter.	No.	13075.00	12600.00	12030.00
	k) 500 mm diameter.	No.	15836.00	15496.00	15390.00
	l) 600 mm diameter.	No.	19610.00	19400.00	19284.00
	m) 700 mm diameter.	No.	25430.00	25240.00	25130.00
	n) 750 mm diameter.	No.	29400.00	29000.00	28710.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/G/6	Providing at deptt. store or work site <b>easy link mechanical joint of double socket bends</b> suitable for use in pipes of C.I. / M.S. / A.C. conforming to IS: 1538-1993 & IS: 13382-1992 with suitable C.I. follower gland sealing rubber gasket and nut bolts etc. coated with anticorrosive paint including all taxes and duties except octroi.				
	<b><u>A)22 ½ degree bends</u></b>				
	1) 80 mm diameter	No.	2884.00	2808.00	2622.00
	2) 100 mm diameter	No.	3200.00	3105.00	2909.00
	3) 150 mm diameter	No.	5238.00	4900.00	4762.00
	4) 200 mm diameter	No.	6589.00	6288.00	5990.00
	5) 250 mm diameter	No.	9966.00	9765.00	9545.00
	6) 300 mm diameter	No.	12032.00	11565.00	11465.00
	7) 350 mm diameter	No.	19366.00	18915.00	18585.00
	8)400 mm diameter	No.	23981.00	23690.00	22866.00
	9) 450 mm diameter	No.	30270.00	30170.00	30100.00
	10) 500 mm diameter	No.	35409.00	35300.00	35200.00
	11) 600 mm diameter	No.	46926.00	46825.00	46750.00
	12)700 mm diameter	No.	64293.00	64200.00	64150.00
	13)750 mm diameter	No.	79111.00	79010.00	78950.00
	14) 800 mm diameter	No.	88872.00	88672.00	88500.00
	15) 900 mm diameter	No.	112436.00	112200.00	111900.00
	<b><u>B) 45 degree bends</u></b>				
	1) 80 mm diameter	No.	3002.00	2902.00	2729.00
	2) 100 mm diameter	No.	3331.00	3231.00	3075.00
	3) 150 mm diameter	No.	5580.00	5380.00	5185.00
	4) 200 mm diameter	No.	7376.00	7024.00	6705.00
	5) 250 mm diameter	No.	10821.00	10286.00	9837.00
	6) 300 mm diameter	No.	13057.00	12512.00	11870.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	7) 350 mm diameter	No.	12162.00	11536.00	10917.00
	8) 400 mm diameter	No.	26513.00	25973.00	25473.00
	9) 450 mm diameter	No.	36982.00	36800.00	36500.00
	10) 500 mm diameter	No.	41293.00	41100.00	39800.00
	11) 600 mm diameter	No.	57230.00	57100.00	56800.00
	12) 700 mm diameter	No.	81613.00	81400.00	81200.00
	13) 750 mm diameter	No.	109432.00	109200.00	109000.00
	14) 800 mm diameter	No.	120518.00	120320.00	120020.00
	15) 900 mm diameter	No.	142758.00	142560.00	142350.00
	<b><u>C) 90 degree bends</u></b>				
	1) 80 mm diameter	No.	3226.00	3098.00	2933.00
	2) 100 mm diameter	No.	3726.00	3578.00	3387.00
	3) 150 mm diameter	No.	6632.00	6332.00	6029.00
	4) 200 mm diameter	No.	8821.00	8621.00	8019.00
	5) 250 mm diameter	No.	11622.00	11322.00	10566.00
	6) 300 mm diameter	No.	15989.00	15675.00	15466.00
	7) 350 mm diameter	No.	24067.00	23187.00	22687.00
	8) 400 mm diameter	No.	39788.00	38868.00	36171.00
	9) 450 mm diameter	No.	50735.00	50430.00	50230.00
	10) 500 mm diameter	No.	63543.00	63350.00	63150.00
	11) 600 mm diameter	No.	80487.00	80290.00	80190.00
	12) 700 mm diameter	No.	127243.00	127050.00	126900.00
	13) 750 mm diameter	No.	145790.00	145450.00	145250.00
	14) 800 mm diameter	No.	171446.00	171250.00	171150.00
	15) 900 mm diameter	No.	213115.00	213000.00	212850.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
WS/G/7	Providing at dept site or work site <b>easy link mechanical joint of C.I. tees</b> conforming to IS: 1538-1993 all sockets / with branch flange suitable for use in C.I. / M.S. / A.C. pipe lines with suitable C.I. gland, sealing rubber gasket (IS:5382 - 1985) and nut bolts. coated or otherwise protected from rusting including all taxes and duties except octroi.				
	1) 80 x 80 x 80 mm	No.	4370.00	4091.00	3973.00
	2) 100 x 100 x 80 mm	No.	4700.00	4506.00	4406.00
	3) 100 x 100 x 100 mm	No.	5193.00	4978.00	4721.00
	4) 150 x 150 x 80 mm	No.	7028.00	6802.00	6700.00
	5) 150 x 150 x 100 mm	No.	7127.00	6827.00	6727.00
	6) 150 x 150 x 150 mm	No.	8836.00	8610.00	8400.00
	7) 200 x 200 x 80 mm	No.	8496.00	8260.00	8085.00
	8) 200 x 200 x 100 mm	No.	8595.00	8387.00	8284.00
	9) 200 x 200 x 150 mm	No.	10226.00	9956.00	9856.00
	10) 200 x 200 x 200 mm	No.	11262.00	11122.00	10922.00
	11) 250 x 250 x 80 mm	No.	11965.00	11829.00	11534.00
	12) 250 x 250 x 100 mm	No.	12234.00	11976.00	11847.00
	13) 250 x 250 x 150 mm	No.	14588.00	14370.00	14187.00
	14) 250 x 250 x 200 mm	No.	15428.00	15315.00	15063.00
	15) 250 x 250 x 250 mm	No.	17302.00	17135.00	16887.00
	16) 300 x 300 x 80 mm	No.	13126.00	12845.00	12608.00
	17) 300 x 300 x 100 mm	No.	13421.00	13164.00	12980.00
	18) 300 x 300 x 150 mm	No.	17208.00	16832.00	16665.00
	19) 300 x 300 x 200 mm	No.	17784.00	17567.00	17328.00
	20) 300 x 300 x 250 mm	No.	18830.00	18654.00	18253.00
	21) 300 x 300 x 300 mm	No.	20782.00	20622.00	20350.00
	22) 350 x 350 x 80 mm	No.	20241.00	19884.00	19718.00
	23) 350 x 350 x 100 mm	No.	21566.00	21284.00	20766.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	24) 350 x 350 x 150 mm	No.	23257.00	22757.00	22357.00
	25) 350 x 350 x 200 mm	No.	23332.00	23132.00	22930.00
	26) 350 x 350 x 300 mm	No.	27895.00	27550.00	27295.00
	27) 350 x 350 x 350 mm	No.	32017.00	31620.00	31450.00
	28) 400 x 400 x 80 mm	No.	23981.00	23730.00	23635.00
	29) 400 x 400 x 100 mm	No.	25452.00	25132.00	24650.00
	30) 400 x 400 x 150 mm	No.	28397.00	28018.00	27580.00
	31) 400x 400 x 200 mm	No.	28985.00	28650.00	28220.00
	32) 400 x 400 x 300 mm	No.	35020.00	34566.00	34137.00
	33) 400 x 400 x 400 mm	No.	40172.00	39590.00	39400.00
WS/G/8	Providing at dept store or work site <b>C. I. easy link mechanical joint of socket and flanged tail piece</b> conforming to IS: 1538-1993 suitable for C.I. / MS / AC pipes including cost of suitable C.I. gland, sealing rubber gasket (IS: 5382 - 1985) and nut bolts coated or otherwise protected from rusting including all taxes and duties except octroi.				
	a) 80 mm diameter.	Per Set	1603.00	1578.00	1457.00
	b) 100 mm diameter.	Per Set	1741.00	1658.00	1583.00
	c) 125 mm diameter.	Per Set	2169.00	2064.00	1972.00
	d) 150 mm diameter.	Per Set	3141.00	3006.00	2855.00
	e) 200 mm diameter.	Per Set	4047.00	3850.00	3679.00
	f) 250 mm diameter.	Per Set	6117.00	5870.00	5561.00
	g) 300 mm diameter.	Per Set	6841.00	6570.00	6536.00
	h) 350 mm diameter.	Per Set	9020.00	8720.00	8420.00
	i) 400 mm diameter.	Per Set	11818.00	11573.00	11396.00
	j) 450 mm diameter.	Per Set	13872.00	13606.00	13476.00
	k) 500 mm diameter.	Per Set	17404.00	16775.00	16275.00
	l) 600 mm diameter.	Per Set	22327.00	21927.00	21600.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur	
	m) 700 mm diameter.	Per Set	30379.00	29980.00	29305.00	
WS/G/9	n) 750 mm diameter.	Per Set	36066.00	35266.00	34865.00	
	Providing at dept store or work site <b>C. I. cut in repair</b> mechanical compression repair coupling conforming to IS: 1538-1993 suitable for pipeline including cost of suitable rubber gasket (IS: 5382-1985) and nut bolts. Coated or otherwise protected from rusting including all taxes and duties except octroi					
	a) 80 mm diameter.	Per Set	2289.00	2189.00	2135.00	
	b) 100 mm diameter.	Per Set	2422.00	2340.00	2290.00	
	c) 125 mm diameter.	Per Set	3366.00	3266.00	3160.00	
	d) 150 mm diameter.	Per Set	4052.00	3952.00	3684.00	
	e) 200 mm diameter.	Per Set	5003.00	4813.00	4710.00	
	f) 250 mm diameter.	Per Set	7574.00	7374.00	7174.00	
	g) 300 mm diameter.	Per Set	9154.00	8855.00	8655.00	
	h) 350 mm diameter.	Per Set	13190.00	12890.00	12690.00	
	i) 400 mm diameter.	Per Set	20677.00	20377.00	20277.00	
	j) 450 mm diameter.	Per Set	23030.00	22430.00	22130.00	
	k) 500 mm diameter.	Per Set	30479.00	29980.00	29680.00	
	l) 600 mm diameter.	Per Set	34209.00	33710.00	33310.00	
WS/G/10	m) 700 mm diameter.	Per Set	42400.00	41900.00	41300.00	
	n) 750 mm diameter.	Per Set	49175.00	48175.00	48000.00	
	Providing at dept store or work site <b>C.I. Jiffy dismantling joint</b> conforming to IS: 1538-1993 to be used as variable length double flanged distance pieces for <b>C.I.D.F. pipes</b> (Continuation of one jiffy flanged adopter and one C.I. flanged / spigot Tail pieces including all taxes and duties except octroi)					
	a) 80 mm diameter.	Per Set	3071.00	2990.00	2890.00	
	b) 100 mm diameter.	Per Set	3534.00	3469.00	3390.00	
	c) 125 mm diameter.	Per Set	4335.00	4200.00	4150.00	

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	d) 150 mm diameter.	Per Set	6053.00	5953.00	5653.00
	e) 200 mm diameter.	Per Set	8221.00	7971.00	7870.00
	f) 250 mm diameter.	Per Set	12043.00	11745.00	11345.00
	g) 300 mm diameter.	Per Set	14094.00	13695.00	13395.00
	h) 350 mm diameter.	Per Set	17850.00	17650.00	17450.00
	i) 400 mm diameter.	Per Set	23516.00	23116.00	22815.00
	j) 450 mm diameter.	Per Set	26700.00	26200.00	25900.00
	k) 500 mm diameter.	Per Set	33600.00	33150.00	32850.00
	l) 600 mm diameter.	Per Set	43581.00	43080.00	42680.00
	m) 700 mm diameter.	Per Set	58661.00	58461.00	57960.00
	n) 750 mm diameter.	Per Set	72852.00	71350.00	70450.00
WS/G/11	Providing at dept store or work site jiffy <b>C.I. reducing couplings</b> for C.I. pipes confirming to IS: 1536-2001 & for fitting IS: 13382 gasket conforming to IS: 12820-1989 including cost of suitable rubber sealing gasket and nut bolts. coated or otherwise protected from rusting including all taxes and duties except octroi.				
	1) 100 x 80 mm	No.	3032.00	2952.00	2900.00
	2) 150 x 80 mm	No.	4595.00	4495.00	4425.00
	3) 150 x 100 mm	No.	4864.00	4764.00	4664.00
	4) 150 x 125 mm	No.	5284.00	5100.00	5010.00
	5) 200 x 100 mm	No.	5610.00	5520.00	5420.00
	6) 200 x 150 mm	No.	6127.00	6007.00	5970.00
	7) 250 x 100 mm	No.	8007.00	7787.00	7587.00
	8) 250 x 150 mm	No.	8378.00	8200.00	8100.00
	9) 250 x 200 mm	No.	8179.00	8079.00	7980.00
	10) 300 x 100 mm	No.	9188.00	9010.00	8910.00
	11) 300 x 150 mm	No.	10308.00	10108.00	10008.00
	12) 300 x 200 mm	No.	10332.00	10132.00	9982.00
	13) 300 x 250 mm	No.	10508.00	10250.00	10100.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	14) 350 x 200 mm	No.	14876.00	14576.00	14475.00
WS/G/12	15) 350 x 300 mm	No.	14748.00	14550.00	14250.00
	Providing at dept store or work site <b>Jiffy socket leak repair</b> clamp conforming to IS: 1538-1993 for repairs of spigot / socket joints with pig lead or Tyton rubber gasket without dismantling the joints (lead joint leak repair clamps) including all taxes and duties except octroi				
	a) 80 mm diameter.	Per Set	1577.00	1527.00	1500.00
	b) 100 mm diameter.	Per Set	1698.00	1660.00	1620.00
	c) 125 mm diameter.	Per Set	1867.00	1845.00	1825.00
	d) 150 mm diameter.	Per Set	2955.00	2885.00	2865.00
	e) 200 mm diameter.	Per Set	3370.00	3350.00	3310.00
	f) 250 mm diameter.	Per Set	4612.00	4512.00	4462.00
	g) 300 mm diameter.	Per Set	5799.00	5645.00	5595.00
	h) 350 mm diameter.	Per Set	6267.00	6167.00	6137.00
	i) 400 mm diameter.	Per Set	8092.00	7945.00	7840.00
	j) 450 mm diameter.	Per Set	8726.00	8615.00	8465.00
	k) 500 mm diameter.	Per Set	11806.00	11585.00	11485.00
	l) 600 mm diameter.	Per Set	13698.00	13308.00	13210.00
m) 700 mm diameter.	Per Set	17663.00	17395.00	17095.00	
n) 750 mm diameter.	Per Set	20660.00	20360.00	20260.00	
WS/G/13	Providing at dept store or work site <b>Jiffy patch clamp</b> joints to be used for instantaneous repair of C.I. pipes including cost of rubber sealing gasket (IS:5382- 1985) and nut bolts. coated or otherwise protected from rusting including all taxes and duties except octroi.				
	a) 80 mm diameter.	Per Set	2465.00	2412.00	2362.00
	b) 100 mm diameter.	Per Set	2706.00	2640.00	2600.00
	c) 125 mm diameter.	Per Set	3058.00	2958.00	2908.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
	d) 150 mm diameter.	Per Set	3279.00	3215.00	3135.00
	e) 200 mm diameter.	Per Set	4432.00	4332.00	4232.00
	f) 250 mm diameter.	Per Set	5080.00	4990.00	4900.00
	g) 300 mm diameter.	Per Set	5537.00	5437.00	5387.00
	h) 350 mm diameter.	Per Set	10880.00	10695.00	10595.00
	i) 400 mm diameter.	Per Set	11176.00	10970.00	10915.00
	j) 450 mm diameter.	Per Set	12565.00	11850.00	11600.00
	k) 500 mm diameter.	Per Set	14022.00	13300.00	13150.00
	l) 600 mm diameter.	Per Set	15974.00	15200.00	15000.00
	m) 700 mm diameter.	Per Set	16998.00	16200.00	15950.00
	n) 750 mm diameter.	Per Set	18077.00	17500.00	17300.00
WS/G/14	Providing at dept store or work site <b>flat rubber gasket</b> suitable for flanged joints (3 / 6 mm thickness) with bolt holes and nominal bore, pitch circle diameter as per IS:1538- 1993 and gasket as per IS:638-1979 including all taxes and duties except octroi.				
	a) 80 mm diameter.	No.	98.00	89.00	84.00
	b) 100 mm diameter.	No.	110.00	100.00	96.00
	c) 125 mm diameter.	No.	130.00	118.00	108.00
	d) 150 mm diameter.	No.	182.00	165.00	155.00
	e) 200 mm diameter.	No.	218.00	198.00	178.00
	f) 250 mm diameter.	No.	301.00	274.00	265.00
	g) 300 mm diameter.	No.	326.00	296.00	280.00
	h) 350 mm diameter.	No.	392.00	356.00	345.00
	i) 400 mm diameter.	No.	486.00	442.00	420.00
	j) 450 mm diameter.	No.	498.00	453.00	425.00
	k) 500 mm diameter.	No.	620.00	564.00	540.00
	l) 600 mm diameter.	No.	836.00	760.00	750.00
	m) 700 mm diameter.	No.	914.00	831.00	775.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	n) 750 mm diameter.	No.	1001.00	910.00	875.00
WS/G/15	o) 900 mm diameter.	No.	1961.00	1783.00	1755.00
	p) 1067 mm diameter.	No.	2045.00	1859.00	1823.00
	Providing at departmental store or work site <b>rubber "o" Rings</b> confirming to IS: 5382 - 1985 and IS: 10292-2002 suitable for CID joints to IS:8794-1988 for AC pressure pipes IS:1592 including all taxes and duties except octroi.				
	a) 80 mm diameter.	No.	48.00	43.00	38.00
	b) 100 mm diameter.	No.	57.00	52.00	48.00
	c) 125 mm diameter.	No.	69.00	63.00	58.00
	d) 150 mm diameter.	No.	76.00	69.00	66.00
	e) 200 mm diameter.	No.	98.00	89.00	84.00
	f) 250 mm diameter.	No.	113.00	103.00	97.00
	g) 300 mm diameter.	No.	135.00	123.00	117.00
WS/G/16	h) 350 mm diameter.	No.	206.00	187.00	180.00
	i) 400 mm diameter.	No.	230.00	209.00	198.00
	Providing and supplying at dept. store or work site MS Dismantling joints suitable to various size of sluice valves, butterfly valves etc with two flanged type, welded to MS pipes made of MS plates of required thickness, bar stock materials with neoprene one piece <b>"V"</b> gland ring flanged drilled as per IS:1538, studs of electro-galvanised, and joints painted with light grey enamel paint, with necessary machining including hydraulic testing of 18 kg/cm <sup>2</sup> . The cost includes all taxes, duties etc with transportation to departmental stores except octroi charges.				
	1) 200 mm diameter.	No.	12940.00	12750.00	12650.00
	2) 250 mm diameter.	No.	14875.00	14475.00	14175.00
	3) 300 mm diameter.	No.	18490.00	18110.00	18000.00
	4) 350 mm diameter.	No.	25260.00	24760.00	24560.00
	5) 400 mm diameter.	No.	29150.00	28550.00	28250.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	6) 450 mm diameter.	No.	32180.00	31110.00	30610.00
	7) 500 mm diameter.	No.	34840.00	33950.00	33450.00
	8) 600 mm diameter.	No.	42284.00	41735.00	41235.00
	9) 650 mm diameter.	No.	45760.00	44760.00	43760.00
	10) 700mm diameter.	No.	49100.00	47600.00	47200.00
	11) 900 mm diameter.	No.	83780.00	83080.00	82730.00
	12) 1200 mm diameter.	No.	85555.00	84335.00	83510.00
WS/G/17	Providing at departmental store or at work site, M.S. specials with machine ends suitable for PSC pipeline with necessary longitudinal & circumferential joints with required No of welding runs including cost of M.S. plates, welding rods with all taxes duties except octroi etc complete.	Kg.	80.00	78.00	76.00
WS/G/18	Providing & supplying at departmental store or worksite, CI leak repair clamps suitable to repairs of leakages in socket spigot joint in PSC pipes including cost of material. The clamp should consist of retainer ring and compression strip supplied in two semi circular halves with suitable shaped sealing rubber gasket made of natural rubber (N.R.). The sealing shall be restrained from the top suitable arrangement shall be provided to retain the clamp and compressed sealing gasket. The fitting shall be mechanically and hydraulically tested as per IS 1538-1993 with all taxes & duties except octroi etc. complete.				
	1) 350 mm diameter	No.	13662.00	13250.00	13000.00
	2) 400 mm diameter	No.	14628.00	14300.00	14200.00
	3) 450 mm diameter	No.	17895.00	17700.00	17600.00
	4) 500 mm diameter	No.	20790.00	20500.00	20400.00
	5) 600 mm diameter	No.	25142.00	24800.00	24600.00
	6) 700 mm diameter	No.	31114.00	30600.00	30400.00
	7) 750 mm diameter	No.	33561.00	32800.00	32600.00
	8) 800 mm diameter	No.	42471.00	41500.00	41300.00
	9) 900 mm diameter	No.	51381.00	50600.00	50500.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	10) 1000 mm diameter	No.	62890.00	62500.00	62300.00
WS/G/19	11) 1100 mm diameter	No.	69869.00	69400.00	69200.00
	12) 1200 mm diameter	No.	77220.00	76700.00	76500.00
	13) 1300 mm diameter	No.	94818.00	93100.00	92800.00
	14) 1400 mm diameter	No.	98500.00	97200.00	97000.00
	15) 1500 mm diameter	No.	112130.00	110500.00	110000.00
	Providing & supplying at departmental store or worksite, CI split collars coupling suitable for repair of circumferential cracks in CI / DI pipe lines. The fittings shall be supplied as set and shall be mechanically & hydraulically tested as per IS: 1538-1993 including cost of material, with all taxes & duties except octroi etc. complete.				
	1) 80 mm diameter.	No.	4100.00	4033.00	3983.00
	2) 100 mm diameter.	No.	4840.00	4760.00	4710.00
	3) 150 mm diameter.	No.	6520.00	6472.00	6392.00
	4) 200 mm diameter.	No.	8015.00	7784.00	7685.00
	5) 250 mm diameter.	No.	10620.00	10393.00	10290.00
	6) 300 mm diameter.	No.	12250.00	11865.00	11815.00
	7) 350 mm diameter.	No.	19365.00	18900.00	18792.00
	8) 400 mm diameter.	No.	24900.00	24800.00	24700.00
9) 450 mm diameter.	No.	31220.00	31120.00	31020.00	
10) 500 mm diameter.	No.	34875.00	34675.00	34575.00	
11) 600 mm diameter.	No.	44750.00	44550.00	44450.00	
12) 700 mm diameter.	No.	58840.00	58680.00	58580.00	
13) 750 mm diameter.	No.	65780.00	65580.00	65480.00	
WS/G/20	Providing at departmental store or worksite, D.I. specials of all types double socket, double flange conforming to IS: 9523 - 2000 including cost of material, with all taxes duties but except octroi etc. Complete.				

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Item No	Item	Unit	Mumbai	Pune	Nagpur	
	1) 80 to 300 mm dia.	Kg.	150.00	140.00	130.00	
	2) 350 to 400 mm dia.	Kg.	160.00	150.00	140.00	
WS/G/21	3) 400 to 500 mm dia.	Kg.	165.00	160.00	155.00	
	4) 600 mm dia	Kg.	225.00	215.00	210.00	
	5) 700 mm dia	Kg.	265.00	255.00	250.00	
	6) 800 mm dia	Kg.	285.00	270.00	260.00	
	7) 900 mm dia	Kg.	305.00	290.00	280.00	
	8) 1000 mm dia	Kg.	350.00	340.00	330.00	
	Providing, laying, jointing & testing GRP pipe conforming to IS 12709-1994 etc. complete including satisfactory hydraulic testing including taxes & duties but excluding excavation, supports etc. complete.(Rates includes transportation, laying to required line & level, jointing including all jointing materials , labour etc.)					
	<b>A] PN – 6</b>					
		a) 250 mm diameter.	R.M.	2600.00	2520.00	2471.00
		b) 300 mm diameter.	R.M.	3300.00	3000.00	2889.00
		c) 350 mm diameter.	R.M.	4000.00	3700.00	3544.00
		d) 400 mm diameter.	R.M.	4600.00	4300.00	4138.00
		e) 450 mm diameter.	R.M.	5100.00	4800.00	4691.00
		f) 500 mm diameter.	R.M.	6000.00	5700.00	5549.00
		g) 600 mm diameter.	R.M.	8200.00	7800.00	7628.00
		h) 700 mm diameter.	R.M.	10500.00	10000.00	9740.00
		i) 750 mm diameter	R.M.	13300.00	12800.00	12528.00
	<b>B] PN – 9</b>					
		a) 250 mm diameter.	R.M.	3000.00	2700.00	2558.00
		b) 300 mm diameter.	R.M.	3400.00	3100.00	2984.00
	c) 350 mm diameter.	R.M.	4200.00	3800.00	3652.00	
	d) 400 mm diameter.	R.M.	4600.00	4400.00	4226.00	

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	e) 450 mm diameter.	R.M.	5000.00	4800.00	4651.00
	f) 500 mm diameter.	R.M.	6100.00	5900.00	5744.00
	<b>C] PN – 12</b>				
	a) 600 mm diameter.	R.M.	8000.00	7700.00	7472.00
	b) 700 mm diameter.	R.M.	10800.00	10400.00	10152.00
	c) 750 mm diameter.	R.M.	14100.00	13700.00	13298.00
	<b>D] PN – 15</b>				
	a) 600 mm diameter.	R.M.	8800.00	8500.00	7904.00
	b) 700 mm diameter.	R.M.	11300.00	10900.00	10564.00
	c) 750 mm diameter.	R.M.	15000.00	14500.00	13912.00
	<b>E] PN – 20</b>				
	a) 600 mm diameter.	R.M.	9900.00	9400.00	8971.00
	b) 700 mm diameter.	R.M.	12500.00	12000.00	11455.00
	c) 750 mm diameter.	R.M.	16100.00	15600.00	15167.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Drainage-A- Excavation Works</b>					
Dr/A/1	Excavation for Sewer / Pipe trenches to the required grade & level in earth, soils of all types of sand, gravel & soft & hard murum, & boulders up to 0.03 Cu.m. of size including removing the excavated material upto a distance of 50 meters beyond the edges of trenches & lifts up to 3 m, stacking refilling the excavated trenches & spreading as directed, bailing out water, including cost of required material if any including shoring, strutting etc. complete.	Cu.M.	140.00	125.00	110.00
Dr/A/2	Excavation for Sewer / Pipe trenches to the required grade & level in soft rock, boulders between 0.03 to 0.3 Cu.m in sizes and old cement & lime masonry foundation including removing the excavated material upto a distance of 50 meter beyond the area and lift upto 3m stacking and spreading refilling the excavated trenches as directed, bailing out water, including cost of required material if any, including shoring, strutting etc. complete.	Cu.M.	280.00	250.00	220.00
Dr/A/3	Excavation for Sewer / Pipe trenches to the required grade & level in hard rock and boulders more than 0.3 Cu.m in sizes by blasting, including trimming and levelling the bed by chiselling where necessary and removing the excavated material refilling the excavated trenches and stacking it in measurable heaps within a distance of 50 m. from the area and lifts up to 3 m including bailing out water etc. complete.	Cu.M.	500.00	460.00	430.00
Dr/A/4	Excavation for Sewer / Pipe trenches to the required grade and level in hard rock & boulders more than 0.3 Cu.m in size by chiselling, wedging, line drilling etc. including trimming & leveling, the bed, removing the excavated materials upto a distance of 50 m. beyond area and refilling the excavated trenches, lift upto 3 m. stacking as directed, including bailing out water etc. complete.	Cu.M.	600.00	580.00	500.00

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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Dr/A/5	Excavation of trenches for drainage / sewer lines in hard rock and boulders above 0.3 Cu.m. in size by controlled blasting including trimming & leveling the bed by chiselling to the correct widths and gradients, specified in the drawings, as directed with proper support of the timbering to the sides with appropriate strutting including dewatering of the trenches remaining the excavated stuff upto a distance of 50 m. beyond the edges of the trenches refilling the excavated trenches and lifts upto 3 m including stacking & / or spreading the material if required etc. complete.	Cu.M.	650.00	615.00	550.00
Dr/A/6	Add for every additional lift of 1.5 m for item Dr / A / 1 to Dr / A / 5	Cu.M.	31.00	28.00	22.00



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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Drainage-B- Drainage Lines</b>					
Dr/B/1	Providing, laying & jointing SW pipes & specials conforming to IS:651-1992 including cost of pipes, lowering, laying raising to the required level and grade with specials such as Tees, Y etc. including jointing with best quality hemp ropes and cement sand mortar 1:1 conforming to IS:1742-1983 & giving satisfactory hydraulic test as per the stipulations of relevant IS code etc. complete. (Excluding excavation).				
	a) 100 mm dia.	R.M.	203.00	195.00	170.00
	b) 150 mm dia.	R.M.	298.00	285.00	260.00
	c) 200 mm dia.	R.M.	500.00	460.00	420.00
	d) 230 mm dia.	R.M.	519.00	510.00	470.00
	e) 250 mm dia.	R.M.	630.00	610.00	575.00
	f) 300 mm dia.	R.M.	875.00	850.00	810.00
	g) 350 mm dia.	R.M.	1000.00	965.00	900.00
	h) 400 mm dia.	R.M.	1100.00	1075.00	1000.00
	i) 450 mm dia.	R.M.	1340.00	1300.00	1230.00
Dr/B/2	Providing at the site of work and lowering, laying and jointing RCC NP2 class pipes conforming to IS:458-1988 in prepared trenches in grade and level, including hoisting, making rubber ring / collar joints in cement mortar 1:1, including cost of collar / rubber ring, jointing material like cement, sand etc. and hydraulic testing of the pipes at factory as well as on site as per the stipulation in relevant IS code etc. complete.				
	a) 100 mm dia.	R.M.	350.00	335.00	325.00
	b) 150 mm dia.	R.M.	395.00	380.00	370.00
	c) 200 mm dia.	R.M.	490.00	475.00	450.00
	d) 250 mm dia.	R.M.	525.00	500.00	<u>480.00</u>
	e) 300 mm dia.	R.M.	790.00	770.00	750.00
	f) 350 mm dia.	R.M.	1120.00	1100.00	1080.00
	g) 400 mm dia.	R.M.	1195.00	1160.00	1145.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	h) 450 mm dia.	R.M.	1365.00	1325.00	1300.00
	i) 500 mm dia.	R.M.	1905.00	1855.00	1830.00
	j) 600 mm dia.	R.M.	2078.00	2020.00	1970.00
	k) 700 mm dia.	R.M.	2935.00	2860.00	2803.00
	l) 800 mm dia.	R.M.	3345.00	3290.00	3210.00
	m) 900 mm dia.	R.M.	4320.00	4185.00	4115.00
	n) 1000 mm dia.	R.M.	4998.00	4815.00	4740.00
	o) 1100 mm dia.	R.M.	6400.00	6275.00	6120.00
	p) 1200 mm dia.	R.M.	7240.00	7070.00	6850.00
	q) 1400 mm dia.	R.M.	9600.00	9350.00	9100.00
	r) 1600 mm dia.	R.M.	11040.00	10700.00	10350.00
	s) 1800 mm dia.	R.M.	14810.00	14630.00	14500.00
Dr/B/3	Providing at the site of work and lowering, laying and jointing RCC NP3 class pipes conforming to IS458-1998 in prepared trenches in grade and level, including hoisting, making rubber ring / collar joints in cement mortar 1:1, including cost of collar / rubber ring, jointing material like cement, sand etc. and hydraulic testing of the pipes at factory as well as on site per the stipulation in relevant IS code etc. complete.				
	a) 100 mm dia.	R.M.	415.00	400.00	380.00
	b) 150 mm dia.	R.M.	465.00	450.00	430.00
	c) 200 mm dia.	R.M.	680.00	650.00	630.00
	d) 250 mm dia.	R.M.	965.00	930.00	910.00
	e) 300 mm dia.	R.M.	1090.00	1055.00	1020.00
	f) 350 mm dia.	R.M.	2405.00	2320.00	2240.00
	g) 400 mm dia.	R.M.	2820.00	2710.00	2645.00
	h) 450 mm dia.	R.M.	2934.00	2840.00	2740.00
	i) 500 mm dia.	R.M.	3490.00	3375.00	3275.00
	j) 600 mm dia.	R.M.	3835.00	3695.00	3555.00

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Item No	Item	Unit	Mumbai	Pune	Nagpur
	k) 700 mm dia.	R.M.	5625.00	5420.00	5245.00
	l) 800 mm dia.	R.M.	7000.00	6780.00	6620.00
	m) 900 mm dia.	R.M.	7725.00	7470.00	7250.00
	n) 1000 mm dia.	R.M.	8695.00	8420.00	8145.00
	o) 1100 mm dia.	R.M.	10910.00	10750.00	10520.00
	p) 1200 mm dia.	R.M.	12130.00	11830.00	11600.00
	q) 1400 mm dia.	R.M.	16460.00	16150.00	15840.00
	r) 1600 mm dia.	R.M.	23900.00	23300.00	22500.00
	s) 1800 mm dia.	R.M.	30030.00	29800.00	29520.00
Dr/B/4	Providing at the site of work & lowering, laying in prepared trenches to the required grade & level, and jointing R.C.C. pressure pipe P1 class conforming to IS: 458 - 1988 with rubber ring / collars and butt ends prepared for collar joints including providing & jointing with cement mortar 1:1 proportion ((jointing shall be as per IS:783-1985). Including the cost of all jointing material, including collars / rubber ring etc., labour required for handling, hoisting and making joints, curing the joints including hydraulic testing) refilling of trench etc. complete.				
	a) 100 mm dia.	R.M.	440.00	425.00	400.00
	b) 150 mm dia.	R.M.	490.00	475.00	455.00
	c) 200 mm dia.	R.M.	655.00	640.00	612.00
	d) 250 mm dia.	R.M.	920.00	885.00	860.00
	e) 300 mm dia.	R.M.	1105.00	1062.00	1020.00
	f) 350 mm dia.	R.M.	2340.00	2300.00	2220.00
	g) 400 mm dia.	R.M.	2680.00	2600.00	2550.00
	h) 450 mm dia.	R.M.	2800.00	2730.00	2635.00
	i) 500 mm dia.	R.M.	3320.00	3240.00	3155.00
	j) 600 mm dia.	R.M.	3800.00	3680.00	3540.00
	k) 700 mm dia.	R.M.	5440.00	5310.00	5145.00
	l) 800 mm dia.	R.M.	6760.00	6610.00	6415.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	m) 900 mm dia.	R.M.	7350.00	7220.00	7000.00
	n) 1000 mm dia.	R.M.	8280.00	8035.00	7780.00
	o) 1100 mm dia.	R.M.	10350.00	10280.00	10160.00
	p) 1200 mm dia.	R.M.	11520.00	11390.00	11180.00
Dr/B/5	Providing at the site of work & lowering, laying in prepared trenches to the required grade & level, and jointing R.C.C. pressure pipe P2 class conforming to IS: 458 - 1988 with rubber ring / collars and butt ends prepared for collar joints including providing & jointing with cement mortar 1:1 proportion (jointing shall be as per IS:783-1985) including cost of all jointing material including collars / rubber ring, labour required and handling, hoisting and making joints, curing the joints including hydraulic testing refilling of trench etc. complete.				
	a) 100 mm dia.	R.M.	475.00	460.00	430.00
	b) 150 mm dia.	R.M.	530.00	510.00	490.00
	c) 200 mm dia.	R.M.	710.00	690.00	660.00
	d) 250 mm dia.	R.M.	990.00	960.00	930.00
	e) 300 mm dia.	R.M.	1195.00	1150.00	1100.00
	f) 350 mm dia.	R.M.	2460.00	2410.00	2330.00
	g) 400 mm dia.	R.M.	2810.00	2730.00	2675.00
	h) 450 mm dia.	R.M.	2910.00	2840.00	2740.00
	i) 500 mm dia.	R.M.	3450.00	3370.00	3280.00
	j) 600 mm dia.	R.M.	3910.00	3790.00	3645.00
	k) 700 mm dia.	R.M.	5605.00	5470.00	5300.00
	l) 800 mm dia.	R.M.	6896.00	6740.00	6545.00
	m) 900 mm dia.	R.M.	7490.00	7350.00	7140.00
	n) 1000 mm dia.	R.M.	8440.00	8190.00	7925.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
Dr/B/6	Providing at the site of work & lowering, laying in prepared trenches to the required grade & level, and jointing R.C.C. pressure pipe P3 class conforming to IS:458 - 1988 with rubber rings collars and butt ends prepared for collar joints including providing & jointing with cement mortar 1:1 proportion (jointing shall be as per IS:783-1985) including cost of all jointing material including collars, rubber ring etc labour required and handling, hoisting and making joints, curing the joints including hydraulic testing etc complete.				
	a) 100 mm dia.	R.M.	500.00	480.00	450.00
	b) 150 mm dia.	R.M.	550.00	530.00	510.00
	c) 200 mm dia.	R.M.	740.00	720.00	690.00
	d) 250 mm dia.	R.M.	1030.00	995.00	975.00
	e) 300 mm dia.	R.M.	1240.00	1190.00	1145.00
	f) 350 mm dia.	R.M.	2550.00	2500.00	2420.00
	g) 400 mm dia.	R.M.	2890.00	2810.00	2750.00
	h) 450 mm dia.	R.M.	3000.00	2925.00	2820.00
	i) 500 mm dia.	R.M.	3520.00	3435.00	3345.00
	j) 600 mm dia.	R.M.	3990.00	3865.00	3715.00
	k) 700 mm dia.	R.M.	5710.00	5570.00	5400.00
	l) 800 mm dia.	R.M.	7010.00	6870.00	6675.00
Dr/B/7	Providing at site of work and lowering, laying & jointing HDPE pipe of outer diameters confirming to IS: 14333-1996 in prepared trenches to required grade & level including cost of jointing material, chemicals, labour required for handling & making joints etc. including hydraulic testing of pipes etc. complete. ( Grade PE-80 )				
	1) 110 mm dia. 4 Kg/cm <sup>2</sup> .	R.M.	381.00	370.00	360.00
	2) 110 mm dia. 6 Kg/cm <sup>2</sup> .	R.M.	535.00	530.00	525.00
	3) 110 mm dia. 10 Kg/cm <sup>2</sup> .	R.M.	825.00	810.00	790.00
	4) 125 mm dia. 4 Kg/cm <sup>2</sup> .	R.M.	486.00	480.00	475.00
	5) 125 mm dia. 6 Kg/cm <sup>2</sup> .	R.M.	693.00	685.00	680.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
	6) 125 mm dia. 10 Kg/cm <sup>2</sup> .	R.M.	1060.00	1045.00	1020.00
	7) 160 mm dia. 4 Kg/cm <sup>2</sup> .	R.M.	797.00	780.00	775.00
	8) 160 mm dia. 6 Kg/cm <sup>2</sup> .	R.M.	1130.00	1120.00	1110.00
	9) 160 mm dia. 10 Kg/cm <sup>2</sup> .	R.M.	1700.00	1690.00	1670.00
	10) 180 mm dia. 4 Kg/cm <sup>2</sup> .	R.M.	1001.00	985.00	975.00
	11) 180 mm dia. 6 Kg/cm <sup>2</sup> .	R.M.	1425.00	1410.00	1400.00
	12) 180 mm dia. 10 Kg/cm <sup>2</sup> .	R.M.	2075.00	2055.00	2020.00
	13) 200 mm dia. 4 Kg/cm <sup>2</sup> .	R.M.	1240.00	1220.00	1210.00
	14) 200 mm dia. 6 Kg/cm <sup>2</sup> .	R.M.	1756.00	1750.00	1740.00
	15) 200 mm dia. 10 Kg/cm <sup>2</sup> .	R.M.	2700.00	2675.00	2625.00
	16) 250 mm dia. 2.5 Kg/cm <sup>2</sup> .	R.M.	1255.00	1250.00	1240.00
	17) 250 mm dia. 3.2 Kg/cm <sup>2</sup> .	R.M.	Deleted	Deleted	Deleted
	18) 355 mm dia. 2.5 Kg/cm <sup>2</sup> .	R.M.	2519.00	2500.00	2480.00
	19) 355 mm dia. 3.2 Kg/cm <sup>2</sup> .	R.M.	Deleted	Deleted	Deleted
	20) 400 mm dia. 2.5 Kg/cm <sup>2</sup> .	R.M.	3283.00	3280.00	3270.00
	21) 400 mm dia. 3.2 Kg/cm <sup>2</sup> .	R.M.	Deleted	Deleted	Deleted
	22) 400 mm dia. 4.0 Kg/cm <sup>2</sup> .	R.M.	5017.00	5000.00	4980.00
	23) 500 mm dia. 2.5 Kg/cm <sup>2</sup> .	R.M.	5094.00	5080.00	5060.00
	24) 500 mm dia. 3.2 Kg/cm <sup>2</sup> .	R.M.	Deleted	Deleted	Deleted
	25) 500 mm dia. 4.0 Kg/cm <sup>2</sup> .	R.M.	7837.00	7820.00	7800.00
	26) 560 mm dia. 2.5 Kg/cm <sup>2</sup> .	R.M.	6383.00	6350.00	6310.00
	27) 560 mm dia. 3.2 Kg/cm <sup>2</sup> .	R.M.	Deleted	Deleted	Deleted
	28) 560 mm dia. 4.0 Kg/cm <sup>2</sup> .	R.M.	9820.00	9780.00	9750.00
	29) 630 mm dia. 2.5 Kg/cm <sup>2</sup> .	R.M.	8060.00	8020.00	7980.00
	30) 630 mm dia. 3.2 Kg/cm <sup>2</sup> .	R.M.	Deleted	Deleted	Deleted
	31) 630 mm dia. 4.0 Kg/cm <sup>2</sup> .	R.M.	12385.00	12350.00	12300.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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<b>Item No</b>	<b>Item</b>	<b>Unit</b>	<b>Mumbai</b>	<b>Pune</b>	<b>Nagpur</b>
Dr/B/8	Conveying HDPE Pipes to site of work from MIDC stores, lowering, laying and jointing HDPE pipes (Conforming to IS-4984-1987) in prepared trenches to required grade and level including cost of jointing material, chemicals, labour required for handling and making joint etc. including hydraulic testing of pipes etc. complete (excluding cost of pipe.)				
	a) 110mm dia	R.M.	80.00	75.00	75.00
	b) 125mm dia.	R.M.	100.00	95.00	90.00
	c) 160mm dia.	R.M.	150.00	145.00	143.00
	d) 180mm dia.	R.M.	220.00	210.00	205.00
	e) 200mm dia.	R.M.	270.00	250.00	248.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
<b>Drainage-C- Manholes</b>					
Dr/C/1	Providing & constructing manhole chamber of following size in B.B. masonry 2nd class of 230 mm thick upto 1.5 m depth and 350 mm thick below 1.5 m depth in cement mortar 1:3, with foundation concrete 200 mm thick in C.C. 1:4:8, and benching top R.C.C. slab of 150 mm thick in C.C. 1:2:4, plastered on both faces in cement mortar 1:3, 20 mm. thick finished with neat float, including curing, cost of all labour, material, loading, unloading and transportation charges of material, including providing & fixing in position RCC precast cover, 75 mm thick with requisite reinforcement and frame. including providing & fixing in position CI steps etc. complete. (Excluding the cost of excavation and including dewatering if required)				
	a) Manhole Chamber 800 mm x 800 mm x 500 mm deep (Internal Size)	No.	5360.00	5175.00	5140.00
	b) Manhole Chamber 1200 mm x 900 mm x 1000 mm deep (Internal Size)	No.	7980.00	7610.00	7570.00
Dr/C/2	Constructing circular type manhole chamber of specified diameter and size in B.B. masonry 230 mm thick in cement mortar 1:3 upto 1.50 depth, & 350 mm thick below 1.50 depth, including foundation concrete 200 mm thick, & top R.C.C. slab 150 mm thick in grade C.C. M-15, inside plaster. 20 mm thick in cement mortar 1: 3 with sulphur resistant cement finished with a floating coat of neat cement, & pointing in cement mortar 1:2 above crown level, and providing channels in C.C. M –15 & finished smooth complete curing testing etc. complete in B.B. masonry 230 mm thick in cement mortar 1:3 upto 1.5 m depth & 350 mm thick below 1.50 m depth including 600 mm internal diameter R.C.C. precast cover 100 mm thick with requisite reinforcement & frame etc complete (excluding excavation but including dewatering) for pipes upto 600 mm dia.				
	a) Circular type Manhole 1.4 m dia x 2.5 m depth (Internal Size)	No.	20050.00	19700.00	19000.00
Dr/C/3	Add or deduct for every additional depth of 0.3 m. more or less than total depth given in above item				
	Dr / C / 1 & 2, as the case may be.	0.3m	1325.00	1260.00	1205.00



**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
Dr/C/4	Providing & constructing sand cast drop connections externally for 600 mm drop from branch sewer manhole chamber to main sewer chamber including inspection & cleaning eye with chain & lid, C.I. drop pipe & bend encased all round with C.C. 1:2:4 with all centering & shuttering required, calling taking holes in walls & making good in brick masonry in C.M. 1:3 plastered with cement mortar 1:3, 20 mm thick including curing, lead caulked joints for C.I. pipe & fittings, stiff cement mortar 1:1 for C.I. & S.W. pipe joints required channels etc. complete (excluding excavation).				
	a) 100 mm dia C.I. drop connection.	No.	3450.00	3270.00	3090.00
	b) 150 mm dia C.I. drop connection	No.	4850.00	4650.00	4545.00
Dr/C/5	Providing & constructing R.C.C. M 35 spun vent shaft with cowl 140 mm. & 200 mm. internal and external diameters respectively at top, and 300 mm. & 450 mm. internal and external diameters respectively at bottom, 7.20 m overall height, 1.25 m below ground level in a pit of 900 mm x 900 mm. x 1500 mm. with 250 mm. bed concrete in C.C. 1:2:4, & 200 mm. thick encasing allround in C.C. 1:2:4, junction of ventshaft and concrete grouted with CM 1:1 including making connection with sewer manhole with 150 mm. dia R.C.C. pipe of & required length upto 3.00 m etc. complete. (Excluding excavation)	No.	13460.00	13160.00	12670.00
Dr/C/6	Providing and constructing Acid / Alkali resistant brick lining including cost of brick (Acid resistant), other materials such as bitumen, primer, furren resin mortar, pottasium silicate mortar, including all required labour charges etc. complete.	Sq.M.	1750.00	1720.00	1680.00
Dr/C/7	Removing the sludge from effluent sump or from any other ancillary structure such as screen and grit chambers, by mechanical means or manually for all depths. Lift and lead upto 100 m from the edge of sump or structure including stacking the sludge as directed. Item includes cost of all mechanical equipments, labour, fuel, safety devices, tools and plants.	Cu.M.	330.00	310.00	308.00

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
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Item No	Item	Unit	Mumbai	Pune	Nagpur
Dr/C/8	Providing placing LDPE 0.3 mm thick sheet, in the pit, to recycle the sludge. The sheet should be provided at bottom and four sides of pit. The weight of sheet should not be less than 250 gms/m <sup>2</sup> and the LDPE sheet should be conforming to IS3395.1997.	Sq.M.	33.00	31.00	31.00
Dr/C/9	Removing and cleaning choke up of drainage lines of all diameters by mechanical means or manually for all depths including necessary, excavation, dewatering, tools plants, machinery, labour, safety devices, shoes and hand gloves to labour, rope, ladder, disposing the waste removed from drainage lines to a suitable place within 100 m lead etc. complete.	R.M.	16.00	14.00	13.00
Dr/C/10	Removing choke up and cleaning of drainage manhole chambers of 1.00 m and 1.20 m (inside) dia of all depths using mechanically means or manually including dewatering, using all labour, machinery, safety devices, shoes and hand gloves to labour, rope, ladder, disposing the waste to a suitable place within 100 m etc. complete.	No.	404.00	350.00	330.00
Dr/C/11	Treatment of Hazardous Waste as per the Hazardous Waste (management & handling) Rules 1989 and amended rules 2000 at C H W T S D F at Taloja.				
	a) Variable transportation rates(Rs. Per km per MT)	MT/KM	3.75	3.50	3.50
	b) Treatment storage and disposal costs-				
	i) Direct Landfill disposal rates per MT (excluding transportation charges).	M.T.	952.00	930.00	900.00
	ii) Treatment charges per MT (for treatment before landfilling and / or incineration, excluding power, fuel, chemical and transportation charges).	M.T.	150.00	150.00	145.00
	iii) Incineration rates per MT	M.T.	6950.00	6950.00	6950.00
Dr/C/12	Providing and fixing 6 to 8mm thick Acid/Alkali resistant rough granamite tile of size 150mm x 150mm or 300mm x 300mm with epoxy joints in floors and walls etc. complete. <b>Note:-</b> To be used inside for Alum tanks, lime tanks, screen and grit chambers, drainage sump only.	Sq.M.	1950.00	1900.00	1854.00