

SCHEDULE-A

Name of work: Construction of Press shop extension towards south side including Machine foundations.					
S.No	DESCRIPTION	Qty	Unit	Rate to be Quoted By Contractor	Amount
				(Rs.)	(Rs.)
1	Dismantling rammed boulder stone aggregate, stone chippings of any size and blinding material moorum, stone dust from machine foundations, under floors including stacking of serviceable material at site and disposal of unserviceable material up to 50 meter lead and 1.5 meter lift. Disposed material to be levelled and neatly dressed.	130	Cum		
2	Dismantling manually/ by mechanical means including stacking of serviceable material & disposal of unserviceable material within 50mt. Lead as per direction of Engineer-in- Charge				
	1. Water bound macadam road	100.00	Cum		
	2. Bituminous road (Note:- This Item include dismantling of bituminous road top layer & underlying Layer)	280.00	Cum		
3	Supplying and filling in plinth with Narmada sand under floors including watering, ramming, consolidating and dressing complete.	200.00	Cum		
4	Providing & laying of Moorum & stone aggregate 90-63 mm nominal size including consolidating, watering etc complete. (The compacted thickness of each layer should be restricted to 100 mm only).	1800.00	Cum		
5	Boulder/Gravel (from excavated hard rock etc.)filling of size 150-45mm & downgrading as directed by Engineer-in Charge around Machine Foundation (Labour Rate only including breaking of boulder in size)	500.00	Cum		
6	Brick work with FPS bricks of class designation 50 in plinth & foundation in cement mortar 1:6 (1 cement: 6 coarse sand) (Note:- Cement will be issued free of cost by BHEL)	75	cum		
7	Brick work with FPS bricks of class designation 50 in super structure above plinth i.e. upto floor five level in cement mortar 1:6 (1 cement: 6 coarse sand) (Note:- Cement will be issued free of cost by BHEL)	320	cum		
8	Half brick masonry with FPS bricks of class designation 50 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand). (Note:- Cement will be issued free of cost by BHEL)	150	Sqm		

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9	Supplying & fixing in position PVC pipes of 6 kgs/sq cm series of supreme make or equivalent with fittings for rainwater disposal with required type of Clamps, jointing pipes with solvent cement complete. For Fabrication of Clamps steel shall be issue free of charge from BHEL & no separate payment for fabrication of Clamp will be admissible.				
	160mm dia	1000.00	Rmt		
	200mm dia	1000.00	Rmt		
10	Supplying & fixing in position foundation bolt of all length including nuts & washers complete as per the satisfaction of Engineer in Charge. Dia of Bolt-25-65mm	15000.00	kg		
11	Providing and fixing motorized arrangement with limit switches & electric system complete having electrically operated arrangement for opening & closing of Rolling Shutter as per requirement of size shutter and as direction by Engineer in charge	2	Set		
12	Injection grouting of PCC/RCC structure/foundation using pressure gun of minimum pressure 4 kg/cm including providing & fixing nipple 15mm dia suitable length of Aluminium/PVC at specified spacing on PCC/RCC surfac with cement slurry with water proofing material to be mixed with cement in prepared in specified by manufactures (SIKA, PIDLITIE, EQUIVALENT) complete including all tools, tackles, material labour etc complete (only cement shall be issued free of charge from BHEL) . As direction by Engineer in charge.	1000	per Nipple		
13	Labour rate for adding Recron 3S reinforced fibre in cement concrete/RCC as per the manufacturer's instruction (Recron fibre will be supplied by BHEL)	39419	per bag of cement		
14	Providing & fixing wooden pockets for casting of foundation to get different shape.	300.00	each		
15	Providing & fixing in position 25mm thick bitumen impregnated fibre board conforming to IS 1838 including cost of primer, sealing compound in expansion joints.	200	sqm		

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S.No	DESCRIPTION	Qty	Unit	Rate to be Quoted By Contractor	Amount
16	Fabrication & Erection of temporary barricade with structural steel members in single/built up sections, fixing them with A.C./G.S. sheets along with all necessary fittings / fixtures for construction of machine foundation so as to prevent fouling of adjoining/ nearby areas with dirt/dust/earth e.t.c., followed by dismantling the above complete including dismantling & stacking with a lead of 50m.	200	Sqm		
17	Steel work for fabrication & placing in position embedment and inserts in RCC including cutting welding the anchor bar as per drawing and site requirement. The inserts made from the MS plate, angle or channel	10	MT		
18	Making opening/ straight, rectangular/circular cutting of any size and at any height in roofing and vertical cladding of non-asbestos corrugated or semi corrugated galvalume puff sheeting for passing of cable tray, water, gas, oil pipe lines including grinding of sharp edges complete. Note- This Item shall be payable only when if there is a subsequent change in location of opening after fixing of Puff Sheeting as per original Drawing.	160	Rmt		
19	Dismantling of profiled puff sheeting work in wall cladding and ceiling including stacking. The same within 50m lead with all tools, tackles, labour etc complete.	100	Sqm		
20	Labour rate for fixing of profiled puff sheeting in wall cladding and roofing including the cost of tapping screws including cutting the puff sheet to required shape and size with all tools, tackles, labour etc complete.	100	Sqm		
21	Pressure grouting below base plates, foundation bolts, including pockets with capital GP2 cement, SIKA grout 214 or equivalent including cleaning, vibrating, etc., complete. Mortar is to be machine mixed 1:1 by weight (1 part GP2 or SIKA grout 214 :1 part duly washed stone aggregate 6mm & down gauge. Minimum 200mm head of pressure.	30.00	Cum		

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S.No	DESCRIPTION	Qty	Unit	Rate to be Quoted By Contractor	Amount
22	Fabricating & fixing of MS sliding door with frame made out of channel box / angle box with necessary intermediate MS channels/flash angles with 2mm MS sheet both sides with MS channels at bottom and top for movement and guide supports with wheels as per standards with mechanized system for with motor operated sliding movement, including necessary fittings with locking arrangement .(The structural steel will be supplied by BHEL) all other cost are inclusive.	5000	Kgs		
23	Providing and fixing north/south light polycarbonate sheet of 4.5mm thickness with necessary aluminium channels and sections of 1.5mm thick with self drilling/self stitching fasteners at maximum 500mm c/c along the length of capping, clashing, complete as directed.	2400.00	Sqm		
24	Supply & fixing M.S Galvanised Gutters with 3mm thick M.S. Galvanised sheet of approximate wide 900mm in the required shape as per drawing of valley gutter with necessary riveting, welding and supports on steel bracket & sealing the space as required with external cladding as directed Structural steel work excluding gutter shall be paid for separately.	24000.00	Kg		

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S.No	DESCRIPTION	Qty	Unit	Rate to be Quoted By Contractor	Amount
25	Providing & fixing in position including fabricating and erecting structural steel works at all heights comprising sag rods floor beams, columns, girders, rails bracings, clamps, purlins with channels & angles, gutters with M.S. Plates, M.S. Flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates all bolts, nuts washers base plates anchor bolts etc., as per detailed drawings cutting welding and painting 2 coats of red oxide primer before erection & 2 coats of synthetic enamel paint of approved brand & colour after erection complete. Advani made electrodes or other approved make electrodes are to be used. All bolts nuts washers, gas, electrodes paints are in contractor's scope. Fabrication to be done as per I. S. Codes of latest revision. Structural Steel will be provided free of cost by BHEL. (Note:- The item includes cost of cutting, threading of sag rods etc.)				
	a) Only fabrication with free issue of Structural Steel by BHEL	1300000.00	Kgs		
	b) Only erection	1300000.00	Kgs		
26	Supplying & fixing of Puf insulated Sandwich panels made out of CFC free polyurethane foam (40mm tk and 45 kg/cum density) in between 2 metal sheets. Top sheets shall be Tracdek / Lloyddeck or or equivalent profiled sheets made out of 0.5 mm tk. total coat thickness (TCT), 550 MPA yield stress, galvalume material as per AZ 150 and having 20 microns PVF2 / SMP coating. Bottom sheet shall be plain 0.45 mm TCT, 240MPA polyester coated sheet with plain ribs. Panel 40 shall be fixed on to the purlin with self drilling fastners with EPDM vouchers and necessary over laps as per manufacture specifications and direction of Engineer - in - charge. Note:- Making opening as per required size/shape for lightning & for any other purpose complete.				
	for Roofing (any type of colour)	5408.00	Sqm		
	for cladding (any type of colour)	4000.00	Sqm		

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S.No	DESCRIPTION	Qty	Unit	Rate to be Quoted By Contractor	Amount
27	Providing & fixing with all accessories and Oval shape ivory colour counter top wash basin with CI/MS brackets 32mm C.P. Brass waste of standard pattern including painting of fittings and brackets cutting and making good the walls where ever required, make hindustan/ Parry ware/Cera as per instruction of Engineer in Charge)	4	Each		
28	Providing & fastening Chemical Capsule Anchoring in RCC members using HILTI, FISCHER or equivalent, adhesive capsule & Galvanised anchor rod steel grade 5.8 complete with nuts & washers including drilling holes of required dia & depth using hammer drill etc complete. To arrest dust & dirt generated during drilling operation, vaccum dust collector should be deployed. Area of operation should be cordon-off by making temporary enclosure for which enclosure material shall be supplied by BHEL free of cost. The rate should be inclusive of all material, labour. tools & tackles etc.complete except specified otherwise. The job is to be carried out by a authorized application only of the concerned company of which anchors are proposed.				
	M16 x 125	20	Each		
	M20 x 170	20	Each		
	M24 x 210	20	Each		
				TOTAL	

Note:- Rates to be quoted against each item and corresponding amount to be filled in the respective column. Total value of this annexure to be worked out & written in numerals as well as words.