

CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY

(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)

Jorhat Assam 785 006

**NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur ,Assam under
CSIR- NEIST, Jorhat (Part-A)**

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
1	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.(A) Up to a depth of 2.00m below the existing ground level.(e) In hard rock (ii) Without using blasting materials (where blasting is not possible/ not permissible)	Cum	3.64			
2	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 sub grade as directed including all labour and materials and if necessary dewatering, complete.(a).Brick on flat soling.	Sqm	55.35			
3	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).(a) In prop 1cement: 3 sand :6 coarse aggregate by volume.	Cum	1.29			
4	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) b) Other ISI approved TMT reinforcement bar (SAI/BISCON/THERMAX) (For Assam Type Bldg., drain works,, retaining wall&boundary wall etc. .	Qtl	7.00			

SCHEDULE OF QUANTITES

Sub Total Rs.

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SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
5	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm downgraded 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) a) M15 grade concrete or Prop. 1:2:4	CUM	6.97			
6	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	85.97			
7	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (a) In proportion 1:3.	Cum	2.27			
8	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.(c) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.	CUM	22.35			
9	Brick wall in cement lime mortar in prop. 1 cement: 1 lime putty: 6 fine sand 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	Sqm	91.07			

embedded in cement mortar and will be measured and paid separately)a) 112mm thick brick wall					
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SUB TOTAL Rs.

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Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
10	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed. A) On rough side (backing coat 15 mm and finishing coat 5mm thick)a) In cement mortar 1:3	Sqm	110.12			
11	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed) On fair side (backing coat 10 mm and finishing coat 10mm thick)a) In cement mortar 1:3	SQM	91.07			
12	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 meter of floor area) including curing etc. complete as directed.	Sqm	42.48			
13	Providing dressed wood work in post, walls, battens, post plate bressumers etc. including	Cum	0.20			

supplying and fixing with spikes, nails, bolt and nuts of 12mm dia(M.S) and required length etc.complete with kiricide oiling two coats to faces in contact with C.C or masonry (M.S flats, angle cleats and bolt and nuts required for flats, angle cleats wherever use shall be measured and paid separately) (b) With Hollock timber					
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SCHEDULE OF QUANTITES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
14	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 oxidized iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws. b) Non decorative type and block board core. (iii) 30 mm thick.	SQM	8.67			
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. b) Using other ISI marked approved circular hollow section	Qtl	6.33			
16	Supplying fitting and fixing M.S.angles, M.S. flat, M.S. bolts and nuts including painting with red lead paint one coat complete as directed) M. S. Flats....	Qtl	0.30			
17	Providing trapezoidal polycoated galvanized roofing sheet (DYNA MAKE or equiv.)at all levels including fitting and fixing with self drilling and self	Sqm	91.99			

	tapping including ridges etc complete as per direction.(i) 0.40 mm thick					
18	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.(i) 0.40 mm thick	Rm	9.00			

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SCHEDULE OF QUANTITES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
19	Supplying, fitting and fixing anodised aluminum decorated grill with anodized aluminum rectangular frame of 'F' and 'H' section fitted with walls, columns or stiffeners by special type of screws as per specification by the Department for all levels. (Aluminum Alloy procured from primary aluminum producer.	SQM	14.81			
20	Providing, fitting and fixing anodized aluminum sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitered 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.(a)2 Track sliding window (v) 5 mm coloured glass	Sqm	14.81			
21	Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirting's, 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 (Cooksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match	Sqm	37.75			

	shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department) a) Normal range Somany/ Orient/Nitco /Varmora/VITA/ Marbita/ Make ii) Of size 600mmx600mm and above					
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SCHEDULE OF QUANTITES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
22	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).a) Normal range ,Somany/ Orient/Nitco /Asian Make (i)Of size 300mmx300mm and above	Sqm	3.13			
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 (Cooksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified	Sqm	15.96			

	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 ii) Of size 200mmx300mm and above Somany/ Orient/Nitco/Asian Make					
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Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
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24	Providing and fixing Mineral Fiber Acoustic Ceiling Tiles in 600mm x 600mm of 13mm/15mm thickness to be placed in E- Grid Suspended Ceiling Grid 2430 System consisting of Main Runner 3600 mm long, Cross Tee 1200mm/600mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300 mm c/c. Main Runner shall be placed along the shorter dimension of the area to be covered. The distance between the two Main Runners to be maintained at 1200mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm x 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600mm x 600mm.E-Grid of module size 600mm x 600mm shall be supported by 4/6 mm dia G.I. wire from purlins/soffit Mineral Fiber Acoustic Ceiling Tiles of Everest Industries Limited should be placed in the E-Grid module to form a False Ceiling including the cuttings complete as directed) Using 15mm thick ceiling tiles .	Sqm	35.31			
25	Providing, fitting and fixing in position plywood / hardboard partition walls with 6mm thick ply board / hardboard (best) with horizontal and vertical Sal battens of size 50mm x 80mm spaced at not more than 1.20m apart with necessary nails, wood screws, bolts etc. complete as directed by the Department for all levels (Painting / Varnishing to be measured and paid separately).A) 6mm thick Ply board a) On one face of the frame	Sqm	1.56			
26	Kota-stone slab flooring of 18 mm thick over 20mm thick base of cement plaster 1:6 (1 cement : 6 coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.(1) 550mm x 550mm	Sqm	4.02			

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SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
27	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)(ii)Thickness = 1.0mm thick	Sqm	176.09			
28	Wall painting (two coats) with acrylic emulsion paint 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).Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	99.08			
29	Finishing wall with two coats of acrylic emulsion exterior coatings of Unicem "Rakshak" brand of required shade by thinning 1ltr. of paint with 750ml of water to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose powdered materials as specified and directed by the department.	Sqm	77.01			
30	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 sand other foreign matter, sand papering and knotting. (b). With ready mixed paint, wood primer (white).	Sqm	20.67			

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SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
31	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.a). General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	20.67			
32	Supplying, fitting, fixing anodized aluminum 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 aluminum screws etc. complete.(anodized to bright natural matt & satin finished) a) Sliding door bolts ii) 250mm x 16mm	Each	6.00			
	b) Tower bolts ii) 250mm x 12mm	Each	16.00			
	c) Door handles i) 75mm	Each	10.00			
	e) Butt hinge ii) 75mm x 45mm x 3.20mm	Each	9.00			
	r) Curtain rod i) 20mm x 2mm	Each	15.00			
	l) Hydraulic door closure	Each	3.00			
	t) Door stopper with rubber stopper	Each	2.00			
33	Providing, fitting and fixing anodized aluminum framed glazed doors with anodized aluminum frame made of 63mm x 38mm x 2.5mm section of approved brand with door style of size 50mm x 45mm x 2.0mm, top rails 50mm x 45mm x 2.5mm, middle rail 100mm x 45mm x 2mm and bottom rails 100mm x 45mm x 2.5mm fitted with glazing clip, special type rubber gasket complete including hydraulic floor spring, pivot, tower bolt in each leaf, aluminum door handle, lock, angles, cleat etc complete as specified and directed by the department at all levels.(v) 5 mm clear glass	Sqm	5.67			

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NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur ,Assam under CSIR- NEIST, Jorhat(Part-A)

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
34	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 . d) 25 mm dia (Medium) ii) Using other ISI marked approved brand	Rm	30.00			
35	(B) Concealed by chiseling or breaking brick wall/ C.C. wall/ R.C.C. wall and making good to the damaged structure. f) 15 mm dia (Medium) ii) Using other ISI marked approved brand	Rm	24.00			
36	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. (iv) 75mm dia.	Rm	18.00			
37	Supplying fitting and fixing 45degree PVC bend 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. (iv) 75 mm dia.	Each	4.00			
38	Supplying fitting and fixing PVC single tee 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. (iv) 75 mm dia.	Each	3.00			
39	Supplying fitting and fixing PVC single 'Y' 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. (iv) 75 mm dia.	Each	1.00			

SubTotal Rs.

**NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur ,Assam under
CSIR- NEIST, Jorhat(Part-A)**

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
40	Providing fitting & fixing C.I. Grating to the floors complete as directed and specified.(a) 110mm dia	Each	1.00			
41	Supplying and placing plastic cylindrical vertical cloused top (PCVC) tank of Sintex / Polycon / Patton make over the staging with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes (III)1000 liter capacity	Each	1.00			
42	Labour for erecting and placing PCVCTank over the staging of 5.00m up to 8.00m complete as directed. (c) 1000 liter capacity	Each	1.00			
43	Supplying and placing Ferro cement 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.(iv) 25 Users	Each	1.00			
44	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)a) White ii) Hind ware make	Each	2.00			
45	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)Basin (without pedestal) (A) Parry ware Make (a) White (i) Star Basin 550 x 400 (Cat. No.C0450)	Each	2.00			
46	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 (B) Nirali (ii) Glister Super (Bowl Size - 535 x 432 x 200) Glossy	Each	1.00			

SubTotal Rs.

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CSIR- NEIST, Jorhat(Part-A)****SCHEDULE OF QUANTITES**

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
47	Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	Each	2.00			
48	Providing, fitting and fixing CP towel rail complete as directed and specified.(b) Sona make (ii) Towel rail Diplomat 450mm long (Cat.No.TR-0605)	Each	2.00			
49	Providing, fitting and fixing Chrome Plated toilet paper holder complete as directed and specified.(ii) Toilet paper holder with cover (Cat. No.AL-1002)	Each	2.00			
50	Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified.(b) Sonav(i) Rupa 32mm (HT/ FT) (Cat.No.WS-0801)	Each	3.00			
51	Renewing 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) Parry ware make a) White (i)Economy Single Flush (Cat No.C8090/C8055)	Each	2.00			
52	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) (i) Sona brand Bib Cock (Code.No.RG-5015)	Each	4.00			
53	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) (IV) Sona brand (a) 15mm dia Stop cock male-female /Angle stop cock	Each	6.00			
54	Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed.(I) Sona make (b) Heavy type	Each	2.00			

SubTotal Rs.

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Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
55	Supplying fitting and fixing Chrome Plated (C.P.) sink cock of approved brand as directed and specified. (G.I. & C.P pipes will be measured and paid separately) .(I) Sona brand a) Sink cock upper/ lower spout 15mm	Each	1.00			
56	Supplying fitting and fixing overhead adjustable Chrome Plated (C.P.) spray shower 15mm dia. of Sona make with wall flange as directed and specified.(pipes will be measured and paid separately)(I) Essco make(a) Casted shower arm heavy 190mm long with wall flange	Each	1.00			
57	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	1.00			

Grand Total Rs.

Rupees (.....) Only

NB:

1. Rate must be quoted both in word and figure.
2. All work will be executed as per CPWD's norms.

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SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
1	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.(A) Up to a depth of 2.00m below the existing ground level.(e) In hard rock (ii) Without using blasting materials (where blasting is not possible/ not permissible)	Cum	0.92			
2	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 sub grade as directed including all labour and materials and if necessary dewatering, complete.(a).Brick on flat soling.	Sqm	0.81			
3	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).(a) In prop 1cement: 3 sand :6 coarse aggregate by volume	Cum	0.08			

4	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) b) Other ISI approved TMT reinforcement bar (SAI/BISCON/THERMAX) (For Assam Type Bldg., drain works, retaining wall boundary wall etc	Qtl	0.51			
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SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
5	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm downgraded 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) a) M15 grade concrete or Prop. 1:2:4	Cum	0.44			
6	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	2.55			
7	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed. A)	Sqm	3.60			

	On rough side (backing coat 15 mm and finishing coat 5mm thick)a) In cement mortar 1:3					
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Sub Total Rs,.

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

NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur, Assam under CSIR- NEIST, Jorhat (Part-B)

SCHEDULE OF QUANTITES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
8	Wall painting (two coats) with acrylic emulsion paint 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).Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	3.60			

Grand Total Rs.

Rupees (.....) Only

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

NAME OF WORK:. Setting up for multi parametric observatory Point at Ouguri Hills Tezpur, Assam under CSIR-NEIST, Jorhat (Part-C)

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
1	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.(A) Up to a depth of 2.00m below the existing ground level.(e) In hard rock (ii) Without using blasting materials (where blasting is not possible/ not permissible)	Cum	0.66			
2	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 sub grade as directed including all labour and materials and if necessary dewatering, complete.(a).Brick on flat soling.	Sqm	1.44			
3	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).(a) In prop 1cement: 3 sand :6 coarse aggregate by volume	Cum	0.18			
4	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (a) In proportion 1:3.	Cum	1.15			
5.	Brick wall in cement lime mortar in prop. 1 cement: 1 lime putty: 6 fine sand 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 embedded in cement mortar and will be measured and paid separately)a) 112mm thick brick wall	Sqm	8.01			

Sub Total Rs.

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Jorhat Assam 785 006

NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur, Assam under CSIR-NEIST, Jorhat (Part-C)

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
6	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed. A) On rough side (backing coat 15 mm and finishing coat 5mm thick)a) In cement mortar 1:3	Sqm	17.67			
7	Wall painting (two coats) with acrylic emulsion paint 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).Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)g.	Sqm	17.67			
8	Providing undressed wood work in roof truss, rafter, purlin, tie and the like including hoisting and fixing in position with necessary spikes, nails including M.S straps with bolt and nuts etc.complete with kiricide oiling two coats to all timber members and two coats of anticorrosive paint to M.S straps (M.S flats, angle cleats, and bolt and nuts required for flat and angle cleats wherever used shall be measured and paid separately) (b) With Hollock/ Sundi/ Sam	Cum	0.10			
9	Providing wattle /spilt bamboo ceiling mud plastered on top and 15mm cement plaster in proportion 1:4 in two coats -10 mm first coat and 5mm second coat on bottom, white wash three coats on cement plastered surface complete (timber ceiling joists to be measured and paid separately).	Sqm	1.56			
10	Providing, fitting and fixing 40mm x 48mm wood reinforced PVC chowkhats fixed to the columns / stiffeners / walls with necessary holdfast / sleeves etc. as specified and directed at all levels.	Rm	4.35			

Sub Total Rs.

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NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur, Assam under CSIR-NEIST, Jorhat (Part-C)

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
11	Providing, fitting and fixing 24mm/ 29mm thick polymer reinforced molded PVC door shutters fixed to the chowkath with necessary hinges, screws, bolts etc. as specified and directed at all levels (Door fixtures and fittings to be measured and paid separately)a) 24mm thick	Sqm	1.26			
12	Providing plain Polycarbonate transparent sheet roofing at all levels with self drilling, self tapping screws complete (Roof trusses, purlins etc. to be measured a Providing plain Polycarbonate transparent sheet roofing at all levels with self drilling, self tapping screws complete (Roof trusses, purlins etc. to be measured and paid separately.) (ii) 2.00 mm thick paid separately.) (ii) 2.00 mm thick	Sqm	9.00			
(A)Total Amount for One no. Shed Rs.						
Total Amount for 2 Nos. Shed (2xA) Rs						

Grand Total Rs.

Rupees (.....) Only

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

NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur, Assam under CSIR-NEIST, Jorhat (Part-D)

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
1	Wiring for light/ fan/ call bell point with 2x1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand)) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in surface system, including 6 Amp flush type switch/ bell push (Anchor Penta/Gold medal /Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) GI/ MS switch board (ISI marked) half conceal on wall with phenolic laminated sheet cover, ceiling rose (Anchor/Gold medal /Kolor kany.Kom / Havells or equivalent make as approved by the Deptt.) etc. complete as directed and specified by the Deptt. Medium point up to 6.00 metre. Length.	Each	14.00			
2	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand)) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in surface system, including providing and fixing 5/6 pin 16 Amps flush type socket outlets and 16 Amps flush type switch (Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.),GI/ MS switch board (I.S.I. marked) with phenolic laminated sheet cover earth continuity with 2.5	Each	6.00			

sq. mm cable to the 3rd pin of the socket as required complete. Long point up to 10.00 metre. Length.					
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Jorhat Assam 785 006

NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur, Assam under CSIR-NEIST, Jorhat (Part-D)

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
3	Supplying and fixing of Switch/Socket flush type (Anchor Penta PC CHERRY /Gold medal /Kolor kany.kom/Havells or equivalent make as approved by the Deptt.) on the existing PVC/ MS board including connection as approved by the Deptt.)Complete as required.	Each	6.00			
4	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface flat ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system including earth continuity. With 2 x 2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. in flat 19 mm ISI marked casing 'n' capping system.	Mtr	30.00			
5	Supplying with fitting and fixing sheet steel, phosphates, powder painted dust & vermin proof Double door IP-43 surface mounting SPN MCB DB incorporated with bas-bar, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. complete with making necessary connection as approved, specified and directed by the deptt. 8 way SPN double door	Each	1.00			
6	Supplying with fitting and fixing single Pole 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.					
	B Series (Schneider MG, legrand, Hager make) 6 to32A	Each	6.00			

	B Series (ABB, Schneider MG, legrand, Hager make)63A	Each	1.00			
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Sub Total

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NAME OF WORK: Setting up for multi parametric observatory Point at Ouguri Hills Tezpur, Assam under CSIR-NEIST, Jorhat (Part-D)

SCHEDULE OF QUANTITIES

Sl. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
7	Striplite luminaries complete with VPIT copper ballast/ Electronic ballast and decorative end cap and 1 X 36 / 40 watt Fluorescent tube.(Crompton Greaves make) Model- DSG1114LDB CROMGOLD / DSG1114LDBN CROM GOLD NEW / DSG1314EB CG GOLD / DSG 1414EB PLANET GOLD with Super Saver / Super Brite Lamp. Or equivalent (Equivalent will be selected by the deptt considering the mother items rate) PHILIPS/ WIPRO/ BAJAJ/ Havells/ HPL/ SOLAR/ JAQUAR make.	Each	3.00			
8	Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department [Without regulator]. Premium model 1200 mm Sweep (ORIENT PSPO make) / Premium model 1050 / 1200 mm Sweep SS-390 Deco Havells make)	Each	5.00			
9	Supplying fitting and fixing of ceiling fan regulator including connections etc complete as required. Electronic Type type.	Each	5.00			
10	Supplying fitting and fixing of 34 watt flate ceiling mounted 2x2 feet size LED light with mirror optics complete driver and all including necessary connection with 1.50 sq.mm copper wires as required Havells Pluto make	Each	5.00			
11	Making good by damage done i/c painting etc	LS				

Grand Total Rs.

Rupees (.....) Only

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