

**CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY
(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)
Jorhat Assam 785 006**

**NAME OF WORK: Part (A) : CONSTRUCTION OF A BUILDING FOR STATE BANK OF INDIA, RRL, JORHAT BRANCH AT
NEIST, JORHAT**

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
1	Demolishing brickwork including stacking of serviceable materials and disposal of unserviceable materials as directed for all levels	Cum	17.83			
2.	Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels. (i) Area of door/window up to 3.00 m ²	Each	15.00			
3	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	Sqm	72.46			
4	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified. Up to a depth of 2.00m below the existing ground level. In ordinary soil	Cum	77.21			

Sub Total Rs.

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5	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. Brick on flat soling.	Sqm	442.83			
6	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level) ISI approved Mild steel reinforcement bar(M.S.Bar)	Qtl	55.85			
7	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in: Using 25mm thick plank	Sqm	562.36			

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8	<p>Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)</p> <p>Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level.</p> <p>In substructure up to plinth level</p> <p>M15 grade concrete or Prop. 1:2:4</p>	cum	31.40			
9	<p>Super-structure from plinth level upto 1st floor level. Walls including attached pillars, buttresses, plinth and string course etc. M15 or Prop 1:2:4</p> <p>In super structure from plinth level up to 1st floor level. M15 grade concrete or Prop. 1:2:4</p>	cum	29.41			
10	<p>Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed.</p> <p>In Sub-structure upto plinth level including dewatering if necessary. In proportion 1:4.</p>	Cum	116.25			

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11	Providing and laying 25mm thick damp proof course with cement concrete in prop 1:1.5:3 with graded stone agg. of 10mm down nominal size including providing approved damp proof admixture in proportion as recommended by the manufacturer including curing etc. complete as directed.	sqm	22.33			
12	Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary. With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.	Cum	220.48			
13	1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately) (A) 112mm thick brick wall (a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sqm	296.76			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
14	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. With 1st class timber (Bonsum/ Sundi)	Cum	0.43			
15	Providing fitting, hoisting and fixing of roof trusses including purlins fabricated using MS circular hollow section conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed. Using other ISI marked approved circular hollow section	Qtl	64.75			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
16	Providing Pre Painted Galvanized Iron Sheet Roofing (PPGI) at all levels including fitting and fixing with self drilling, self tapping screws complete. (Roof trusses, purlins etc. to be measured and paid separately.) TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Department 0.45 mm thick	Sqm	635.19			
17	Providing Pre Painted Galvanized Iron Sheet (PPGI) accessories (Ridges / Valley / Gutter /Flashing) at all levels including fitting and fixing self drilling, self tapping screws complete complete. TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Department 0.45 mm thick	RM	67.38			
18	Structural steel work in single sections including cutting, hoisting, fixing in position and applying a priming coat of red lead paint (up to 4.6m height) from plinth level including drilling holes, supplying, fitting and fixing with bolts and nuts or welding, if necessary as directed.					
	<p>a) In flat up to 25mm thickness In M.S. angles, channels, Tees etc.</p> <p>b) In M.S. angles, channels, Tees etc.</p>	Qtl	0.79			
		Qtl.	2.48			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
19	15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed. On rough side In cement mortar 1:3	Sqm	1251.80			
20	65 mm thick cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement :1 coarse sand : 2 coarse aggregate of size 10mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.	Sq.m	452.80			
21	Providing Ceramic Tiles of approved quality, size, shape and thickness not less than 8 mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with fix-A Tile Choksey/ Sika/ Pedelite/ Rouf/ White cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed (coloured pigment should be in conformity with colour of slab and as approved and directed by the Department). Normal range Somany/ Orient/Nitco /Asian Make Of size 300mmx300mm and above	Sq.m	11.52			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
22	Delux range Somany/ Orient/Nitco/Qutone Make Of size 600mmx600mm and above	Sq.m	436.29			
23	Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls). a) Normal range Somany/ Orient/Nitco/Asian Make ii) Of size 200mmx300mm and above	Sq.m	62.64			
24	Providing polished granite tiles of approved quality, size, shape and thickness not less than 18 mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department) (ii) With White cement	Sq.m	46.63			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
25	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevant I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws. b) Non decorative type and block board core. (i) 40 mm thick .	Sq.m.	21.40			
26	Supplying fitting and fixing 3mm thick Aluminium Plain Sheet including nails screws etc. complete as directed.	sqm	6.48			
27	Providing barge board of size 200mm x 20mm with 1st class local Hollock/ Bonsum timber including fitting and fixing with necessary wood screws etc. complete.	R.M.	95.00			
28	Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm) (i) Thickness = 1.5 mm thick	Sqm	1251.80			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
29	Wall painting (two coats) with Plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth. (a).Plastic Emulsion Paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	905.58			
30	Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of approved make of Berger paint of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	Sqm	346.22			
31	Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (a). With ready mixed paint, Wood primer (pink)	Sqm	383.36			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
32	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping. (i).Surfaces over 100mm in width or girth. b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	383.36			
33	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. (i).Surfaces over 100mm in width or girth. b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	178.36			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
34	Supplying, fitting, fixing anodised aluminium fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.(anodised to bright natural matt & satin finished)					
A)	a) Sliding door bolts					
	i) 300mm x 16mm	Each	8.00			
B)	b) Tower bolts					
	ii) 250mm x 12mm	Each	16.00			
C)	iii) 200mm x 12mm	Each	6.00			
D)	c) Door / window handles					
	ii) 100mm	Each	6.00			
E)	iii) 150mm	Each	16.00			
F)	e) Butt hinge					
	v) 100mm x 75mm x 4mm	Pair	33.00			
35	Providing plinth protection with bricks flat laid in cement mortar 1: 4 and finished with 15mm thick cement plaster in prop. 1:2 with a floating coat of neat cement finish.	Sqm	68.20			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
36	Providing drain with brick work in cement mortar in proportion 1:5 with half brick thick side walls and 100mm thick C.C (1:3:6) base over one brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shuttering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of work etc. as specified. ii). 300mm wide and average 250mm deep with bed slope 1 in 150 with initial depth of 100mm.	Rm	113.66			
37	Providing and fixing in position collapsible M.S. shutters with vertical channels 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size with top and bottom rails of T-iron 40mmx40mmx6mm with 38mm dia steel pulleys complete with bolts and nuts, locking arrangements, stoppers, handles including applying a priming coat of red lead paint.	Sq.m.	18.90			
38	Providing and fixing rolling shutters of approved make made of 80mm wide M.S. laths interlocked together through their entire length and jointed together at the ends by end-locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation complete including cost of wire, spring and hood cover for the shutters.	Sq.m.	18.90			
39	Providing, fitting and fixing M.S. grill of required pattern for windows / clerestory windows/ opening with MS flats at required spacing in frame all round, square or round MS bars with round headed bolts and nuts or screws. Ornamental Grill. Fixed to Brickwork/ PCC/ RCC	kg	717.90			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
40	Providing, fitting and fixing coloured anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitred and welded (manufactured to relevant IS specifications) and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels. (b)3 Track sliding window (i)6mm clear glass	Sqm	59.66			
41	Providing wood work in frame of false ceiling partitions etc.sawn, wrought, framed hoisted and fixed in position with spikes, nails, M.S flat, angle/ cleats with bolt and nuts complete including kiricide oiling two coats to unexposed surfaces of the timber (M.S flats, angle cleats, and bolt and nuts required for flat, angle cleats wherever necessary shall be measured and paid separately) (b) With Gamari/ Bonsum/ Sundi	Cum	2.42			
42	Providing, fitting and fixing in position false ceiling of 6mm thick Bison panel (cement bonded particle board) on timber frame of 1st class local wood (Hollock/ Bonsum/ Sundi) of 50mm x 50mm spaced at not more than 1.20m apart, fixed to the wall at the end with necessary nails, wood screws, hooks, bolts etc. including painting (one coat primer and two coats of painting) as necessary complete as directed by the Department for all levels. (a) Both sides commercial (b) Other than Guwahati city	Sqm	340.56			

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Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
<u>WATER SUPPLY AND SANITARY</u>						
43	Providing fitting and fixing 450mm dia. 90mm thick C.I. Man hole cover and frame of 19 Kg. weight complete as directed and specified	each	2.00			
44	Construction of filter bed in soak pit including earth work in excavation of soil and then filling up of the trench with brick bats/Charcoal covered with earth over a layer of A.C. plain sheet above brick bat filling complete as directed. (sizes of soak pit may vary depending on the sizes and capacities of the septic tank as well as the number of users as mentioned in the table.	Cum	7.12			
45	Construction of inspection pit inside measurement 450mm x450mm x450mm flush with 100mm diameter HCl/PVC pipes and cement concrete base in proportion 1:3:6 over flat brick soling, 12cm brick wall in cement mortar in proportion 1:4 finished with 13mm cement plaster in proportion 1:2 in side wall and floor. 450mm x450mm air tight C.I. inspection pit cover and frame complete including supplying of materials, necessary excavation of pit as directed.	each	1.00			
46	Providing fitting and fixing vitreous water closet squatting pan (Indian type W.C Orissa pattern) with all fittings and fixtures complete including cutting and making good to the walls and floors wherever required. (Flushing Cistern to be paid separately) Indian type W.C Orissa pattern of size 580 x 440 mm a) White i) Parryware make	Each	1.00			

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47	Providing fitting and fixing vitreous china pedestal type water closet (European type W.C pan 400mm high) with seat and lead ,CP brass hinges and rubber buffers , CI/MS brackets , 40 mm dia flush band with fittings including painting of fittings and brackets, required. (Flushing Cistern to be paid separately) A) Parryware make a) White(viii) Petite (S/P) (Cat No.C0287/88) (inclusive of seat cover)	Each	2.00			
48	Supplying, fitting and fixing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. complete as directed and specified (pipes will be measured separately) i) Parryware make a) White(i)Economy Single Flush (Cat No.C8090/C8055)	Each	3.00			
49	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately) PEDESTAL BASIN (with pedestal) (A) Parryware Make(a) White(x) Neva 560 x 430 (Cat. No.C0491/C0377)	Each	2.00			
50	Providing fitting & fixing stainless steel kitchen sink of Parryware make with CI/MS brackets, C.P. brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings ,cutting &making good the walls wherever required. (Sink cock, stop cocks, waste coupling are to be paid separately)(A) Parryware Make(v) Single Bowl (210 x 180) Flat Edge - Glossy (Cat.No.C8543)	Each	1.00			

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51	Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	each	2.00			
52	Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified. (a) Parryware Make(i) Recess SP & SG dish (Cat.No. C9935)	each	2.00			
53	Providing, fitting and fixing CP towel rail complete as directed and specified. (b) Sona make(i) Towel rail Diplomat 300mm long (Cat.No.TR-0605)	each	2.00			
54	Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified. (b) Sona(iii) Rupa 50mm (HT/ FT) (Cat.No.WS-0801)	each	3.00			
55	Providing fitting & fixing C.I. Grating to the floors complete as directed and specified. (a) 110mm dia	each	6.00			
56	Supplying fitting and fixing G.I. Pipes of following sizes, with all necessary 'R' brand or similar approved G.I. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, H.W. clamps etc.complete at all levels including below G.L. as directed and specified. (A) Exposed on walls					
A)	b) 40 mm dia (Medium) ii) Using other ISI marked approved brand	RM	30.00			
B)	d) 25 mm dia (Medium) ii) Using other ISI marked approved brand	RM	18.00			
C)	e) 20mm dia (Medium) ii) Using other ISI marked approved brand	RM	30.00			
D)	f) 15 mm dia (Medium) ii) Using other ISI marked approved brand	RM	30.00			

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57	Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified. (G.I. & C.P pipes will be measured separately) Essco make (Delux/Sumthing spl./Tropical) (a) Bib cock short body	Each	4			
58	Supplying fitting and fixing chrome plated (C.P.) stop-cock of approved brand and size as mentioned below as directed and specified.(G.I. & C.P pipes will be measured and paid separately Sona brand) (a) 15mm dia Stop cock male-female /Angle stop cock	Each	6.00			
59	Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed. SONA make(b) Heavy type	Each	2			
60	Renewing G.I.socket ZOLOTO-m brand, heavy					
A)	(a) 15 mm dia.	Each	10			
B)	(b) 20 mm dia.	Each	10			
C)	(d) 40 mm dia.	Each	5			
61	Renewing G.I. Elbow (heavy quality)as specified and directed.					
A)	(a) 15 mm dia.	Each	10			
B)	(b) 20 mm dia.	Each	10			
C)	(c) 25 mm dia.	Each	10			
D)	(e) 40 mm dia	Each	10			

**CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY
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Jorhat Assam 785 006**

**NAME OF WORK: Part (A) : CONSTRUCTION OF A BUILDING FOR STATE BANK OF INDIA, RRL, JORHAT BRANCH AT
NEIST, JORHAT**

SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
62	Renewing G.I. Union joint (heavy)					
A)	(a) 15 mm dia.	Each	10			
B)	(b) 20 mm dia.	Each	10			
C)	(c) 25 mm dia.	Each	10			
D)	(e) 40 mm dia	Each	10			
63	Renewing G.I. Reducing tee (heavy) as specified and directed.					
A)	(d) 40mm x 20mm size.	Each	8			
B)	(e) 40mm x 25mm size.	Each	3			
64	Renewing G.I. Tee (heavy quality) as specified & directed.					
A)	(a) 15mm dia	Each	8			
B)	(b) 20 mm dia.	Each	3			
C)	(c) 25 mm dia.	Each	3			
65	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed.					
A)	b) 40 mm dia.	Each	5.00			
B)	c) 25 mm dia.	Each	5.00			
C)	d) 20 mm dia	Each	5.00			
D)	e) 15 mm dia.	Each	5.00			

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**NAME OF WORK: Part (A) : CONSTRUCTION OF A BUILDING FOR STATE BANK OF INDIA, RRL, JORHAT BRANCH AT
NEIST, JORHAT**

SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
66	Providing fitting and fixing PVC cowel of ISI make complete as directed and specified.					
	(v) 63mm dia. PVC cowel of ISI make	each	3			
67	Supplying, fitting and fixing PVC pipes of 6 Kg/cm ² (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary complete at all levels including below G.L as directed and specified.					
	a) In exposed surfaces or in trenches.					
A)	(ii) 110mm dia.	each	4			
B)	(vi) 50mm dia	each	5			
68	Supplying fitting and fixing 87.5 degree PVC bend with door of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.					
	a) In exposed surfaces or in trenches.					
A)	(ii) 110mm dia.	each	8			
B)	(v) 50mm dia	each	10			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
69	Supplying fitting and fixing PVC Plain single tee of (Supreme/ Prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.					
	a) In exposed surfaces or in trenches.					
A)	(i) 160mm dia	each	8			
B)	(v) 50mm dia	each	7			
70	Supplying and placing G.I. tank over the staging, welded around made of 20 I.S. thickness (in mm) sheets complete with manhole cover with locking and cleaning arrangement including proving pads of size as required for inlet and out let pipes and painting with priming coat of red lead and two coats of bituminous paint.					
	b) 1000 Ltr. Capacity	Each	1			

Total Rs.

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**NAME OF WORK: Part (B) : Renovation of the Building near Gate No. 1 and conversion it to Pensioners' Association Office
of CSIR-NEIST, at NEIST, Jorhat**

SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
1	Demolishing brickwork including stacking of serviceable materials and disposal of unserviceable materials as directed for all levels	Cum	19.21			
2	Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels. (i) Area of door/window up to 3.00 m ²	Each	10.00			
3	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	Sqm	109.31			
4	Dismantling steel work in built up sections in joists, angles, channels, tees, flats etc. including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking the materials as directed by the Department for all levels	Kg.	2000			
5	Dismantling all types of corrugated/ trapezoidal sheet roofing including ridges, hips, valleys and gutters etc. and stacking the materials as directed by the department for all levels	Sqm	174.6			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
6	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level) c) ISI approved Mild steel reinforcement bar(M.S.Bar)	Qtl	1.82			
7	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in: (b) Using 25mm thick plank	Sqm	16.39			
8	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately) (B) In super structure from plinth level up to 1st floor level. a) M15 grade concrete or Prop. 1:2:4	cum	1.31			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
9	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (l) In Sub-structure upto plinth level including dewatering if necessary(b) In proportion 1:4.	Cum	2.03			
10	Providing and laying 25mm thick damp proof course with cement concrete in prop 1:1.5:3 with graded stone agg. of 10mm down nominal size including providing approved damp proof admixture in proportion as recommended by the manufacturer including curing etc. complete as directed.	sqm	3.85			
11	1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately) (A) 112mm thick brick wall(a) In cement mortar in proportion 1:4.(1 cement:4 sand)	Sqm	179.66			
12	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embeded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. (b) With 1st class timber (Bonsum/ Sundi)	Cum	0.47			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
13	Labour for fitting and fixing Galvd corrugated iron roofing including supplying and fixing with new galvd screw, J hook, bolts nuts, washer etc. complete as directed.	sqm	34.92			
14	Labour for taking out and refitting Galvd ridging including supplying and fixing necessary galvd screw, bolts and nuts complete as directed.	RM	3.00			
15	15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed A) On rough side. a) In cement mortar 1:3	Sqm	153.88			
16	65 mm thick cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement :1 coarse sand : 2 coarse aggregate of size 10mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.	Sq.m	21.23			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
17	Providing Ceramic Tiles of approved quality, size, shape and thickness not less than 8 mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with fix-A Tile Choksey/ Sika/ Pedelite/ Rouf/ White cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed (coloured pigment should be in conformity with colour of slab and as approved and directed by the Department). Normal range Somany/ Orient/Nitco /Asian Make Of size 300mmx300mm and above	Sq.m	22.92			
18	Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls). a) Normal range..Somany/ Orient/Nitco/Asian Make ii) Of size 200mmx300mm and above	Sq.m	40.86			

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SCHEDULE OF QUANTITES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
19	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevent I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws. b) Non decorative type and block board core. (i) 40 mm thick .	Sq.m.	7.40			
20	Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm) (i) Thickness = 1.5 mm thick	Sqm	156.85			
21	(n) Distempering two coats with oil bound distemper of approved brand and manufacture and of required shade on new wall surface to give an even shade, over and including a priming coat with alkali resistant primer of approved brand and manufacture after throughly brooming the surface free from mortar dropings and other foreign matter and also including preparing the surface even and sand papered smooth. ii). Top coat	Sqm	210.65			
22	Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of approved make of Berger paint of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	Sqm	251.17			

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SCHEDULE OF QUANTITES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
23	Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (a). With ready mixed paint, Wood primer (pink)	Sqm	249.21			
24	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping. (i).Surfaces over 100mm in width or girth. b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	270.81			
25	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. (i).Surfaces over 100mm in width or girth. b). High gloss .	Sqm	25.48			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
26	Supplying, fitting, fixing anodised aluminium fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.(anodised to bright natural matt & satin finished)					
A)	a) Sliding door bolts i) 300mm x 16mm	Each	2.00			
B)	b) Tower bolts ii) 250mm x 12mm	Each	6.00			
C)	iii) 200mm x 12mm	Each	6.00			
D)	c) Door / window handles	Each	6.00			
E)	e) Butt hinge	Pair	15.00			
27	Providing plinth protection with bricks flat laid in cement mortar 1: 4 and finished with 15mm thick cement plaster in prop. 1:2 with a floating coat of neat cement finish.	Sqm	28.22			
28	Providing, fitting and fixing M.S. grill of required pattern for windows / clerestory windows/ opening with MS flats at required spacing in frame all round, square or round MS bars with round headed bolts and nuts or screws. Ornamental Grill. Fixed to Brickwork/ PCC/ RCC	kg	164.82			
29	Providing, fitting and fixing fully glazed window without intermediate sash bars including oxidised M.S butt hinges (75mm x 60mm x 3.15mm) 2nos.on each leaf and 3 nos. on single leaf (glass panes to be measured and paid separately)	Sqm	11.86			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
WATER SUPPLY AND SANITARY						
30	Supplying and placing ferrocement septic tanks of rectangular shape in to pit with manhole cover with cleaning arrangement over single brick flat soling and 75mm 1:3:6 P.C.C. Baffle wall, inlet and outlet etc are provided at suitable points complete as directed. 40 Users	Each	1			
31	Construction of inspection pit inside measurement 450mm x450mm x450mm flush with 100mm diameter HCI/PVC pipes and cement concrete base in proportion 1:3:6 over flat brick soling, 12cm brick wall in cement mortar in proportion 1:4 finished with 13mm cement plaster in proportion 1:2 in side wall and floor. 450mm x450mm air tight C.I. inspection pit cover and frame complete including supplying of materials, necessary excavation of pit as directed.	each	1.00			
32	Providing fitting and fixing vitreous china pedestal type water closet (European type W.C pan 400mm high) with seat and lead ,CP brass hinges and rubber buffers , CI/MS brackets , 40 mm dia flush band with fittings including painting of fittings and brackets, required. (Flushing Cistern to be paid separately) A) Parryware make a) White viii) Petite (S/P) (Cat No.C0287/88) (inclusive of seat cover)	Each	2.00			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
33	Supplying, fitting and fixing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. complete as directed and specified (pipes will be measured separately) i) Parryware make a) White(i)Economy Single Flush (Cat No.C8090/C8055)	Each	2.00			
34	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately PEDESTAL BASIN (with pedestal)) (A) Parryware Make a) White(x) Neva 560 x 430 (Cat. No.C0491/C0377)	Each	1.00			
35	Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	each	1.00			
36	Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified. (a) Parryware Make	each	1.00			
37	Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified. (b) Sona iii) Rupa 50mm (HT/ FT) (Cat.No.WS-0801)	each	1.00			
38	Providing fitting & fixing C.I. Grating to the floors complete as directed and specified. (a) 110mm dia	each	4.00			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
39	Supplying fitting and fixing G.I. Pipes of following sizes, with all necessary 'R' brand or similar approved G.I. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, H.W. clamps etc.complete at all levels including below G.L. as directed and specified. (A) Exposed on walls					
A)	20mm dia (Medium) ii) Using other ISI marked approved brand	RM	12.00			
B)	15 mm dia (Medium) ii) Using other ISI marked approved brand	RM	12.00			
40	Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified. (G.I. & C.P pipes will be measured separately) Essco make (Delux/Sumthing spl./Tropical)) Bib cock short body	Each	2.00			
41	Supplying fitting and fixing chrome plated (C.P.) stop-cock of approved brand and size as mentioned below as directed and specified.(G.I. & C.P pipes will be measured and paid separately) Sona brand 15mm dia Stop cock male-female /Angle stop cock	Each	4.00			
42	Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed. SONA make Heavy type	Each	1.00			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
43	Renewing G.I.socket ZOLOTO-m brand, heavy					
A)	(a) 15 mm dia.	Each	5.00			
B)	(b) 20 mm dia.	Each	5.00			
44	Renewing G.I. Elbow (heavy quality)as specified and directed.					
A)	(a) 15 mm dia.	Each	5.00			
B)	(b) 20 mm dia.	Each	5.00			
45	Renewing G.I. Union joint (heavy)					
A)	(a) 15 mm dia.	Each	5.00			
B)	(b) 20 mm dia.	Each	5.00			
46	Renewing G.I. Tee (heavy quality) as specified & directed.					
A)	(a) 15mm dia	Each	5.00			
B)	(b) 20 mm dia.	Each	3.00			
C)	(c) 25 mm dia.	Each	3.00			
47	Providing fitting and fixing PVC cowel of ISI make complete as directed and specified.					
A)	(v) 63mm dia. PVC cowel of ISI make	each	2.00			

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SCHEDULE OF QUANTITIES

Sl.	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
48	Supplying, fitting and fixing PVC pipes of 6 Kg/cm ² (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary complete at all levels including below G.L as directed and specified. a) In exposed surfaces or in trenches.					
A)	(ii) 110mm dia.	each	2.00			
B)	(vi) 50mm dia	each	2.00			
49	Supplying fitting and fixing 87.5 degree PVC bend with door of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified. a) In exposed surfaces or in trenches.					
A)	(ii) 110mm dia.	each	2.00			
B)	(v) 50mm dia	each	5.00			
50	Supplying fitting and fixing PVC Plain single tee a) In exposed surfaces or in trenches					
A)	(v) 50mm dia	each	3.00			

Grand Total Rs.

Rupees(_____) only.

N.B.

1. The work will be executed as per CPWD's Specifications and norms.
2. Rates should be quoted both word and figure.

Signature of Contractor
With rubber stamp