

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -1 HAND TOOLS

TRADE	SL.NO	PARTICULARS	SPECIFICATION	QNTY	UNIT	RATE	AMOUNT
I	II	III	IV	V	VI	VII	VIII
DRAUGHTSMAN(CIVIL)	1	Box drawing instrument containing one 15 cm compass with pin point, pin point & lengthening bar, one pair spring bows, rotating compass with interchangeable ink and pencil points, drawing pens with plain point & cross point, screw driver and box of leads.	Box drawing instrument containing one 15 cm compass with pin point, pin point & lengthening bar, one pair spring bows, rotating compass with interchangeable ink and pencil points, drawing pens with plain point & cross point, screw driver and box of leads.	16	Nos	595.00	9520.00
	2	Protractor celluloid 15 cm semi-circular	Protractor celluloid 15 cm semi-circular	16	Nos	65.00	1040.00
	3	Scale card board-metric set of eight A to H in a box 1:1, 1:2, 1:2:5, 1:5, 1:10, 1:20, 1:50, 1:100, 1:200, 1:500, 1:1000, 1:1250, 1:6000, 1:38 1/3, 1:66 2/3	Scale card board-metric set of eight A to H in a box 1:1, 1:2, 1:2:5, 1:5, 1:10, 1:20, 1:50, 1:100, 1:200, 1:500, 1:1000, 1:1250, 1:6000, 1:38 1/3, 1:66 2/3	16	Sets	180.00	2880.00
	4	Scale - Metric and section wooden 30 cm long marked with eight scales - 1:1, 1:2, 1:2:5, 1:10, 1:20, 1:50, 1:100, 1:5	Scale - Metric and section wooden 30 cm long marked with eight scales - 1:1, 1:2, 1:2:5, 1:10, 1:20, 1:50, 1:100, 1:5	16	Sets	180.00	2880.00
	5	Scales plotting box wood 6 metric scales 30 cms long with offset scales	Scales plotting box wood 6 metric scales 30 cms long with offset scales	16	Sets	720.00	11520.00
	6	Set square transparent 2 mm thick with bevelled edges 45 degree 20 cm	Set square transparent 2 mm thick with bevelled edges 45 degree 20 cm	16	Sets	220.00	3520.00
	7	Set square celluloid 2 mm thick with bevelled edges 60 degrees 25 cm	Set square celluloid 2 mm thick with bevelled edges 60 degrees 25 cm	16	Nos	320.00	5120.00
	8	Board drawing 1250 mm x 900 mm	Drawing Board (Imperial size)	16	Nos	4950.00	79200.00
	9	Square T 1250 mm / Mini drafter	Square T 1250 mm / Mini drafter	16	Nos	1365.00	21840.00
	10	Erasing shield small size	Erasing shield small size	16	Nos	145.00	2320.00
	11	Template-Architects and builders	Template-Architects and builders	16	Nos	420.00	6720.00
	12	French curves-transparent plastic set of 12	French curves-transparent plastic set of 12	4	Nos	250.00	1000.00
	13	Flexible curves 80 cm long	Flexible curves 80 cm long	8	Nos	1960.00	15680.00
	14	Elliptic trammel with ink and pencil for not less than 10 cm minor axis complete in a case.	Elliptic trammel with ink and pencil for not less than 10 cm minor axis complete in a case.	1	Nos	12800.00	12800.00
	15	Brass parallel rulers in a case	Brass parallel rulers in a case	4	Nos	1230.00	4920.00
	16	Calculator Scientific	Calculator Scientific	4	Nos	700.00	2800.00

Pages 1 of 8

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PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -1 HAND TOOLS

I	II	III	IV	V	VI	VII	VIII
DRAUGHTSMAN(CIVIL)	17	Planimeter sliding bar pattern 70 cm complete In case with magnifier and instructions reading in metric units	Planimeter sliding bar pattern 70 cm complete In case with magnifier and instructions reading in metric units	1	Nos	2560.00	2560.00
	18	Pentagraph - brass-complete in wooden case with accessories 60 cms	Pentagraph - brass-complete in wooden case with accessories 60 cms	1	Nos	3350.00	3350.00
	19	Beam compass with fine adjustments with ink and pencil points and two chromium plated weights 30 cm in wooden case.	Beam compass with fine adjustments with ink and pencil points and two chromium plated weights 30 cm in wooden case.	2	Nos	2350.00	4700.00
	20	Lerroy printing set		2	Nos	22650.00	45300.00
	21	Ammonia box 120 cm x 35 x 35 cms	Draughtsman table	1	Nos	3950.00	3950.00
	22	Stencils-complete set 6 H	Stencils-complete set 6 H	2	Sets	3360.00	6720.00
	23	Interlock, interchangeable brass stencils with brush in a box.	Interlock, interchangeable brass stencils with brush in a box.	4	Nos	7850.00	31400.00
	24	Land measuring chain 30 meters with 10 arms.	Land measuring chain 30 meters with 10 arms.	4	Nos	1950.00	7800.00
	25	Steel tape 30 meters long in a leather case	Measuring tape steel 30 meters.	2	Nos	1350.00	2700.00
	26	Ranging rods wooden fitted with iron shoe 2 metres long	Ranging rods wooden fitted with iron shoe 2 metres long	16	Nos	455.00	7280.00
	27	Shovel	Shovel	2	Nos	1720	3440
	28	Pan M.S. 25 cms. Dia	Pan M.S. 25 cms. Dia	6	Nos	390	2340
	29	Farma wooden for measuring aggregates	Farma wooden for measuring aggregates	1	No	44500	44500
	30	Bucket G.I. 35 cm. Dia	Buckets – 7 litres capacity.	4	Nos	320	1280
	31	Mason's plumb rule with spirit level	Mason's plumb rule with spirit level	4	Nos	890	3560
	32	Mason's square 30 cm x 30 cm	Mason's square 30 cm x 30 cm	4	Nos	480	1920
	33	Sieve for sand 1 mm/100 x 60 cm	Sieve for sand 1 mm/100 x 60 cm	1	No	24500	24500
	34	Trowel 25 cm x 10 cm	Trowel 25 cm x 10 cm	4	Nos	1440	5760
	35	Sieve for sand 22 mm/100 x 60 cms.	Sieve for sand 22 mm/100 x 60 cms.	1	No	28650	28650
	36	Tool caulking set CB 6	Tool caulking set of 2	2	Sets	6500	13000
	37	Brick hammer with handle	Brick hammer with handle	4	Nos	780	3120
	38	Rule fold wooden 60 cms.	Rule fold wooden 60 cms.	4	Nos	110	440
	39	15 cm painting trowel	15 cm painting trowel	4	Nos	630	2520
	40	Line pins corner block	Line pins corner block	4	Each	460	1840
	41	Motor Board	Motor Board	4	Nos	48880	195520
	42	Wire brush	Wire Brush 15cm X 3.7 cm	4	Nos	120	480
	43	Wooden float	Wooden float	4	Nos	320	1280

I	II	III	IV	V	VI	VII	VIII
DRAUGHTSMAN(CIVIL)	44	Steel float	Steel float	4	Nos	1340	5360
	45	Spirit level 30 cms	Spirit level 30 cms	4	Nos	520	2080
	46	Chiesel 5 cm hammer headed	Chisels Masons Hammer headed punch	4	Nos	1050	4200
	47	Bolster	Bolster	4	Nos	340	1360
	48	Claw hammer	Claw hammer	4	Nos	730	2920
	49	Spade	Spade	4	Nos	1040	4160
	50	Measuring tape steel 30 meters.	Measuring tape steel 30 meters.	4	Nos	1350	5400
	51	Ladder aluminium 3 meters	Ladder aluminium 3 meters	4	Nos	8500	34000
	52	Pickaxe	Pickaxe	2	Nos	3660	7320
	53	Hammer 250 gms.	Hammer 250 gms.	1	No	240	240
	54	Crow bar 3 cm dia. 1.5. lag	Crow bar 3 cm dia. 1.5. lag	2	Nos	1650	3300
	55	Hand hammer 1 Kg.	Hand hammer 1 Kg.	2	Nos	660	1320
	56	Binoculars	Binoculars	2	Nos	8650	17300
	57	Surveyors' Umbrella	Surveyors' Umbrella	2	Nos	3250	6500
58	Light tracing board fitter with glass and frame and lamp	Light tracing board fitter with glass and frame and lamp	2	Nos	25600	51200	
DRAUGHTSMAN(MACHANICAL)	1	Draughtsman Drawing instrument Box containing compasses with pencil point, point driver, interchaneable, divider penpoint interchangeable,divioder spring bow, pen spring bow lengthening bar, pen drawing liner,screw driver instrument, tube with leads.	Box drawing instrument containing one 15 cm compass with pin point, pin point & lengthening bar, one pair spring bows, rotating compass with interchangeable ink and pencil points, drawing pens with plain ponit & cross point, screw driver and box of leads.	16	Sets	595.00	9520.00
	2	Scale set card board in case(Metric)	Scale set card board in case(Metric)	16	Sets	85.00	1360.00
	3	Set square celluloid 45° (250*1.5 mm)	Set square celluloid 45° (250*1.5 mm)	16	Sets	215.00	3440.00
	4	Set square celluloid 45° (250*1.5 mm)	Set square celluloid 45° (250*1.5 mm)	16	Sets	215.00	3440.00
	5	French-curves (set of 12 celluloid)	French-curves (set of 12 celluloid)	16	Sets	250.00	4000.00
	6	Drawing Board (750*500 IS: 1444	Drawing Board with stands	16	Nos	5840.00	93440.00
	7	Tee-Square (700 mm blade) IS: 1360	Tee-Square (700 mm blade) IS: 1360	16	Nos	675.00	10800.00
	8	Steel Rule 300 mm (inches and millimetres)	Steel Rule 300 mm (inches and millimetres)	16	Nos	150.00	2400.00
	9	Mini Drafter	Mini Drafter	16	Nos	485.00	7760.00
	10	Rotring pens(0.1 to 0.7)	Rotring pens(0.1 to 0.7)	10	Nos	9650.00	96500.00
	11	Plastic models for development and geometrical solids	Plastic models for development and geometrical solids	2	Sets	850.00	1700.00
	12	Wooden Geometry Box for Black-board work	Wooden Geometry Box for Black-board work	1	Sets	990.00	990.00

Pages 3 of 8

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -1 HAND TOOLS

I	II	III	IV	V	VI	VII	VIII
DRAUGHTSMAN(MACHANICAL)	13	Caliper outside 150 mm (spring)	Caliper outside 150 mm (spring)	8	Nos	240.00	1920.00
	14	Caliper Inside 150 mm (spring)	Caliper Inside 150 mm (spring)	8	Nos	200.00	1600.00
	15	Stencil set complete in box		2	Sets	3360.00	6720.00
	16	Steel tape 2 meters (pull type)	Steel tape 2 meters (pull type)	1	Nos	480.00	480.00
	17	Radius and Fillet templates		1	Sets	920.00	920.00
SURVEYOR	1	Abney level	Abney level	1	Nos	1920.00	1920.00
	2	Ammonia printing box	Ammonia printing box	1	Nos	3950.00	3950.00
	3	Box sextant	Box sextant	2	Nos	3650.00	7300.00
	4	Boning rod	Boning rod	1	set	2360.00	2360.00
	5	Binocular	Binocular	4	Nos	8650.00	34600.00
	6	Box drawing instrument containing compass with pencil point, point divider interchangeable, divider pen point interchangeable, divider spring box, pen spring box, lengthening bar, pen drawing lines, screw divider instrument,tube with leads	Box drawing instrument containing compass with pencil point, point divider interchangeable, divider pen point interchangeable, divider spring box, pen spring box, lengthening bar, pen drawing lines, screw divider instrument,tube with leads	17	Nos	595.00	10115.00
	7	Calulator 8 digits	Calulator 8 digits	17	Nos	420.00	7140.00
	8	Chisel Steel 80mm blade	Chisel Steel 80mm blade	17	Nos	420.00	7140.00
	9	Card board scale(8 in one box)	Card board scale(8 in one box)	16	Boxes	110.00	1760.00
	10	(a) Cross staff wooden box type	Cross staff wooden box type	2	Nos	1650.00	3300.00
		(b) Cross staff wooden open type	Cross staff wooden open type	2		1750.00	3500.00
	11	Drawing Board (Imperial size)	Drawing Board (Imperial size)	17	Nos	4950.00	84150.00
	12	Drawing Machine (Horizontal)	Drawing Machine (Horizontal)	4	Nos	24500.00	98000.00
	13	Engineer's chain	Engineer's chain	5	Nos	1850.00	9250.00
	14	(a) Engineer's level	Engineer's level	5	Nos	21200.00	106000.00
		(b) Dumpylevel	Dumplevel	2	Nos	18600.00	37200.00
		(c) Cokes reversible level	Cokes reversible level	1	Nos	25100.00	25100.00
		(d) Tilting level	Tilting level	4	Nos	22500.00	90000.00
	15	Erasing shield	Erasing shield	16	Nos	145.00	2320.00
	16	French curve plastic (set of 12)	French curve plastic (set of 12)	4	sets	250.00	1000.00
17	(a) Ferro printing frame 450 x 600 mm	(a) Ferro printing frame 450 x 600 mm	1	Nos	14500.00	14500.00	
	(b) Ferro printing frame 800 x 600mm	(b) Ferro printing frame 800 x 600mm	1		22300.00	22300.00	

I	II	III	IV	V	VI	VII	VIII
SURVEYOR	18	Grunter Chain	Grunter Chain	5	Nos	1750.00	8750.00
	19	Graphs Pen					0.00
		(a) For Lining	Graphs Pen For Lining	2		1750.00	3500.00
		(b) For Printing	Graphs Pen For Printing	2		1790.00	3580.00
	20	Hand press for numbering & lettering	Hand press for numbering & lettering	1	Nos	8500.00	8500.00
	21	Haversacks (canvas bag forkeeping tools) - survey of India pattern	Haversacks (canvas bag forkeeping tools) - survey of India pattern	8	Nos	1210.00	9680.00
	22	Height Indicator (Survey of India pattern	Height Indicator (Survey of India pattern	8	Nos	12360.00	98880.00
	23	Hold all canvas for instrument -(S O I)	Hold all canvas for instrument -(S O I)	8	Nos	960.00	7680.00
	24	Hones in case (Survey of India)	Hones in case (Survey of India)	1	Nos	2250.00	2250.00
	25	a) Metric Chain (20M)	Metric Chain (20M)	5	Nos	1860.00	9300.00
		b) Metric Chain (30M)	Metric Chain (30M)	5	Nos	1990.00	9950.00
	26	Magnifying Glass	Magnifying Glass	2	Nos	390.00	780.00
	27	Magnet bar (for magnetizing through compass needles	Magnet bar (for magnetizing through compass needles	1	sets	995.00	995.00
	28	Metal tube for keeping drawings dia 100mm and 1 meter long	Metal tube for keeping drawings dia 100mm and 1 meter long	8	Nos	3260.00	26080.00
	29	Pen Knife	Pen Knife	16	Nos	190.00	3040.00
	30	Protector full circle (Plastic 150mm dia)	Protector full circle (Plastic 150mm dia)	16	Nos	55.00	880.00
	31	Pantograph	Pantograph	2	Nos	3860.00	7720.00
	32	Ranging Rod 4m	Ranging Rod 4m	32	Nos	940.00	30080.00
	33	Off set rod	Off set rod	4	Nos	795.00	3180.00
	34	Optical square	Optical square	4	Nos	830.00	3320.00
	35	Railway curve	Rilway curve	1	set	1850.00	1850.00
	36	Scale diagonal, electroplated	Scale diagonal, electroplated	1	Nos	625.00	625.00
	37	Stencil set in complete box	Stencil set in complete box	2	Nos	3360.00	6720.00
	38	Substance bar	Substance bar	2	Nos	6920.00	13840.00
	39	Set Square (45' & 60'Plastic 280 mm)	Set Square (45' & 60'Plastic 280 mm)	17	Prs	290.00	4930.00
40	Tee square	Tee square	17	Nos	675.00	11475.00	
41	Surveyor Umbrella	Surveyor Umbrella	8	Nos	3250.00	26000.00	
42	Zinc tray (for washing prints)	Zinc tray (for washing prints)	1	Nos	2850.00	2850.00	
CARPENTRY	1	Rule, four fold wooden 24"	Rule, four fold wooden 24"	17	Nos	110.00	1870.00
	2	Caliper, inside 6"	Caliper, inside 6"	17	Nos	200.00	3400.00

Pages 5 of 8

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -1 HAND TOOLS

I	II	III	IV	V	VI	VII	VIII
CARPENTRY	3	Caliper, outside 6"	Caliper, outside 6"	17	Nos	240.00	4080.00
	4	Marking knife	Marking knife	17	Nos	70.00	1190.00
	5	Screw driver 12"	Screw driver 12"	17	Nos	340.00	5780.00
	6	Square, try 8" .	Square, try 8" .	17	Nos	240.00	4080.00
	7	Saw, hand 18"	Saw, hand 18"	17	Nos	1560.00	26520.00
	8	Saw, tenon 12" .	Saw, tenon 12" .	17	Nos	880.00	14960.00
	9	Chisel, firmer ½" to ¾" by 1/8" set of 6	Chisel, firmer ½" to ¾" by 1/8" set of 6	17	sets	1120.00	19040.00
	10	Mallet 2 lbs. with handle.	Mallet 2 lbs. with handle.	17	Nos	320.00	5440.00
	11	Hammer, Cross pein Carpenter 1½ lbs. with handle	Hammer, Cross pein Carpenter 1½ lbs. with handle	17	Nos	260.00	4420.00
	12	Plane Jack 18" wooden stock 2" cutter	Plane Jack 18" wooden stock 2" cutter	17	Nos	2860.00	48620.00
	13	Plane, Smoothing 9" wooden stock 1¾" cutter	Plane, Smoothing 9" wooden stock 1¾" cutter	17	Nos	2360.00	40120.00
	14	File, 3 corner 2nd cut 5"	File, 3 corner 2nd cut 5"	17	Nos	480.00	8160.00
	15	Chisel, mortice 1/8" to 3/4" by 1/4" set of 6 .	Chisel, mortice 1/8" to 3/4" by 1/4" set of 6 .	17	Nos	1320.00	22440.00
	16	Gauge Mortice and Marking	Gauge Mortice and Marking	17	Each	780.00	13260.00
	17	Stone oil 6"x2"x1"	Stone oil 6"x2"x1"	17	Nos	980.00	16660.00
	18	Clamp 6" set .	Clamp 6" set .	2	sets	4580.00	9160.00
	19	Saw set Stanley type	Tool maker clamp	4	Nos	2480.00	9920.00
	20	Saw compass 16" ,.	Saw compass 16" ,.	4	Nos	670.00	2680.00
	21	Saw Adze 4"	Saw Adze 4"	4	Nos	2260.00	9040.00
	22	Saw hand 26' .	Tool maker clamp	4	Nos	1560.00	6240.00
	23	Saw vice .	Saw vice .	1	No	4160.00	4160.00
	24	Pincer 6"	Pincer 6"	8	Nos	280.00	2240.00
	25	Goggles pair	Goggles pair	4	pairs	280.00	1120.00
	26	Plane, trying 2½"	Plane, trying 2½"	4	Nos	2490.00	9960.00
	27	Plane, rabbet adjustable ¼" to 1/3" cutter	Plane, rabbet adjustable ¼" to 1/3" cutter	4	Nos	4260.00	17040.00
	28	Plane, grooving ¼" cutting .	Plane, grooving ¼" cutting .	4	Nos	2780.00	11120.00
	29	Plane, plough fitted with Srew and set of cutters to 1/2"	Plane, plough fitted with Srew and set of cutters to 1/2"	4	Nos	3849.00	15396.00
	30	Plane, circular adjustable	Plane, circular adjustable	2	Nos	4260.00	8520.00
	31	Hammer, claw 1½" lbs.	Hammer, claw	4	Nos	330.00	1320.00
	32	Screw driver 16"	Screw driver 16"	2	Nos	760.00	1520.00

Pages 6 of 8

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -1 HAND TOOLS

I	II	III	IV	V	VI	VII	VIII
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CARPENTRY

33	Screw driver 9" London pattern .	Screw driver 9" London pattern .	4	Nos	310.00	1240.00
34	File, rasp bastard 10"	wood rasp file	8	Nos	920.00	7360.00
35	Chisel, mortice 1/8" to 3/4" by 1/4" set of 6	Chisel, mortice 1/8" to 3/4" by 1/4" set of 6	8	sets	1320.00	10560.00
36	Bit, ratchet brace 10"	Bit, ratchet brace 10"	4	Nos	620.00	2480.00
37	Bit, centre 1/4", 5/16", 3/8" and 1/2" set of 4	Bit, centre 1/4", 5/16", 3/8" and 1/2" set of 4	4	sets	1140.00	4560.00
38	Auger 1/2", 5/8", 3/4", 7/8" and 1" set of 5	Auger set	2	sets	1340.00	2680.00
39	Meter box 24" X 24"	wooden Mitre box	4	Nos	670.00	2680.00
40	Gauge, firmer 1/4", 3/8" 1/2" and 5/8" set of 4-	Gauge, firmer 1/4", 3/8" 1/2" and 5/8" set of 4-	4	sets	1860.00	7440.00
41	Punch, nail	Punch, nail	8	Nos	80.00	640.00
42	Spoke, shave 2" cutter	Spoke, shave 2" cutter	8	Nos	580.00	4640.00
43	Pot, glue 5lbs	Pot, glue	1	No	430.00	430.00
44	Countersink rose bits 1/4" to 1/2" by 1/8" each	Countersink rose bits 1/4" to 1/2" by 1/8" each	4	Nos	780.00	3120.00
45	Saw file taper 6"	Saw file taper 6"	4	Nos	82.00	328.00
46	Wing compass 10" or 12" ,	Compass wing 12"	2	Nos	380.00	760.00
47	Scriber 6" .	Scriber 150 mm	2	Nos	240.00	480.00
48	Odd leg caliper	jenic Odd leg caliper	2	Nos	360.00	720.00
49	Steel rule 6"	Steel rule 6"	4	Nos	120.00	480.00
50	Divider 6"	Divider 6"	4	Nos	140.00	560.00
51	Centre punch	Centre punch	4	Nos	155.00	620.00
52	Hammer, ball pien 1 1/4 lbs handled	Hammer, ball pien 1 1/4 lbs handled	4	Nos	400.00	1600.00
53	Chisel cold flat 3/4"	Chisel cold flat 3/4"	4	Nos	350.00	1400.00
54	Chisel, cold ross cut 3/8"	Chisel, cold ross cut 3/8"	4	Nos	380.00	1520.00
55	File, flat rough 14"	File, flat rough 14"	4	Nos	360.00	1440.00
56	File, half round 2nd cut 10"	File, half round 2nd cut 10"	4	Nos	780.00	3120.00
57	File, round 2nd cut 8"	File, round 2nd cut 8"	4	Nos	380.00	1520.00
58	Scribing block .	Scriber Block Universal 300 mm	1	No	8540.00	8540.00
59	V-Block 3" X 1 1/2" pair	V-Block, with clamp 75 mm.	1	pair	3260.00	3260.00
60	Hand drill 1/4" capacity	Hand drill 1/4" capacity	1	No	480.00	480.00
61	Twist drill 1/8" to 1/4" by 1/16"	S.S Twist drill 3 mm,5 mm, 6 mm, and 4 mm	1	set	340.00	340.00
62	B.S.W. taps, stocks and dies 1/8" to 3/4" by 1/16"	B.S.W. taps, stocks and dies 1/4,3/4	1	set	7620.00	7620.00
63	Hacksaw frame adjustable for 8" to 12" blades	Hacksaw frame adjustable for 8" to 12" blades	2	Nos	430.00	860.00

PACKAGE -1 HAND TOOLS

I	II	III	IV	V	VI	VII	VIII
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CARPENTRY	64	Cramp, Carpenter 4 ft.	Cramp, Carpenter 4 ft.	4	Nos	1140.00	4560.00
	65	Cramp, Carpenter 6 ft.	Cramp, Carpenter 6 ft.	2	Nos	1820.00	3640.00
	66	Bench vice 4" jaws	Bench vice 4" jaws	4	Nos	4180.00	16720.00
	67	Vice Carpenter 8" jaws.	Vice Carpenter 8" jaws.	16	Nos	1980.00	31680.00
	68	Portable electric drill complete with kit comprising sawing polishing, sanding accessories.	Portable electric drill sanding accessories.	1	No	5800.00	5800.00
	69	Ball baring brume	Ball baring brume	2	Nos		0.00
	70	A fire extinguisher	Fire Extinguisher,9 ltr	2	Nos	9850.00	19700.00
	71	A fire buckets .	Fire buckets(Set o Three) with stand	4	Nos	4400.00	17600.00
ITE&SM	1	Combination Pliers ,	Combination Pliers ,	17	Nos	250.00	4250.00
	2	Long nose Plier	Long nose Plier	17	Nos	470.00	7990.00
	3	Side Cutter	Side Cutter	10	Nos	495.00	4950.00
	4	Spanner set	Spanner set	5	Set	585.00	2925.00
	5	File	File	3	Nos	840.00	2520.00
	6	Screw Driver Set	Screw Driver Set	17	Nos	1860.00	31620.00
	7	Soldering Iron (25 W)	Soldering Iron (25 W)	10	Nos	350.00	3500.00
	8	Desoldering Pump	Desoldering Pump	10	Nos	360.00	3600.00
	9	Neon tester	Neon tester	17	Nos	75.00	1275.00
	10	Hand Drilling Machine motorised	Hand Drilling Machine motorised	1	No	7320.00	7320.00
	11	Rubber Gloves	Rubber Gloves	3	Pair	580.00	1740.00
	12	Tweezer	Tweezer	16	Nos	95.00	1520.00
	13	Watch Maker Screw Driver	Watch Maker Screw Driver	8	Sets	480.00	3840.00
	TOTAL						

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -2 EQUIPMENTS & MACHINERIES

TRADE	SL.NO	PARTICULARS	SPECIFICATION	QNTY	UNIT	RATE	AMOUNT
I	II	III	IV	V	VI	VII	VIII
DRAUGHTSMAN (CIVIL)	1	Geometrical Models (Wooden) as per given below		1	Set	1360.00	1360.00
		(i) Cube 08 cm sides	Cube 08 cm sides	2	Nos		
		(ii) Rectangular parallel piped 8 cm x 15 cm	Rectangular parallel piped 8 cm x 15 cm	2	Nos		
		(iii) Sphere 8 cm dia.	Sphere 8 cm dia.	2	Nos		
		(iv) Light circular core 8 cm dia base 15 cm vertical height	Light circular core 8 cm dia base 15 cm vertical height	2	Nos		
		(v) Square pyramid 8 cm side base and 15 cm vertical height	Square pyramid 8 cm side base and 15 cm vertical height	2	Nos		
		(vi) Cylinder 8 cm dia. 15 cm height	Cylinder 8 cm dia. 15 cm height	2	Nos		
		(vii) Prisms triangular 8 cm sides triangle and 15 cm length	Prisms triangular 8 cm sides triangle and 15 cm length		Nos		
		(viii) Prism hexagonal 8 cm sides hexagon and 15 sm length.	Prism hexagonal 8 cm sides hexagon and 15 sm length.	2	Nos		
	2	Drafting Machine- Vertical type complete with drawing board adjustable table and pair of metric scales 30 cm and 40 cm long.	Drafting Machine- Vertical type complete with drawing board adjustable table and pair of metric scales 30 cm and 40 cm long.	4	Nos	49500.00	198000.00
	3	Drafting Machine - Horizontal type complete with drawing board size adjustable table with pair or metric scales 30 cm and 40 cm long.	Drafting Machine - Horizontal type complete with drawing board size adjustable table with pair or metric scales 30 cm and 40 cm long.	4	Nos	38500.00	154000.00
4	PC-Latest Version - for Auto CAD	Multimedia Desktop Computer System with Licensed Operating System (core i5 Processor, 4 GB DDR-3 RAM, 250 GB HDD, 21" Color TFT Monitor, 500kVA APC UPS, Optical Mouse & Keyboard)	5	Nos	45800.00	229000.00	
5	a) Plotter	Plotter	1	Nos	265500.00	265500.00	
	b) Printer (Deskjet/ Leaser Jet)	Printer (Deskjet/ Leaser Jet)	1	Nos	10800.00	10800.00	
6	Print Trimmer cutting edge 100 cm	Print Trimmer cutting edge 100 cm	1	Nos	4250.00	4250.00	
7	Architect Desktop (latest)	Architect Desktop (latest)	5	Nos	45800.00	229000.00	

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -2 EQUIPMENTS & MACHINERIES

I	II	III	IV	V	VI	VII	
DRAUGHTSMAN (CIVIL)	8	Server	Server	1	Nos	215000.00	215000.00
	9	UPS 5 KV	UPS 5 KVA ,30 minute backup	2	Nos	115000.00	230000.00
	10	Dumpy Level builder 25cm local length x 23mm complete with box and accessories and stand	Dumpy Level builder 25cm local length x 23mm complete with box and accessories and stand	2	nos	19650.00	39300.00
DRAUGHTSMAN (MACHANICAL)	1	Universal Drafting Machine 1500*1000 mm complete with Accessories.	Universal Drafting Machine 1500*1000 mm complete with Accessories.	2	Nos	49500.00	99000.00
	2	Computer(Pentium IV) Latest version compatible with the latest version of the software GB-HDD, 1.7 GHz CPU, 52*CD ROM, 15" Colour Monitor KB+Mouse	Computer(Pentium IV) Latest version compatible with the latest version of the software GB-HDD, 1.7 GHz CPU, 52*CD ROM, 15" Colour Monitor KB+Mouse	8	Nos	43200.00	345600.00
	B)	Server (True Dedicated Server)	Server (True Dedicated Server)	1	Nos	215000.00	215000.00
	C)	Software:MS-office 2000 or latest version Auto-CAD 2000 with power pack or latest version,8 users licenced	Software:MS-office 2000 or latest version Auto-CAD 2000 with power pack or latest version,8 users licenced	1	Nos	145600.00	145600.00
	D)	Plotter (Max. A3 size)	Plotter (Max. A3 size)	1	Nos	185400.00	185400.00
	E)	Laser Jet printer latest model 1200*1200 dpl, MB	Laser Jet printer latest model 1200*1200 dpl, MB	1	Nos	10800.00	10800.00
	F)	UPS - 5 KVA	UPS 5 KVA ,30 minute backup	2	Nos	115000.00	230000.00
	3	Ammonia Printing Machine (continuous type)	Ammonia Printing Machine	1	Nos	55600.00	55600.00
SURVEYOR	1	Drawing Machine (Table)	Drwing Machine (Table)	16	Nos	12600.00	201600.00
		(b) Ferro printing frame 800 x 600mm	(b) Ferro printing frame 800 x 600mm	1		22300.00	
	2	Light tracing board fitted glass, Lamp and frame	Light tracing board fitted glass, Lamp and frame	4	Nos	25600.00	102400.00
	3	Leveling staff telescope	Leveling staff telescope	10	Nos	5420.00	54200.00
	4	(a) Plane table with stand with waterproof cover	(a) Plane table with stand with waterproof cover	4	Nos	12760.00	51040.00
		(b) Alidade	Alidade	4	Nos	1650.00	6600.00
		(c) Through compass (compass beam wooden)	Through compass (compass beam wooden)	8	Nos	650.00	5200.00
		(d) Plumbing fork with bobs	Plumbing fork with bobs	8	Nos	790.00	6320.00
		(e) Telescopic alidade	Telescopic alidade	8	Nos	9200.00	73600.00
	(f) Indian pattern clinometer	Indian pattern clinometer	8	Nos	3250.00	26000.00	
CARPENTRY	1	A Saw circular 12" dia. motorised	A Saw circular 12" dia. motorised	1	No	48490.00	48490.00

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -2 EQUIPMENTS & MACHINERIES

I	II	III	IV	V	VI	VII	
CARPENTRY	2	Lathe, wood working 6" ht. of centres, 16 bed motorised complete with a set of turning tools.	Lathe, wood working 6" ht. of centres, 16 bed motorised complete with a set of turning tools.	1	No	18800.00	18800.00
	3	Planner 12"	Plane Jack 18" wooden stock 2" cutter	1	No	2860.00	2860.00
	4	A Bench Grinder 6" wheels D.E.	A Bench Grinder 8" wheels D.E.	1	No	9985.00	9985.00
(B)EXISTING TRADE							
IT&ESM	1	Power Supply 0-30 V, 2 Amps	Power Supply 0-30 V, 2 Amps	5	Nos	6980.00	34900.00
	2	Power Supply 30-0-30 V, 2 Amps	Power Supply 30-0-30 V, 2 Amps	5	Nos	19360.00	96800.00
	3	DC Servo Motor ½ HP	DC Servo Motor ½ HP	1	No	29500.00	29500.00
	4	Linear IC Trainer kit	Linear IC Trainer kit,+12 V/500 mA regulated power supply;+(1.2-30 V) variable,-12 V/500 mA regulated power supply;-(1.2-30 V) variable,	4	Nos.	21300.00	85200.00
	5	AC Servo Motor ½ HP	AC Servo Motor ½ HP	1	No	28500.00	28500.00
	6	Non contact Tacho Generator	Digital typeTacho Generator	1	No	4930.00	4930.00
	7	UPS Trainer 500VA	Microcontroller based UPS ,which has advantage over cinventional UPS,Normal Input voltage:single phase 230 V AC 50 Hz,Transfer voltage threshold:140 V AC and 270 V AC,Maximum load:600 VA (380 watts),nominal output voltage:225 AC +/- 8% use true RMS responding meter	1	No	32800.00	32800.00
	8	SMPS	SMPS open frame type 12 V/10 A	5	Nos	5240.00	26200.00
	9	RF Signal Generator	AF/RF oscillator 30 Hz to 20 MHz,accuracy within 20%,output voltage approx. 0.1 V,modulated frequency approx. 1 KHz,power source 220 V A.C. 50/60 Hz	1		22300.00	22300.00
	10	LCD/LED TV Receiver	LCD/LED TV	2	Nos.	33650.00	67300.00
	11	DTH Receiver (TVRO Terminal with LNB and Receiver)	DTH Receiver (TVRO Terminal with LNB and Receiver)	1	set	2490.00	2490.00
	12	Cable TV Line Amplifier	Cable TV Line Amplifier	2	Nos.	3850.00	7700.00

**PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-
PACKAGE -2 EQUIPMENTS & MACHINERIES**

I	II	III	IV	V	VI	VII	VIII
IT&ESM	14	Application boards for Microprocessor and Microcontroller kits	Application boards for Microprocessor and Microcontroller kits	5	Each	23650.00	118250.00
	15	Cell Phone Receiver	Cell Phone Receiver	1	No	9850.00	9850.00
	16	Scanner Flatbed	Scanner Flatbed	1	No.	5500.00	5500.00
	17	Hub – 8 Port	Hub – 8 Port	1	No.	4850.00	4850.00
	18	Terminal Adopter	Terminal Adopter	1	No.	9560.00	9560.00
	19	LAN Switch – 24 port	LAN Switch – 24 port	1	No.	29500.00	29500.00
	20	LAN Tester	LAN Tester	3	Nos.	8500.00	25500.00
	21	Fluke Meter	Fluke Meter	2	Nos	12650.00	25300.00
	24	PC Hardware Trainer Kits	PC Hardware Trainer Kits	4	Nos.	32500.00	130000.00
	69	L.C.D. Projector (latest model)	L.C.D. Projector (latest model)	1		95600.00	95600.00
	70	Spares for PC assembling Motherboards, Hard Disk Drives, RAM, Optical Mouses, Graphic Cards, LAN Cards, Cabinets, SMPS, Keyboards, printer cartridges, VGA cables, Power Cables, SATA Cables (power and data), IDE Cables, etc, as per requirement	Spares for PC assembling Motherboards, Hard Disk Drives, RAM, Optical Mouses, Graphic Cards, LAN Cards, Cabinets, SMPS, Keyboards, printer cartridges, VGA cables, Power Cables, SATA Cables (power and data), IDE Cables, etc, as per requirement	1	No.	78900.00	78900.00
							4441735.00

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -3 MEASURING INSTRUMENTS

TRADE	SL.N O	PARTICULARS	SPECIFICATION	QNTY	UNIT	RATE	AMOUNT
I	II	III	IV	V	VI	VII	VIII
DRAUGHTSMAN (CIVIL)	1	Radius curve metric-3 mm to 15 mm	Radius curve metric-3 mm to 15 mm	4	Nos	540.00	2160.00
	2	Clinograph wooden 18 cm	Clinograph wooden 18 cm	1	Nos	820.00	820.00
	3	Tracing table with plate glass 1250 x 900 cms	Tracing table with plate glass 1250 x 900 cms	1	Nos	27850.00	27850.00
	4	Printing frame 45 cm X 60 cm & 80 cm x 60 cm	Table drafting for boards	1	Nos	16500.00	16500.00
	5	Weighting triangle with tape 1250 x 900 cms	Weighting triangle with tape 1250 x 900 cms	2	Nos	5200.00	10400.00
	6	Pastle and mortar-Porcelain 3 mm, 6mm, 12 mm, 18 mm	Pastle and mortar-Porcelain 3 mm, 6mm, 12 mm, 18 mm	2	Nos	2750.00	5500.00
	7	Levelling staff 4 meters reading to 5 mm telescopic type	Levelling staff 4 meters reading to 5 mm telescopic type	2	Nos	5420.00	10840.00
	8	Prismatic compass with stand	Prismatic compass with stand	2	Nos	4100.00	8200.00
DRAUGHTSMAN (MACHANICAL)	1	Print Trimmer 1050 mm cutting edge	Print Trimmer 1050 mm cutting edge	1	Nos	4250.00	4250.00
	2	OHP Should be provided in each class room	OHP Should be provided in each class room	1	Nos	35000.00	35000.00
	3	L.C.D. Projector (Optional)	L.C.D. Projector (Optional)	1	Nos	98650.00	98650.00
	4	White board for using L.C.D projector (Optional)	White board for using L.C.D projector (Optional)	1	Nos	8900.00	8900.00
SURVEYOR	1	Black Board with Easel	Black Board with Casel	1	Nos	12500.00	12500.00
	2	Cup Board (Major)	Cup Board (Major)	8	Nos	12500.00	100000.00
	3	Computing scale two hectares	Computing scale two hectares	4	Nos	1760.00	7040.00
	4	Computing scale five hectares	Computing scale five hectares	4	Nos	1820.00	7280.00
	5	Fire Extinguisher	Fire Extinguisher,9 ltr	2	Nos	9850.00	19700.00
	6	Proportionate compass	Proportionate compass	16	Nos	620.00	9920.00
	7	Plan meter (Digital)	Plan meter (Digital)	2	Nos	95600.00	191200.00
	8	Prismtic compass	Prismtic compass	5	Nos	4650.00	23250.00
	9	Survey platting scales with off set bit (8 in a set)	Survey platting scales with off set bit (8 in a set)	16	Nos	625.00	10000.00
	10	Tapes					0.00
		a) Mettalic tape 30m	Mettalic tape 30m	10	Nos	880.00	8800.00
		b) Mettalic tape 20m	Mettalic tape 20m	10	Nos	780.00	7800.00
	c) Steel tape 30m	Steel tape 30m	2	Nos	1350.00	2700.00	

PROJECT : Vocational Training Improvement Project (VTIP) for Upgradation of Govt. Industrial Training Institute, Tura, Meghalaya, during Financial Year 2011-12

PACKAGE -3 MEASURING INSTRUMENTS

I	II	III	IV	V	VI	VII	VIII
SURVEYOR		d) steel Band 30m & 20m	d) steel Band 30m & 20m	2	Nos	2400.00	4800.00
	11	a) Theodolite transit	Theodolite transit	4	Nos	31200.00	124800.00
		b) Micrometer Theodolite transit	Micrometer Theodolite transit	1		295000.00	295000.00
	12	Traverse staff (Survey of India)	Traverse staff (Survey of India)	1	Nos	6620.00	6620.00
	13	Rules Ebonite plain for drawing lines	Rules Ebonite plain for drawing lines	16	Nos	750.00	12000.00
	14	Wooden set squares Tee Square and compass for black board work	Wooden set squares Tee Square and compass for black board work	1	set	1290.00	1290.00
CARPENTRY	1	Tape measuring steel,25 ft.	Steel measuring tape 20 metres	1	No	690.00	690.00
	2	Compass wing 12"	Compass wing 12"	8	Nos	380.00	3040.00
	3	Trammel	trammel 10"	2	Nos	1660.00	3320.00
							1080820.00