

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
		<b>DISMANTLING &amp; DEMOLISHING</b>				
1	15.2/P-226	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.				
	15.2.2/P-226	1:4:8 or leaner mix.	100.00	cum	226.90	22690.00
2	15.3/P-226	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	422.00	cum	537.55	226846.10
3	15.7/P-226	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	15.7.4	In cement mortar.	214.00	cum	310.75	66500.50
4	15.9/226	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge:				
	15.9.2/P-226	In cement mortar	50.00	cum	370.75	18537.50
5	15.17/P-227	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in:				
	15.17.1	R.S. Joints	6000.00	kg	0.50	3000.00
	15.17.2	Channels, angles, tees and flats	12000.00	kg	0.35	4200.00
6	15.19/P-228	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	2000.00	kg	0.60	1200.00
7	15.28/P-228	Dismantling roofing including ridges, hips valleys and gutters, etc., and stacking the material within 50 metres lead of:				
	15.28.1	G.S. sheet	225.00	sqm	24.70	5557.50
	15.28.2	Asbestos sheet	3200.00	sqm	11.75	37600.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
		<b>EARTH WORK &amp; JUNGLE CLEARANCE</b>				
8	2.31/P-68	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees & saplings of girth up to 30 cm measured at a height of 1m above ground level & removal of rubbish upto a distance of 50m outside periphery of the area cleared.	4800.00	100 Sqm	263.90	12667.20
9	2.33/P-68	Felling trees of the girth(measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots & stacking of serviceable material and disposal of unserviceable material.				
	2.33.1	Beyond 30cm girth up to & including 60cm girth	12.00	Each	81.70	980.40
	2.33.2	Beyond 60cm girth up to & including 120 cm girth	8.00	Each	359.80	2878.40
10	2.6/P-64	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m; disposed earth to be levelled and neatly dressed.				
	2.6.1	All kinds of soil.	6100.00	cum	101.85	621285.00
11	2.7/P-64	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed:				
	2.7.1	<b>Ordinary rock.</b>	1800.00	cum	152.60	274680.00
	2.7.2	<b>Hard Rock (requiring blasting)</b> NOTE: The item is meant for excavation either inside & out side the block within factory premises, hence blasting is to be carried in a controlled manner adopting all the safety measures conforming to IS codes to avoid damage to property of BHEL, adjoining structures/Facilities.	2600	cum	252.20	655720.00
	2.7.3	<b>Hard Rock (blasting prohibited).</b>	100.00	cum	325.25	32525.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
12	2.8/P-64	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.8.1	All kinds of soil.	750.00	cum	103.40	77550.00
13	2.9/P-65	Excavation work in foundation trenches or drains not exceeding 1.5m in width or 10sq.m. on plan including dressing of sides and ramming of bottoms, lifts upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50m.				
	2.9.1	Ordinary Rock	600.00	Cum	162.65	97590.00
	2.9.2	<b>Hard rock (requiring blasting)</b> NOTE: The item is meant for excavation either inside & out side the block within factory premises, hence blasting is to be carried in a controlled manner adopting all the safety measures conforming to IS codes to avoid damage to property of BHEL, adjoining structures/Facilities	100.00	Cum	272.95	27295.00
	2.9.3	<b>Hard Rock (blasting prohibited).</b>	50.00	cum	332.45	16622.50
14	2.10/P-65	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m				
	2.10.1	All kinds of soil				
	2.10.1.3	Pipes, cables, etc. exceeding 300 mm dia but not exceeding 600 mm dia.	300.00	Metre	179.65	53895.00
15	2.11/P-65	Extra for excavating trenches for pipes, cables, etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth up to 1.5 metre.)	150.00	metre	238.93	35839.50
		Note- 133% of basic rate=179.65 x 133%=238.93				

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
16	2.13/P-65	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets, depth upto 1.5m including getting out the excavated materials, returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. stacking serviceable materials for measurement & disposal of unserviceable material as directed, within a lead of 50 m :				
	2.13.1	Ordinary Rock:				
	2.13.1.3	Pipes, cables, etc. exceeding 300 mm dia but not exceeding 600 mm dia.	200.00	Metre	285.50	57100.00
17	2.24/P-67	Extra rate for quantites of excavation work, executed:				
	2.24.1	In or under water and/or liquid mud including pumping out water as required.	<b>Note-</b> The unit namely ,metre depth, to be considered for payment, shall be the depth measured from the sub soil wtaer level up to the centre of gravity of the quantity executed in difficult conditions. The depth shall be reckoned correct to 0.1 metre, 0.05 metre or more shall be taken as 0.1 metre and less than 0.05 metre ignored.			
		All kinds of soil	200.00	metre depth	20.37	4074.00
		Ordinary Rock	400.00	metre depth	30.52	12208.00
		Hard rock (requiring blasting)	410.00	metre depth	50.44	20680.40
		Hard Rock (blasting prohibited).	325.00	metre depth	65.05	21141.25
18	2.25/P-67	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations, etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5m	1500.00	cum	45.70	68550.00
19	2.26/P-67	Extra for every additonal lift of 1.5 m or part thereof in. ( For Excavation)				
	2.26.1	All kinds of soil.	1000.00	cum	18.90	18900.00
	2.26.2	Ordinary or hard rock.	2300.00	cum	33.85	77855.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
		<b>CARRIAGE OF MATERIALS</b>				
20	1.1/P-54	Carriage of material by mechanical transport including loading, unloading & stacking				
	1.1.1	Lime, moorum, building rubbish (upto 1 km)	600	Cum	39.53	23718.00
	1.1.2	Earth (upto 1 km)	3100	cum	49.42	153202.00
	1.1.4	Excavated rock (upto 1 km)	1000	cum	79.07	79070.00
	1.1.11	Steel (upto 1 km)- Dismantled steel	20	MT	35.14	702.80
	1.1.1	Lime, moorum, building rubbish (upto 2 km)	200	Cum	45.13	9026.00
	1.1.2	Earth (upto 2 km)	600	cum	56.41	33846.00
	1.1.4	Excavated rock (upto 2 km)	250	cum	90.25	22562.50
	1.1.11	Steel (upto 2 km)- Dismantled steel	5	MT	40.11	200.55
		<b>CONCRETE WORK</b>				
21	4.1/P-79	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering all works up to plinth level. (Note:- Cement will be issued free of cost by BHEL)				
	4.1.2	1:1.5:3(1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size ).	65.00	cum	1539.10	100041.50
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ).	100.00	cum	1584.85	158485.00
	4.1.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size ).	800	cum	1641.17	1312936.00
22	4.2/P-79	Providing and laying cement concrete in retaining walls, return walls,walls ( any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. up to floor five level, excluding the cost of centering, shuttering and finishing: (Note:- Cement will be issued free of cost by BHEL)				
	4.2.2/P-80	1:1.5 :3 (1 cement : 1 1/2 coarse sand : 3 graded stone aggregate 20 mm nominal size ).	350.00	cum	1860.75	651262.50

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
23	4.12/P-81	Extra for providing and mixing water proofing material in cement concrete work @ 1 kg per 50 kg of cement. Note:- Water proofing material should be of Pidilite, Dr. Fixit, Sika or equivalent make as approved by Engineer in Charge.	39419.00	per bag of cement	27.45	1082051.55
24	4.15/P-82	Extra for laying PCC/RCC in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.	3410.00	cum. per metre depth	180.75	616357.50
		<b>FORMWORK</b>				
25	5.9/P-89	Centering and shuttering including strutting, propping, etc. and removal of form for:				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	3000.00	sqm	119.25	357750.00
	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, etc.	3500.00	sqm	180.40	631400.00
	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	100.00	sqm	187.35	18735.00
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	700.00	sqm	162.65	113855.00
	5.9.6	Columns, pillars, piers, abutments, posts and struts.	600.00	sqm	238.40	143040.00
		<b>STEEL REINFORCEMENT</b>				
26	Rate Analysis	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete but <b>(excluding cost of reinforcement steel which will be issue free of cost by BHEL).</b>				
		Thermo-Mechanically treated bars	335000	Kg	4	1340000.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
		<b>REINFORCED CEMENT CONCRETE</b>				
27	5.1/P-88	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level. (Note:- Cement will be issued free of cost by BHEL)				
	5.1.1	1 : 1 : 2 (1 cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size).	50.00	cum	1652.83	82641.50
	5.1.2	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	100.00	cum	1641.30	164130.00
		<b>PRE-CAST RCC</b>				
28	5.12/P-90	Providing, hoisting and fixing upto floor five level precast Reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering, finishing smooth with 6 mm thick cement plaster 1 : 3 (1 cement : 3 fine sand) on exposed surfaces complete, but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 grades stone aggregate 20 mm normal size). (Note:- Cement will be issued free of cost by BHEL)	31.00	cum	2896.09	89778.79

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
		<b>DESIGN MIX CONCRETE</b>				
29	5.33/P-93	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade or Reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centering,shuttering, finishing and reinforcement. including Admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strenght and durability as per direction of Engineer- in - charge. M-25 grade reinforced cement concrete by using 410 kg. of cement per cum of concrete.All work up to floor V level. (Note:- Cement will be issued free of cost by BHEL)	1200	cum	2004.45	2405340.00
30	5.34/P-93	Add or deduct for providing richer or leaner mixes respectively at all floor levels.				
	5.34.1	Providing M-30 grade concrete by using 420 kg of cement per cum of concrete instead of M-25 grade B.M.C./R.M.C.(Note:- Cement will be issued free of cost by BHEL).	100.00	cum	2006.75	200675.00
31	Rate Analysis	Add or deduct for providing richer or leaner mixes respectively at all floor levels.				
	Rate Analysis	Providing M-20 Grade concrete by using 383 kg of cement per cum of concrete instead of M-25 grade BMC/Rmc (Note:- Cement will be issued free of cost by BHEL).	2350	cum	1998.25	4695887.50



## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
		<b>BRICK WORK</b>				
32	6.15/P-100	Extra for providing and placing in position 2 nos. 6mm dia. M.S. bars at every third course of half brick masonry (with F.P.S bricks).(Steel is Free issue from BHEL). <b>Labour rate</b>	150.00	sqm	0.28	42.00
33	6.24/P-101	Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc., complete.	40.00	cum	180.75	7230.00
		<b>Note:-</b> The quantity will be calculated by multiplying the depth measured from sub-soil water level up to the centre to gravity of brick work under sub-water with the quantity of brick work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, 0.05m or more shall be taken as 0.1 m and less than 0.05m ignored.				
		<b>STONE WORK</b>				
34	7.6/P-109	Coursed rubble masonry (first sort) with hard stone in foundation and plinth with: <b>(Note:- Cement will be issued free of cost by BHEL)</b>				
	7.6.1	Cement mortar 1: 6 ( 1 cement : 6 coarse sand )	200.00	cum	1630.69	326138.00
		<b>FLOORING</b>				
35	11.4/P-172	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener concrete consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume.hardening compound is mixed @ 2 litre per 50 kg of cement or as per manufactures specifications. This includes cost of nosing of steps etc. complete. <b>(Note:- Cement will be issued free of cost by BHEL)</b>	5500.00	sqm	165.81	911955.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
36	11.6/P-172	Cement plaster skirting (up to 30 cm height) with cement mortar 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement: <b>(Note:- Cement will be issued free of cost by BHEL)</b>				
	11.6.1	18 mm thick.	120.00	sqm	95.33	11439.60
37	11.26/P-176	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand): <b>(Cement free issue by the Deptt.)</b>				
	11.26.1	25 mm thick.	60.00	sqm	616.47	36988.20
38	11.27/P-176	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. <b>(Cement free issue by the Deptt.)</b>	25.00	sqm	604.93	15123.25
39	11.36/P-177	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of Cement Mortar 1:3 (1 Cement :3 Coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. <b>(Cement free issue by the Deptt.)</b>	100.00	sqm	491.68	49168.00
40	11.37/P-177	Providing and laying Ceramic glazed non skid floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours, such as White, Ivory, Grey, Fume, Red Brown, laid on 20mm thick Cement Mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete. <b>(Cement free issue by the Deptt.)</b>	100.00	Sqm	533.73	53373.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
	(N)	<b>FINISHING</b>				
41	13.4/P-201	12mm Cement plaster of mix : (Note:- Cement will be issued free of cost by BHEL)				
	13.4.1	1:4 (1-Cement:4-coarse sand)	1500.00	Sqm	53.96	80940.00
42	13.6/P-201	20 mm cement plaster of mix: (Note:- Cement will be issued free of cost by BHEL)				
	13.6.1	1 : 4 (1 cement : 4 coarse sand).	1500.00	sqm	73.77	110655.00
43	13.16/P-202	6 mm cement plaster of mix: (Note:- Cement will be issued free of cost by BHEL)				
	13.16.1	1 : 3 (1 cement : 3 fine sand).	100.00	sqm	42.97	4297.00
44	13.18/P-202	Neat cement punning. (Note:- Cement will be issued free of cost by BHEL)	100.00	sqm	9.90	990.00
45	13.28/P-203	12 mm thick cement mortar bands of 10 cm width in cement mortar 1 : 4 (1 cement : 4 fine sand) -(Note:- Cement will be issued free of cost by BHEL)				
	13.28.3	Raised Band	300.00	Rm	13.50	4050.00
46	13.42+13.43/P-204	Distempering with 1st Quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete as per manufacturer's specification including applying one coat of cement primer base of approved brand & manufacture on wall surface. (interior finishing)				
	13.42.1+13.43.1	Two or more coats on new work	1500.00	sqm	40.75	61125.00
47	13.47/P-205	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives "Snowcryn-XT" of M/s. Snowcem India Ltd., or equivalent of required shade.				
	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm. over and including base coat of water proofing cement paint Snowcem plus or equivalent applied @ 2.20 kg/ 10 sqm).	1500.00	Sqm	60.10	90150.00
48	13.61/P-206	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: On steel Work				

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
	13.61.1	Two or more coats on new work.	100.00	sqm	33.25	3325.00
49	13.52/P-206	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete:				
	13.52.2	On Concrete work of Walls, floor etc.	300.00	sqm	77.75	23325.00
		<b>WATER SUPPLY</b>				
50	18.10 P/292	Providing and fixing G.I. pipes complete with G.I. fittings & clamps, including cutting and making good the walls etc. <b>INTERNAL WORK- Exposed on Wall (Note:- Cement will be issued free of cost by BHEL)</b>				
	18.10.2	20 mm dia. Nominal bore	50.00	Rmt	102.49	5124.50
	18.10.3	25 mm dia. Nominal bore	50.00	Rmt	143.06	7153.00
51	18.11/P-	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall:				
	18.11.1	a) 15 mm dia nominal bore.	150	mtr	144.75	21712.50
	18.11.2	b) 20 mm dia nominal bore.	100	mtr	170.15	17015.00
52	18.49/P-300	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931:				
	18.49.1	15 mm nominal bore.	10	Each	207.00	2070.00
53	18.50/P-300	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
	18.50.1	15 mm nominal bore.	4	Each	262.05	1048.20
54	18.51/P-300	Providing and fixing C.P.Brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
	18.51.1	15 mm nominal bore	4	Each	253.95	1015.80

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
55	18.58/P-301	Providing and fixing PTMT grating of approved quality and colour.				
	18.58.1	Circular type:				
	18.58.1.1	100 mm nominal dia.	12	Each	39.70	476.40
56	18.63/P-302	Providing and fixing PTMT angle stop cock 15 mm nominal bore. Weighing not less than 85 gms.	20	Each	148.75	2975.00
57	18.56/P-301	Providing and fixing PTMT pillar cock of approved quality and colour.				
	18.56.2	15 mm nominal bore, 125 mm long flow, weighing not less than 120 gms.	10	each	266.55	2665.50
		<b>DRAINAGE</b>				
58	19.1/P-315	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1 : 1 (1 cement : 1 fine sand) including testing of joints, etc. complete.(Cement free issue by the Deptt.)				
	19.1.2	150 mm diameter.	100	mtr	134.77	13477.00
59	19.3/P-315	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand :10 graded stone aggregate 40 mm nominal size ) up to haunches of S.W. pipes including bed concrete as per standard design:				
	19.3.2	150 mm diameter S.W. pipes	100.00	metre	177.64	17764.00
60	19.4/P-315-316	Providing and fixing square - mouth S.W.Gully trap grade "A" complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design (Cement free issue by the Deptt.)				
	19.4.2	a) 150 x 100 mm size P Type				
	19.4.2.1	With FPS bricks class designation 50	4	Each	826.05	3304.20
	19.4.3	b) 180x150mm size P type.				
	19.4.3.1	With FPS bricks class designation 50	12	Each	906.08	10872.96

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
61	19.6/P-316	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1 : 2 (1 cement : 2 fine sand) including testing of joints etc., complete:				
	19.6.4	300 mm diameter RCC pipe.	50.00	Mtr	333.01	16650.50
	19.6.5	450 mm diameter RCC pipe.	60.00	Mtr	487.00	29220.00
	19.6.7	600 mm diameter RCC pipe.	30.00	Mtr	878.37	26351.22
		<b>WATER PROOFING</b>				
62	(22.1-22.13)/P-345	Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for underground structures as directed by Engineer-in-charge and consisting of:				
		I) 1st layer of 22mm to 25mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1 : 3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling paid course to be paid separately.) Joints sealed and grouted with cement slurry mixed with water proofing compound. II) 2nd layer of 25 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportions.				
	(22.1.1-22.13.2)	Using rough kota stone	400.00	sqm	350.49	140196.00
63	22.2/P-345	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportion with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1 : 3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge:				
	22.2.1	Using rough Kota stone	900.00	sqm	408.50	367650.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
64	22.4/P-346	Providing and placing in position suitable PVC water stops conforming to IS:12200 of Deep-Jyoti or equivalent for construction/expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:				
	22.4.1	Serrated with central bulb (225 mm wide, 811 mm thick)	200.00	metre	386.75	77350.00
65	4.11/P-81	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	230	Sqm	94.42	21716.60
		<b>MARBLE WORK</b>				
66	8.2/P-120	Providing and fixing 18 mm thick gang saw cut mirror polished ( premoulded and prepolished ) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1 : 4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.(Cement free issue by the Deptt.)				
		Granite of any colour and shade				
	8.2.2.2	Area of slab over 0.50 sqm	75.00	sqm	2513.86	188539.50
67	8.3/P-120	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc., complete as per design approved by Engineer-in-Charge.				
	8.3.2	Granite Work	150.00	mtr	97.60	14640.00
68	8.4/P-120	Extra for fixing marble/granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete.(Cement free issue by the Deptt.)	20.00	mtr	100.16	2003.20

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
69	8.5/P-120	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite /stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	6.00	each	151.00	906.00
70	8.10/P-121	Providing and fixing stone slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or cement concrete 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 6mm nominal size )as per direction of Engineer - in - charge and finished smooth.				
	8.10.2	Granite Stone of approved shade.	25.00	sqm	2595.00	64875.00
		<b>ANODISED ALUMINIUM FITTINGS</b>				
71	9.95/149	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than Grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws, etc. complete:				
	9.95.4	100x63x4 mm	43	Each	59.25	2547.75
72	9.96/149	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with nuts and screws, etc., complete.				
	9.96.2	250 x 16 mm.	20	Each	134.10	2682.00
73	9.97/P-149	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws, etc. complete:				
	9.97.2	250x10 mm.	20	Each	62.20	1244.00
74	9.100/P-150	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with necessary screws, etc. complete.				
	9.100.2	100 mm.	30	Each	35.30	1059.00



## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
75	9.117/P-152	Providing and fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance +/- 1mm) with wall thickness 2.0mm +/- 0.2mm , corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side verticle of the frames reinforced by galvanized M.S.tube of size 19 x 19mm and 1mm +/- 0.1mm wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge.				
	9.117.1	Extruded section profile size 48x40 mm.	60	mtr	141.00	8460.00
76	9.118/P-152	Providing and fixing to existing door frames 24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24 mm and wall thickness 2.0mm +/- 0.2mm with inbuilt edging on both sides .The styles and rails mitred and joined at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm stainless steel screws. The styles of shutter reinforced by inserting galvanized M.S.tube of size 20 x 20 mm and 1mm +/- 0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24 mm and 2 mm +/- 0.2 mm wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi - chambered single panel of size not less than 620 mm , having overall thickness of 20 mm and 1 mm +/- 0.1 mm wall thickness.				
	9.118.1/P-152	The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and as per direction of Engineer - in - charge.(For W.C. and bathroom door shutter).	30	sqm	2190.50	65715.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
		<b>STEEL WORK</b>				
77	10.26/ P-166	Providing and fixing hand rail by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer:				
	10.26.1	M.S. tube. (32mm dia- Medium Duty)	8000.00	kg	60.15	481200.00
78	10.6 / P-163	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5 cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters:				
	10.6.1	80 x 1.25 mm MS laths with 1.25 mm thick top cover.	50	Sqm	1206.62	60331.00
79	10.7/P-163	Providing and fixing ball bearing for rolling shutters.	6	Each	356.50	2139.00
80	10.8/P-163	Extra for providing mechanical device chain and crank operation for operating rolling shutters:				
	10.8.2	Exceeding 16.80 sqm in the area	50	Sqm	538.4	26920.00
		<b>RAIN WATER SPOUT AND PIPE</b>				
81	12.41/P-192	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion				
		(i) Single socketed pipes:				
	12.41.1	75 mm dia.	30	metre	95.00	2850.00
	12.41.2	110 mm dia.	30	metre	163.40	4902.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
82	12.42/P-192	Providing and fixing on wall face unplasticised-PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(Cement free issue by the Deptt.)				
		Bend 87.5 degree .				
	12.42.5.1	a) 75 mm bend.	9	Each	85.79	772.11
	12.42.5.2	b) 110 mm bend.	18	Each	131.59	2368.62
	12.42.3	2) Single tee with door.				
	12.42.3.1	a) 75x75x75 mm	10	Each	174.84	1748.40
	12.42.3.2	b) 110x110x110 mm.	20	Each	258.09	5161.80
	12.42.4	3) Single tee without door.				
	12.42.4.1	a) 75x75x75 mm.	10	Each	155.09	1550.90
	12.42.4.2	b) 110x110x110 mm.	15	Each	205.84	3087.60
	12.42.1	4) Coupler				
	12.42.1.1	a) 75 mm	10	Each	78.79	787.90
	12.42.1.2	b) 110 mm	20	Each	99.04	1980.80
	12.42.2	5) Single Pushfit Coupler				
	12.42.2.1	a) 75 mm	10	Each	98.54	985.40
	12.42.2.2	b) 110 mm	12	Each	136.24	1634.88
	12.42.6	6) Shoe (Plain).				
	12.42.6.1	a) 75 mm Shoe.	10	Each	149.64	1496.40
	12.42.6.2	b) 110 mm Shoe.	10	Each	260.49	2604.90
83	12.43/P-192	Providing and fixing unplasticised-PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1 : 4 (1 cement : 4 coarse sand) and making good the wall etc. complete:				
	12.43.1	75 mm.	30	each	79.50	2385.00
	12.43.2	110 mm.	30	each	96.90	2907.00
		<b>SANITARY INSTALLATIONS</b>				
84	17.1/P-263	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required:(Cement free issue by the Deptt.)				

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	4	each	2278.52	9114.08
85	17.2/P-263	Providing and fixing white vitreous china pedestal type water closet (European type WC pan) with seat and lid, 10 litre low level white PVC flushing cistern with manually controlled device (handle lever) , conforming to IS : 7231 , with all fittings & fixtures complete including cutting and making good the walls and floors wherever required. <b>(Cement free issue by the Deptt.)</b>				
	17.2.2	W.C. pan with ISI marked black solid plastic seat and lid.	2	Each	2097.32	4194.64
86	17.5/P-263	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS:2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required: <b>(Cement free issue by the Deptt.)</b>				
	17.5.3	Range of three half stall urinals with 10 litre P.V.C. automatic flushing cistern.	2	Each	7856.53	15713.06
	17.5.1	Single half stall urinals with 5 litre P.V.C. automatic flushing cistern	2	Each	3693.64	7387.28
87	17.70/P-274	Providing and fixing PTMT Bottle Trap for wash basin and sink.				
	17.70.2	Bottle trap 38mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 263 gms.	10	Each	395.25	3952.50
88	17.71/P-274	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	4	Each	164.65	658.60

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
89	17.73/P-274	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour.				
	17.73.2	600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190 gms.	4	Each	329.50	1318.00
90	17.32 / P-267	Providing & fixing mirror of superior glass ( of approved quality ) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
	17.32.2	Rectangular shape 453x357 mm	4	Each	465.10	1860.40
		<b>ALUMINIUM WORK</b>				
91	21.1/P-337	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately).				
	21.1.1	For fixed portion.				
	21.1.1.2	Powder coated Aluminium (minimum thickness of powder coating 50 micron).	60	kg	306.30	18378.00
92	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC/neoprene gasket required (Fittings shall be paid for separately.)				
	21.1.2.2	Powder coated Aluminium (minimum thickness of powder coating 50 micron).	60	kg	326.60	19596.00

## SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.						
S. No	Code	DESCRIPTION	Qty	Unit	Rate	Amount
93	21.2/P-337	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 , Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass/stainless steel screws, etc. complete as per architectural drawings and directions of engineer-in-charge:				
	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	7.2	sqm	776.05	5587.56
94	21.3/P-338	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item.)				
	21.3.2	With float glass panes of 5.5 mm thickness	7.2	sqm	673.55	4849.56
95	21.4/P-338	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in charge.				
	21.4.1	With Stainless Steel cover plate.	4	each	1733.50	6934.00
					<b>Total</b>	<b>20699014.21</b>

**Note:- Rates to be quoted in Percentage above/below/at Par on Total Value of this Annexure in numerals as well as words.**