



नेपाल सरकार
शिक्षा, विज्ञान तथा प्रविधि मन्त्रालय
शिक्षा तथा मानव स्रोत विकास केन्द्र
साविक १९, काठमाडौं



प.सं.:-
च.नं.:- १५

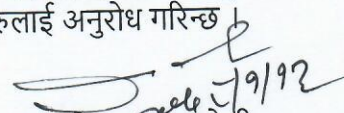
फोन : ६-६३८८५३
फ्याक्स : ६-६३५११३

मिति : २०७८।०१।१३

श्री सम्बन्धित विद्यालयहरु ।

विषय : कक्षा ९ देखि प्राविधिक धारका कक्षा सञ्चालन सम्बन्धमा ।

प्रस्तुत विषयमा विद्यालय तहमा प्राविधिक तथा व्यावसायिक शिक्षा विस्तार गर्ने नीति बमोजिम शैक्षिक सत्र २०७७।०७८ देखि कक्षा ९ मा प्राविधिक तथा व्यावसायिक धार सञ्चालन गर्न अनुदान छनौटमा परेका स्थानीय तह र विद्यालयको सूचि सार्वजनिक गरिएको छ । उक्त सूचिमा उल्लेख भए अनुसारका विषयमा विद्यालयहरुले तपशिलका बुदामा उल्लेखित शर्त पूरा गरी पठन-पाठन प्रक्रिया शुरु गर्नु गराउनु हुन सम्बन्धित विद्यालय साथै उक्त विद्यालयको अनुगमन तथा सहजीकरणका लागि सम्बन्धित स्थानीय तह तथा शिक्षा विकास तथा समन्वय इकाइहरुलाई अनुरोध गरिन्छ ।


सुरेश कुमार जोशी
निर्देशक

तपशिल:

1. अनुदानका छनौटमा परेका विद्यालयहरुले कक्षा सञ्चालनको अनुमति सम्बन्धित स्थानीय तहबाट लिएको हुनुपर्ने ।
2. शैक्षिक सत्र २०७७।०७८ मा छनौटमा परेका र कोभिड १९ का कारण गत वर्ष कक्षा सञ्चालन नगरेका विद्यालयहरुले यस शैक्षिक सत्रबाट विद्यार्थी भर्ना प्रक्रिया शुरु गर्ने । एउटा कक्षामा अधिकतम ४८ विद्यार्थी सहभागी गराउने ।
3. सम्बन्धित विषयमा अध्यापन गराउने विद्यालयले माध्यमिक शिक्षक तृतीय श्रेणी सरहको प्रशिक्षक एक जना र निम्न माध्यमिक तृतीय श्रेणीको शिक्षक सरहको सहायक प्रशिक्षक एक जना सम्बन्धित स्थानीय तह र शिक्षा विकास तथा समन्वय इकाइको समन्वयमा अनुमति लिइ प्रचलित कानून अनुसार अस्थाई करार शिक्षक नियुक्तिको प्रक्रिया पुर्याइ नियुक्त गर्ने । योग्यताको हकमा प्रशिक्षकको लागि सम्बन्धित विषयमा कम्तिमा स्नातक र सहायक प्रशिक्षकको हकमा सम्बन्धित विषयमा डिप्लोमा (CTEVT) र प्राविधिक तथा व्यावसायिक धार बाट कक्षा १२ उत्तीर्ण गरेको हुनु पर्ने ।
4. प्रशिक्षक, सहायक प्रशिक्षक र ल्याब व्यवस्थापन अनुदान सम्बन्धित स्थानीय तहमा निकासा भइ सकेकोले स्थानीय तहसँग आवश्यक समन्वय गरी निकासाको व्यवस्था मिलाउने ।
5. सबै स्थानीय तहमा प्राप्त ल्याव अनुदान वापतको रकम खर्च गर्दा केन्द्रको वेबसाइट (www.cehrd.gov.np) मा सामाग्रीको सूचि राखिएकोले उक्त सूचिमा उल्लेखित सामाग्री विद्यालयले सार्वजनिक खरिद ऐन तथा नियमावली उल्लेखित प्रावधान बमोजिम ल्याव व्यवस्थापन गर्ने ।

तोकिएको पूर्वधार नपुगेको र पाठ्यक्रमले तोके बमोजिमको पठन-पाठन सञ्चालन नभएको पाइएमा जुनसुकै बखत अनुदान रोक्का गर्न सकिने छ ।

वोद्यार्थ:

**सम्बन्धित स्थानीय तह: कक्षा सञ्चालनको अनुमति लगाएत प्रशिक्षक, सहायक प्रशिक्षक र केन्द्रीय वजेटबाट अनुदान निकासाको व्यवस्था मिलाइदिन हुन ।
सबै शिक्षा विकास तथा समन्वय इकाइ: आवश्यक सहजीकरण र समन्वय गरिदिनुहुन ।**

शैक्षिक सत्र २०७७ देखि प्राविधिक धार सचालनका लागि छनाट गरिएका विद्यालयहरू

क्रस	जिल्ला	प्रदेश	विद्यालयको नाम	स्थानीय तह	विषय
१	मोरङ	१	नरग्राम नमूना मावि	बुढीगंगा गाँउपालिका	वाली विज्ञान
२	भाजपुर	१	पञ्चकन्या मावि	रामप्रसादराई गाँउपालिका	वाली विज्ञान
३	भाजपुर	१	सगरमाथा मावि	हतुवागढी गाँउपालिका	वाली विज्ञान
४	उदयपुर	१	क्या. पशुराम पद्माराई मावि	लिम्बुङ-बुङ गाँउपालिका	कम्प्युटर ई.
५	उदयपुर	१	जनता मावि बेलका	बेलका	सिभिल ई.
६	सोलुखुम्बु	१	विरेन्द्रज्योती मावि	सोताङ गाँउपालिका	वाली विज्ञान
७	ताप्लेजुङ	१	पृथ्वी मावि खाम्लुङ	मोरिङ-देन गाँउपालिका	वाली विज्ञान
८	धनकुटा	१	भानु मावि डाँडाबजार	साँगुरीगढी गाँउपालिका	इलेक्ट्रिकल
९	धनकुटा	१	चुलाचुली मावि ताङ-खुवा	छथर जोरपाटी गाँउपालिका	वाली विज्ञान
१०	इलाम	१	सरस्वती मावि	माङसेवुङ गाँउपालिका	वाली विज्ञान

१ नम्बर प्रदेशमा जम्मा विद्यालय संख्या १० वटा

११	महोत्तरी	२	दुर्गा मावि	मनरा मनराशिसवा नगरपालिका	सिभिल ई.
१२	महोत्तरी	२	जनता राष्ट्रिय मा वि	धमोराबाल्वा नगरपालिका	सिभिल ई.
१३	बारा	२	रामचरित्र मावि जयनगर	आदर्श कोतावल	सिभिल ई.
१४	रौतहट	२	जनता मावि कठहरिया	कटहरिया नगरपालिका	सिभिल ई.
१५	सप्तरी	२	जनता मावि तरही	डाँकेश्वरी गापा ३	सिभिल ई.

२ नम्बर प्रदेशमा जम्मा विद्यालय संख्या ५ वटा

१६	ललितपुर	बाग्मती	बाघभैरव मावि	मांहाकाल गाँउपालिका	सिभिल ई.
१७	मकवानपुर	बाग्मती	सूर्योदय मावि	राक्सिराङ गाँउपालिका	वाली विज्ञान
१८	काठमाडौं	बाग्मती	सितापाइला मावि लाम्पाखा	नागार्जुन नगरपालिका	इलेक्ट्रिकल ई.
१९	दोलखा	बाग्मती	हलेश्वर मावि	गोरीशंकर गापा	कम्प्युटर ई.
२०	धादिङ	बाग्मती	निरञ्जना मावि	नेत्रावती डबजाङ गाँउपालिका	सिभिल ई.
२१	सिन्धुपाल्चोक	बाग्मती	रत्नराज्य मावि	जुगल गाँउपालिका	सिभिल ई.
२२	सिन्धुपाल्चोक	बाग्मती	बुद्धोदय मा वि	लिसङ-खुपाखुरा गाँउपालिका	कम्प्युटर ई.

बाग्मती प्रदेशमा जम्मा विद्यालय संख्या ७ वटा

२३	बाग्लुङ	गण्डकी	उत्तरगंगा मावि	ढोरपाटन नगरपालिका	सिभिल ई.
२४	नवलपरासी पुर्वाञ्चल	गण्डकी	जनजागृति मा.वि.	बुलिङ-टार गाँउपालिका	वाली विज्ञान
२५	स्याङजा	गण्डकी	माहिमा मावि	हरिनास गाँउपालिका	वाली विज्ञान
२६	स्याङजा	गण्डकी	नवज्योति मावि	विरुवा गाँउपालिका	कम्प्युटर ई.
२७	कास्की	गण्डकी	वैरेठाटी मावि	अन्नपुर्ण गाँउपालिका	कम्प्युटर ई.
२८	म्याग्दी	गण्डकी	ताकम मावि	धवलागिरी गाँउपालिका	इलेक्ट्रिकल ई.

गण्डकी प्रदेशमा जम्मा विद्यालय संख्या ६ वटा

२९	रोल्पा	५	कृष्ण मावि	माडी गाँउपालिका	वाली विज्ञान
३०	अर्घाखाँची	५	विरेन्द्र मावि	मालारानी गाँउपालिका	इलेक्ट्रिकल ई.
३१	नवलपरासी पश्चिम	५	आदर्श मावि खोखरपुरा	सरावल गाँउपालिका	सिभिल ई.
३२	बाँके	५	जयाकेसान मावि	नरेनापुर गापा	वाली विज्ञान
३३	रोल्पा	५	बुद्धिविकास मावि	गंगदेव गापा	कम्प्युटर ई.
३४	गुल्मी	५	मालिका मावि	मालिका गाँउपालिका	वाली विज्ञान

५ न. प्रदेशमा जम्मा विद्यालय संख्या ६ वटा

३५	सल्यान	कर्णाली	शारदा जनकल्याण मावि	कालिमाटी गाँउपालिका	वाली विज्ञान
३६	डोल्पा	कर्णाली	अरनिको मावि	काइके गाँउपालिका	कम्प्युटर ई.
३७	डोल्पा	कर्णाली	कालिका मावि	मुड्केचुला गाँउपालिका	पशु विज्ञान

कर्णाली प्रदेशमा जम्मा विद्यालय संख्या ३ वटा

३८	डडेलधुरा	सुप	वीरबलभद्र मावि	नवदुर्गा गाँउपालिका	सिभिल ई.
३९	अछाम	सुप	गुरुकुल मावि	ढकारी गाँउपालिका	सिभिल ई.
४०	बझाङ	सुप	महेश्वरी मावि	खप्तडछत्रा गाँउपालिका	वाली विज्ञान
४१	डडेलधुरा	सुप	सरस्वती मावि	भगेश्वर गाँउपालिका	वाली विज्ञान
४२	डोटी	सुप	खत्याडी मावि	बोगटान फुडसिल गाँउपालिका	वाली विज्ञान
४३	बाजुरा	सुप	दशरथ मावि	खप्तडछेडेदह गाँउपालिका	वाली विज्ञान
४४	बाजुरा	सुप	कित्तौचौर मावि	गोमूल गाँउपालिका	वाली विज्ञान

सुदूर पश्चिम प्रदेशमा जम्मा विद्यालय संख्या ७ वटा

आगामा वर्षको कार्यक्रमबाट अनुदान निकासी हुने गरा गत वर्ष न निर्णय भएका ६ विद्यालयहरू					
१	ओखलढुङ्गा	१	शिवदुती मावि	मोर्लुङ गापा	सिभिल ई.
२	खोटाङ	१	भगवती दिनानाथ मावि	खोटेहाङ	वाली विज्ञान
३	महोत्तरी	२	रामनारायण अयोध्या उ मा वि	पिपरा गा पा ४	कृषि प्राविधिक
४	लमजुङ	गण्डकी	शिशुविद्याश्रम मावि	राइनास गापा	सिभिल ई.
५	कास्की	गण्डकी	अम्बिका मावि	पोखरा मनपा	कम्प्युटर ई.
६	धादिङ	बाग्मती	कार्की गाँउ मावि	त्रिपुरासुन्दरी गाँउपालिका	पशु विज्ञान

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

No	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
0	Extension Ladder: sliding type of two pieces of aluminum construction, 20 ft. in length with adjustable hooks	1	set	15000	15000	
0	Assembled Computer: Intel 3rd Generation Core i5 3.2 GHz upto 3.6 GHz, 4 core/4threads, 6ML3cache, 5GT/S, Motherboard: MSI H/Board H61M-P20 supporting Intel 3rd Gen RAM: 4 GB DDR3 1333MHz HARD DISK: 1TB, 7200RPM, (Seagate/Western Digital, LED Monitor 18.5" Samsung/Dell/Acer, DVDRW, Multimedia Keyboard, Optical Mouse, Normal Speaker, ATX Casing with 450 watt power supply, All Complete with pre installed software: Window 7, Office 2010, Auto CAD, 4 way extension cord (Sargam power strip flat & round plug), & Kaspersky Antivirus.	14	set	55000	770000	
121	Printer Laser: A4 size duplex, 600X600 dpi Print speed: 21copies per minute	2	set	20000	40000	
122	UPS: JD Kee/Prolink/Power Tree, 1.20 KVA	9	set	8000	72000	
123	Photocopier: A4-A3 size, 18-20 copies per minute, Paper Tray Capacity 250-300 sheets, continues copies 250-300, zoom:25-400%	1	set	150000	150000	
124	Fax Machine: Laser type Canon L -170	1	set	30000	30000	
			Sub Total		5,691,730.00	
			Add 13% VAT:		739,924.90	
			Grand Total:		6,431,654.90	

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

No	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
8	Vernier Theodolite: diameter of objective: 40mm, image: erect, telescopic length: 175mm, additional constant: 0", plate level: 40 seconds per 2mm, alidade level: 20 seconds per 2mm, magnification: 26X, vernier accuracy: 20 seconds, stadia: 1:100, supplied complete with spare diaphragm glass, diaphragm extractor with glass shade & dust shutters, screwdrivers, capstan bar, spanner, cleaning brush, oil bottle, plumb bob, tommy pins, sun shade cover, filter for eye piece. Supplied with aluminum telescopic tripod, heavy type, in powder coated in two colors RED/YELLOW in strong canvas cover. Good quality, Indian made set	3		38000	114000	
09	Measuring Tape: Freemans, with level, 3 mtrs	30		150	4500	
110	Steel Ruler: stainless steel, rust less, graduated both sides, 300mm (12"), Ludhra India	30		300	9000	
111	Triangular Scale: Steadtler or Hope, Japan made, 300mm	30		1600	48000	
112	Plumb Bob: supplied with 15 mtr. of line, made of brass, 200 grams	30		360	10800	
113	Adjustable Set Square: plastic, 300mm, steadtler or Hope/Rottering, Japan set	30		1480	44400	
114	Abney Hand Level: telescopic, 7" size, Japan made	6		9800	58800	
115	Pedometer: original Japan made	6		4500	27000	
116	Prismatic compass: with Tripod, good quality, India made	4		5000	20000	
117	Lettering set: 13 CL, Hope/ steadtler Japan, complete set	2	set	22000	44000	
118	Digital Theodolite: with 3 leg Aluminum Tripod, Japan made	1	set	325000	325000	
119	Automatic Level: with 3 leg aluminum tripod, Japan made	4	set	75000	300000	

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

lo	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
	Digital Multimeter: 1000 volt, DC, original Taiwan made	5		2700	13500	
	Extension Cable with cable drum: Fitted with 13A socket outlet, MOMO, Malaysia made	2		4500	9000	
	Drawing board made of good quality wood (first class roorki made), for use on table or desktop, size 23" X 32" X ½", complete with 36" OMEGA original T square set	40		3200	128000	
	Measuring tape: fiber glass with PVC coating, supplied in PVC covered case with flush fitting rewing handle. Freemans, India					
	i. 30 M	10		1600	16000	
	ii. 50 M	10		3000	30000	
101	Survey Chain: Engineer's revenue chain, metal construction, 30 mtrs in length	6		4200	25200	
102	Arrow: good quality metal construction	60		225	13500	
103	Ranging Rod: made of good quality wood, 3 mtrs long, single section	30		575	17250	
104	Surver's compass: with tripod, good quality Indian made	3		5700	17100	
105	Leveling staff: 4 mtrs. 3 section aluminum staff, rugged construction, Japan made	8		8000	64000	
106	Altimeter: 4500 mtrs, Japan made	6		7000	42000	
	Plain table with tripod: good quality, India made, supplied complete with wooden board 23" X 32" side vane, level, compass, tripod, U fork, plumb bob set	6		9500	57000	

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

o	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
iii)	0-10A	15		325	4875	
	Volt Meters: AE Co.					
i)	30 volt DC	15		325	4875	
ii)	250 volt DC	15		325	4875	
iii)	500 volt DC	15		325	4875	
	Analog Multimeter: 250mA, 500V, AC/DC, 3000KV with testing lead, KYORISTU, Japan	6		4500	27000	
	Megger: 5 Mohm, 1000 volt, KYORISTU, Japan	2		14000	28000	
	Energy Meter: 5-30 Amp. Single phase, 240 volt, export quality, PRC made	13		500	6500	
	MCB: Single phase, MALAYSIAN/good quality Indian					
i)	6A	20		200	4000	
ii)	16A	20		400	8000	
iii)	20A	15		500	7500	
iv)	32A	9		600	5400	
	Wire Stripper: Insulated type, 8" size, suitable for different sizes of wires, DAYTON, Taiwan/TAPARIA, India	15		625	9375	
	Scissors: Stainless steel, 7" length, blade width 2", good quality	20		270	5400	
	Electrician Cable Knife: 7" length, blade width 2", good quality	40		110	4400	
	Engineer's Try Square: Precision type, 150 mm size	15		600	9000	
	Long nose plier: PVC insulated handle, 5" size, TAPARIA/LUDHRA, India	40		310	12400	
	Line Tester: 4" long, heavy duty, TAPARIA	50		80	4000	
	Combination Plier: PVC insulated handle, 20mm size, ERN/TAPARIA, India	45		350	15750	
	Side Cutter: 150mm, PVC insulated handle, DAYTON, Taiwan/TAPARIA, India	35		350	12250	
	Scriber: Double end scriber, 180mm size	35		180	6300	
	Digital Clamp on Meter: 600A, AC, 750 volt with testing lead, original Taiwan made	4		6200	24800	

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
	Joiner's (carpenter's) Try Square: blue steel blade, hardened & ground. Parallel edges, rose wood stock grooved for gripping, secured with steel rivets				0	
	i) 6"	30		190	5700	
	ii) 12"	30		310	9300	
	Crow Bar (Case Opener): made from high quality octagon section carbon steel, overall length 750mm	15		525	15750	
	Sash Bar Cramps (Sikanja): Quality metal construction, heavy type, INDER/LUDHRA, India					
	i) 36" size	13		600	16800	
	ii) 60" size	15		1500	19500	
	Nail Punch: Hardened and tempered steel with knurled body. Length 4"	55		100	1500	
	G Clamp: different sizes general clamp ribbed iron frame and swivel shot to provide efficient grip on angled faces. Max. capacity in mm:					
	i) 50	40		200	8000	
	ii) 100	42		300	12000	
	iii) 150	15		350	14700	
	iv) 200	15		400	6000	
	v) 250	15		450	6750	
7	Carpenter's Auger: Heavy duty					
	i) 1/4"	30		240	7200	
	ii) 3/8"	30		240	7200	
	iii) 1/2"	30		280	8400	
	iv) 3/4"	30		395	11850	
	v) 1"	30		425	12750	
8	File Brush: with wooden handle, 6" size	303		90	2700	
9	Wire Brush: cast steel wire brush, 5 rows	30		90	27270	
10	Heavy Duty Tool Boxes: Folding (cantilever) type, heavy gauge steel construction, finished with hard wearing cellulose paint and pad lock & keys, 21" X 9" (five cabin)	38		2500	75000	
11	Ammeter: AE Co.					
	i) 0-1A	15		325	4875	
	ii) 0-5A	15		325	4875	

of Tools and Equipment required for School for Technical and Vocational Education in Civil

Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
vi) 25mm	35		600	24000	
vii) 32mm	20		700	24500	
viii) 38mm	20		700	14000	
Carpenter's Chisels: Mortise chisels, ANANTA, India					
i) 6mm	35		385	13475	
ii) 9mm	35		385	13475	
iii) 12mm	45		500	17500	
iv) 16mm	40		500	22500	
v) 19mm	40		500	20000	
vi) 25mm	40		800	32000	
vii) 32mm	15		900	36000	
Electric Planer: Hitachi original, 570 watt, cutting width:82mm, cutting depth: 1mm, speed: 1500, Japanese made	8		12000	180000	
2 Oil Stone: Grindwell, Norton	35		325	2600	
3 Claw Hammer: with hickory handle, 450g. weight, export quality, PRC made	55		500	17500	
4 Carpenter's Wooden Mallet: made from quality beech wood head & hard wood shaft, 4 1/2" size	60		175	9625	
75 Combination plier: 200mm, PVC insulated grip, ERN, Taparia, India	55		330	19800	
76 Wood Rasp File: Half round with handle, 12" size, JK, India	40		570	31350	
Steel Rule: Both side graduated, stainless steel, rust less, 300mm size LUDHRA/SHARP/TAPARIA	35		300	12000	
78 Breast Drill: 3 jaw chuck for any straight shank drills, side handle detachable, 2 speed, enclosed gears, chuck capacity:13mm	9		1100	38500	
79 Safety Goggles: clear type, TAIWAN/INDIA, good quality	50		150	1350	
80 Adze (Basila): drop forged high grade steel head with hardened & tempered working faces	15		510	25500	
81 Carpenter's Pincer: single joint, polished, black finish 8" size, good quality	38		180	2700	

Estimate List of Tools and Equipment required for School for Technical and Vocational Education in Civil

m No	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
1	Iron Hammer: with hickory handle, good quality					
	i) Ball peen hammer: 450-g. wt.	30		250	7500	
	ii) Club Hammer: 2 kg. wt.	30		300	9000	
2	Masson's Sledge Hammer: Double face, with hickory long handle and carbon steel head: 6 kg wt.	20		700	14000	
3	Pick Axe: available standard size with handle, heavy type, good quality	20		350	7000	
4	Masson's Chuppi (Brick cutter): Local made, heavy quality, 10" size	30		275	8250	
	Shovel: with handle, heavy type, KIWI	20		250	5000	
	Cold Flat Chisel: high quality carbon steel made, TAPARIA, India					
	i) 12" X 1"	35		480	16800	
	ii) ½" X 8"	45		300	13500	
7	Trowel: high quality, thick metal construction					
	i) Broad Heal	30		125	3750	
	ii) Finishing	30		125	3750	
	iii) Jointer	30		125	3750	
8	Floats: High quality					
	i) Straight grained seasoned wooden, 10" X 4", handle attached	30		300	9000	
	ii) Thick type metal, handle attached 10" X 4" size	30		300	9000	
9	Engineer's Try Square: stainless steel, rust less, 24" arm length, good quality	55		750	41250	
10	Steel Rule: Both side graduated, stainless steel, rust less, good quality					
	i) 300mm	55		300	16500	
	ii) 600mm	30		400	12000	
11	Spirit Level: Aluminum constructed body, PRC made, good quality					
	i) 12" size	30		450	13500	
	ii) 24" size	30		725	21750	
12	Plumb Bob: 140 g. wt. corrosive resistant steel bob with brass screws	30		360	10800	
13	Straight Edge: made by Sal wood, not graduated, 2" X 1" X 48" length, smooth finished	60		500	30000	

ite List of Tools and Equipment required for School for Technical and Vocational Education in Civil

Item No	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
45	GI Bucket: Heavy duty, 11" size (30 ltrs. capacity)	15		950	14250	
46	Oil can with spout: Heavy gauge, 500cc (1 pint), Preema, India	30		140	4200	
47	Chain Pipe Vices: Standard type for fixing to bench or post. Fix up 1/2" to 2 1/2" pipe, LUDHRA, India	8		2500	20000	
48	Simple Knife: for using HDPE pipe, 10" long with wooden handle	30		200	6000	
49	Tin Snips: Heavy type, 10" size, straight	30		580	17400	
50	Water Pump Pliers: Adjustable, slip joint type, chrome plated with pipe grip, 10" size, TAPARIA/LUDHRA, India	30		425	12750	
51	Adjustable Spanner (Slide wrench): 10" size, jaw opening 13-25mm, TAPARIA, India	30		358	10740	
52	Pipe Reamer (G.I.): for easy cutting, high speed, cutting capacity 1" to 2"	15		3500	52500	
53	Box Wrench set: socket set, 10 to 32mm size, supplied in metal or strong wooden box, JHALANI co. India	6		7000	42000	
54	Double open ended spanner: 6-22mm size, supplied in PVC wallet, JHALANI, India	4		2500	10000	
55	Double ended ring spanner: 6-32 mm size, supplied in PVC wallet, JHALANI, India	5		2480	12400	
56	Micrometer: Ext. 0-25mm range, 0.01mm reading, Good Quality	6		4500	27000	
57	Double Ended Grinding Machine: 8" size, fitted with heavy duty motor with good quality grinding wheels, supplied complete with eye shield, tool rest & 2 set of spare wheels, 220V, 1 phase, PRC made export quality	3		7000	21000	
58	Bench Drilling Machine: 13mm capacity, 580-2600rpm, 1/3 hp motor, supplied complete with drill vice & complete set	3		9500	28500	
59	Engineer's Try Square: workshop grade hardened & tempered blade, 150mm size	15		250	3750	

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
Half-round, 2 nd cut, 12" size	25		890	22250	
Triangular, 2 nd cut 12" size	25		890	22250	
Needle File set: 12 pcs. set in PVC wallet 1 mm needle file assorted type, BONUS, India	13		360	4680	
Open end wrench: Ludhra/Inder/Taparia 300 mm	30		380	11400	
450 mm	30		950	28500	
Tap and die set: Ludhra, India, 2" to 4" capacity.	10		1100	11000	
Die Pipe Threader: 1/2" to 1", LUDHRA, India	18		2700	48600	
Die stock set: 1/2" to 1" size, complete set, LUDHRA, India	10		3000	30000	
1 1/2" to 2" size, INDER, India	8		6000	48000	
Die Pipe Cutter: Three wheel type, 1/2" to 2" size, supplied complete with 15 pcs of spare wheels for each set, LUDHRA, India	15		2000	30000	
Vernier Caliper: 6" size, stainless steel, rust less, PRC made, precision type	30		1100	33000	
Soldering Iron: 100 watt, supplied with cable and 2 pack of soldering flux	15		1200	18000	
Portable Pipe Bender: capacity 1/2" to 2", complete set, INDER, India	3		35000	105000	
Caulking Tools: Long flat yarning tool, right hand double ranked, 1/2" size	10		600	6000	
Flow Meter: KRUNTI, India					
i) 1/2"	4		1150	4600	
ii) 1"	3		4900	14700	
Stop Watch: Racer, 7 jewels, 1/10 antimagnetic stopwatch	15		1500	22500	
Water Pump: Good and export quality, PRC made					
i) 0.5 HP	6		2030	12180	
ii) 1 HP	6		5200	31200	
Steel Cable: Heavy & good quality					
i) 3 mm diameter	90		180	16200	
ii) 8 mm diameter	90		230	20700	
Water Meter	15		1150	17250	

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

Sl. No	Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
14	Wheel Barrow: with tyre & tube. Heavy metal construction, Tyre tube type, complete supplied with one set of spare tyre, tube.	12		5000	60000	
15	Step Ladder: Aluminum construction, 6 ft. BARSAT, India folding type, center landing and platform	6		6500	39000	
16	Folding Rule: Boxwood rule, black figures and graduations, brass center joint & knuckle joint, 1M size	30		150	4500	
17	Iron Mortar Pan (Karahi): heavy metal construction, 15" diameter size	30		150	4500	
18	Hand Brush: 10" size, made of nylon bristles	40		150	6000	
19	Wire Brush: Cast steel wire brush, 5 rows	20		75	1500	
20	Bench Vice: size no. 6, medium duty, APEX, India	28		6000	168000	
21	Pipe Vices: Self loading, heavy type, 1/2" to 4" dia. capacity, INDER India	18		2500	45000	
22	Kerosene Blow Lamp: Heavy type fuel tank, brass construction, 750 ml capacity	15		1050	15750	
23	Heating Plate: Manual (non-electric) 8" diameter size with handle	15		2050	30750	
24	Hacksaw Frame: adjustable type, tubular frame, stainless steel, heavy type, 12" size PRC made	30		250	7500	
25	Hacksaw Blade: suitable for above hacksaw, pack of 100, ATMA/SANYO	19		490	9310	
26	Hand drill machine: Double pinion, 8 mm size, manual type	10		450	4500	
27	Masonry drill bits: 3,4,5,6,8,10,12,15,18 & 25 mm size set of 10 pcs. Supplied in PVC wallet, JORAM, Denmark	20		4800	96000	
28	Cold Flat Chisel: high quality carbon steel made, 12" X 1" size, TAPARIA, India	60		450	27000	
29	Hand Files: with handles, JK, India					
	i) Flat, Bastard, 12" size	55		800	44000	
	ii) Flat, Smooth, 10" size	60		800	48000	
	iii) Round, 2 nd cut, 10" size	30		800	24000	
	iv) Round, smooth, 10" size	30		800	24000	

List of Tools and Equipment required for School for Technical and Vocational Education in Civil

Detailed Specification	Qty	Rate Per Unit in figure	Rate Per Unit in Words	Amount	Remarks
Working Vices: adjustable for a cramping facility used in conjunction with a bench stop, 8" size, PRA, India	30		1325	39750	
Wdriver set: set of 8 pcs (Flat & taps), ERN 1015	30		625	18750	
Combination Try Square: Satin chromed stainless steel, hardened, engraved graduations, adjustable frame square with spirit level & scriber, 12" size. PRC or equivalent	18		475	8550	
Marking Gauge: Rosewood stock and fixed with plastic thumb screw and hardened steel spur. Length 240mm					
Double	35		255	8925	
Single	35		255	8925	
Wooden Hand Saw: Hardened & ground steel with glazed & polished blades, seasoned and fully sprung. Polished handle with screws, supplied in wallet with tooth guard. High quality, 18" size	55		300	16500	
Portable Electric Drill Machine: 2 speed, hammer action drill, 13mm capacity, 650 watt. METABO, German, PRC made, good quality, complete set	5		9800	49000	
Drill Bits: High speed steel, 1 to 13mm size, set of 29 pcs. 0.5mm graduation, supplied in metal box, ITI, India	8		5500	44000	
Back Planer: Smooth hand, length 335mm width of cutter: 50mm, complete supplied with 3 set of cutters for each planer, ANANTA, India	30		1222	36750	
Hand Planer: Smooth type, length 250mm, width of cutter 50mm, complete supplied with 3 set of cutters for each planer, ANANTA, India	30		925	27750	
Carpenter's Chisels: Firmer or bevel edge chisel, ANANTA, India					
i) 6mm	60		340	20400	
ii) 9mm	60		340	20400	
iii) 12mm	50		500	25000	
iv) 16mm	40		500	20000	
v) 19mm	40		500	20000	

**Estimate list of
Assembled Computer, Laser Printer, Photocopier, Fax Machine UPS and Generator for
Technical Schools providing Technical and Vocational Education in Computer Science**

Sr. No.	Detail Specification	Qty.
1	<p>Assembled Computer: Intel 3rd Generation Core i5 3.2 GHz upto 3.6 GHz, 4 core/4threads, 6ML3cache, 5GT/S, Motherboard: MSI H/Board H61M-P20 supporting Intel 3rd Gen RAM: 4 GB DDR3 1333MHz HARD DISK: 1TB, 7200RPM, (Seagate/Western Digital, LED Monitor 18.5" Samsung/Dell/Acer, DVDRW, Multimedia Keyboard, Optical Mouse, Normal Speaker, ATX Casing with 450 watt power supply, All Complete with pre-installed software: Window 7, Office 2010, Auto CAD, 4 way extension cord (Sargam power strip flat & round plug), & Kaspersky Antivirus.</p>	50
2	Laser Printer A4 size duplex, 600x600 dpi, print speed 21 copies per minute	3
3	Photo Copier : A4-A3 size, 18-20 copies per minute, paper tray capacity 250-300 sheets, continuous copies: 250-300 Zoom: 25-400%	1
4	Fax Machine: Laser type, Canon L-170	1
5	UPS: 1.2 KVA, JD Kee/Pro-Link	20
6	<p>Network Server Intel® Xeon® E3-1220v2 3.10 GHz, 8M Cache, Turbo, Quad Core/4T (69W), Onboard SATA, 1-4 Hard Drives connected to onboard SATA Controller -No RAID, 4GB Memory (1x4GB), 1600Mhz, Dual Ranked, Low Volt UDIMM, 500GB 7.2K RPM SATA 3Gbps 3.5in Cabled Hard Drive, DVD Drive, Internal, Led Monitor 18.5" (Dell/Samsung/Acer)</p>	1
7	Network Switch 24 Port	1
8	Portable Generator (Diesel) Single Phase 10 KVA	1

**Estimate List of Tools and Equipment required for School for Technical and Vocational
Education in Electrical**

Item No.	Detailed Specification	Unit	Quantity
1	Work bench 6*4' size, heavy wooden construction 1.25"top, 4*4" legs, Frame should be of 2*6"	No.	12
2	Bench vice : 125 mm, Engineer's vice, CHINESE	Nos.	26
3	Heavy duty Tool Box: folding (cantilever) type, heavy gauge steel construction, finished with hard wearing cellulose paint and padlock and keys, 21"x9" (five cabin)	Set	30
4	Hand file: with wooden handle,12" size. a. flat 2 nd cut b. flat smooth cut c. half round 2 nd cut d. half round smooth cut e. round 2 nd cut f. round smooth cut g. square 2 nd cut h. square smooth cut i. Triangular 2 nd cut j. Triangular smooth cut	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.	26 26 26 26 26 26 26 26 26 26 26
5	Hand Drill: Double pinion, 8 mm size, manual type	Nos.	25
6	Junior Hacksaw frame: 6" with blades of 100 in boxes	Nos.	30
7	Automatic center Punch: Delivers a punch when the head is depressed, strength of punch and depth of depression formed is adjustable by truning of the knurled head. Standard impact force 2.25 to 13.5 kg; Length 120 mm	Nos.	4
8	Electrician Cable Knife : 7" length, blade length 2" good quality	Nos.	30
9	Double Ended Grinding Machine: 8" size, fitted with heavy duty motor with good quality grinding wheels. Complete with eye shelf, tool rest, 220 volt, 1 phase	Nos.	2
10	Bench drilling machine : 13 mm capacity, 580-2600 rpm, 1/3 hp	Nos.	2
11	Work bench brush : 10" hand brush, made of nylon bristles.	Nos.	60
12	Twist drill set: 1 to 13 mm set of 29 pcs. 0.5 graduated, supplied in metal box. ITI INDIAN	Set	6
13	Stock and Die set (Metric): Tap & Die set; size 6 to 24mm packed in metal or strong wooden box. LUDHARA, INDIAN	Set	5
14	Hack saw frame: adjustable type, size of 12", and tubular frame of stainless steel heavy type. CHINESE	Nos.	30
15	Heavy Tin snips : 8" (200mm) size, i) 8" size straight ii) 8" size right bent iii) 8" size left bent	Nos. Nos. Nos.	24 8 8
16	Punch: Parallel pin punch set, set of 6 pcs, Hardened and tempered with knurled body, length 5", points: 2.4, 3.2, 4, 4.5, 5.5 & 6 mm, supplied in wallet or box.	Set	24

**Estimate List of Tools and Equipment required for School for Technical and Vocational
Education in Electrical**

Item No.	Detailed Specification	Unit	Quantity
17	Ball pein hammer : Manufactured from finest quality drop forged steel with hickpry handle, 500 gram weight	Nos.	30
18	File brush : 4" long, 2" wide	Nos.	60
19	Scriber: Double end scriber, 180 mm	Nos.	26
20	Try square: Engineer's square, 150mm	Nos.	26
21	Needle file set: 12 pcs set in pvc wallet, 16cm needle file assorted type. BONIOU INDIA	Set.	26
22	Scissor: Stainless steel. 7" side bent in pvc wallet	Nos.	26
23	Steel rules: stainless steel, 300mm, LUDHRA	Nos.	26
24	Screw holding screwdriver: Parallel, 4" long, cross slot	Nos.	12
25	Measuring Tape: 3m, freemans	Nos.	26
26	Allen key set: Hexagon, 'L' wrench, 1.5-10mm, 9 pcs. In wallet. UNBREKO, INDIA	Set.	6
27	Adjustable spanner (Wrench): 10" size in length, jaw opening 13-25mm, TAPARIA, Indian make	Nos.	26
28	Box wrench set: Socket set, 10 to 32 mm size, supplied in metal or strong wooden box, JHALANI co, Indian make	Set	3
29	Double open ended spanner: 6-22mm, supplied in pvc wallet.	Set	6
30	Double ended ringh spanner: 6-32mm, 11pcs set in pvc wallet.	Set	6
31	Open end ring spanner: combination type. 6-32mm, 19pcs set. SHIVA Co. INDIAN	Set	6
32	Letter stamp set: 27pcs. A to Z letter stamp set, SHIVA, INDIAN	Set	2
33	Number stamp : 9pcs. Set, 10mm size	Set	2
34	Self grip wrench : 7" straight jaw, chromium plated finish.	Nos.	13
35	Soldering Iron: 100 watt, Iron, supplied with plug.	Nos.	30
36	Safety Goggles : clear type, TAIWANI	Nos.	26
37	Precision Venire Caliper : 200mm size, CHINESE	Nos.	14
38	Micrometer: Ext. 0-25mm range, 0.01mm reading, MITUTOYO,	Nos.	2
39	Cold chisel : Flat chisel, 8"x3/4", TAPATIA, INDIA	Nos.	26
40	Rubber mallet: Black type, 450g. SHIVA Co; INDIA	Nos.	24
41	Water pump plier: Adjustable, Slip joint type, Chromeplated with pipe grip, TAPARIA or LUDHRA, 10" size	Nos.	26
42	Diagonal cutting nippers: 6" size, pvc indulated handle, ultra tensile, TAPARIA	Nos.	26
43	Long nose plier: PVC insulated handle, 6" size (6")	Nos.	30
44	Masonry Drills: Carbide tipped 3,4,5,6,7,8,10 & 12 mm size, 7 pcs. Set, supplied in PVC wallet, JORAM, DENMARK	Set	6
45	Hand tachometer: Digital optical type, 10 to 100000 autoranging	Nos.	2
46	Blind rivets (aluminum): pack of 1000 pcs. Assorted	Sets	12
47	3 leg puller set: LUDHARA Co. i) 6" size ii) 8" size	Set Set	3 3
48	Wooden/ Carpentry chisel: Beveled type, ANANTA, INDIA i) 6 mm	Nos.	30

**Estimate List of Tools and Equipment required for School for Technical and Vocational
Education in Electrical**

Item No.	Detailed Specification	Unit	Quantity
	ii) 13 mm	Nos.	30
	iii) 25 mm	Nos.	30
49	Electric Impact drill : 2 speed hammer action drill, 13 mm capacity, 650 watt, METABO, GERMANY	Nos.	4
50	Engineer's plier: Combination plier 200mm, ERN, INDIA	Nos.	30
51	Wire stripper: Insulated type, 8' size suitable for different size wires, DAYTON, TAIWAN	Nos.	30
52	Diagonal cutting plier: Insulated type 6" size	Nos.	30
53	G-clamp:4" size	Nos.	12
54	Moving coil DC Ampere meter : 0-1A, 0.5A, 0-10A	Nos.	12
55	Moving coil DC Voltmeter : 30, 250,500, DC volt	Nos.	12
56	Moving Iron Ampmeter: AC 0-5,0-10,0-25 Amp.	Nos.	12
57	Moving Iron Voltmeter : AC, 25v, 250v, 500v, 600v,	Nos.	12
58	Analog Multimeter: 250mA, 500v, AC/DC, 3000 kv with testing lead.	Nos.	6
59	Battery operated insulation resistance tester: 250/500/1000v with 0.2 to 40 MQ with lead and case	Set	1
60	Variable autotransformer : Portable 15A, 1 phase, 250v	Nos.	2
61	Digital clamp meter: 600A, AC, 750v with testing lead, Taiwan	Nos.	6
62	Digital Type multimeter: 1000v DC	Nos.	6
63	Earth tester: Rotating type with lead	Nos.	2
64	Phase sequence indicator	Nos.	6
65	Load bank capacitor: single phase, 3 KVAR	Nos.	3
66	Load bank capacitor: Three phase, 3 KVAR	Nos.	3
67	Frequency meter: 45-50hz	Nos.	12
68	Power factor meter: 3 phase	Nos.	3
69	Kilowatthour meter : Single phase, 5-30A, 240v, Export quality, CHINESE	Nos.	30
70	Kilowatthour meter: Three phase, 30-100A, 440v, Eport quality, CHINESE	Nos.	14
71	Fuse protected Insulation tester : 3111v model.	Nos.	2
72	Line tester: 4" long, heavy duty	Nos.	30
73	Current Transformer		
	i) 30/5 A	Nos.	24
	ii) 100/5 A	Nos.	24
	iii) 200/5 A	Nos.	24
74	Electric Motor : 1 phase, 0.5 hp, CHINESE		6
75	MCB :Single phase, MALAYSIAN		
	i) 6 A	Nos.	60
	ii) 16A	Nos.	30
	iii) 20A	Nos.	26
	iv) 32A	Nos.	26
76	MCB: Three phase, MALAYSIAN		

**Estimate List of Tools and Equipment required for School for Technical and Vocational
Education in Electrical**

Item No.	Detailed Specification	Unit	Quantity
	I) 16 A	Nos.	30
	II) 30 A	Nos.	16
77	Fan i) Wall Mounted Fan 16" (Khaitan/USHA/Crompton) ii) Ceiling Fan 42" (Khaitan/Usha/ Crompton/Orient) iii) Stand Fan 16" (Khaitan/Usha/Crompton)	No. No. No.	4 4 2
78	Motor pumps 0.5 HP (Servo/Crompton)	No.	3
79	Variable auto transformer, 15 A, SP	No.	2
80	Variable DC Power supply unit, 15 A	No.	4
81	Signal generator	No.	1
82	Wheatstone bridge	No.	1
83	Induction motor 1/2 HP 1 HP 2 HP	No. No. No.	6 3 2
84	Electrics Siren	No.	6
85	Fire alarm kit	No.	6
86	Battery charger (12V)	No.	2
87	Hydrometer	No.	12
88	Safety belt	No.	26
89	Drawing board with out stand	Nos.	26
90	12" set square (45 ^o , 60 ^o)	Set	50
91	Rule/ scale set	Set	50
92	Set square (adjustable) (Mini.Drafter)	Nos.	26
93	Protractor(180 ^o , 360 ^o)	Set	50
94	Lettering templates (600, 120mm)	Set	26
95	French curve	Nos.	26
96	Circle template	Nos.	26
97	Compass	Nos.	26
98	Inkpen set (0.25,0.5,0.7 mm line width)	Set	6
99	Models used in drawing	Set	12
100	Tee esquire	Nos.	50
101	5HP Y/D starter manual	No.	1
102	5HP Y/D starter Automatic	No.	1
103	5 HP DOL starter	No.	2
104	Soft start 5 HP starter	No.	2
105	5 HP forward reverse starter	No.	2
106	Demonstration transformer trainer	No.	1
107	Spirit Level: Aluminum constructed body, PRC made, good quality -12" size	No.	6
108	Plumb bob: 140 g. wt. corrosive resistant steel bob with brass screws	No.	30

**Estimate List of Tools and Equipment required for School for Technical and Vocational
Education in Electrical**

Item No.	Detailed Specification	Unit	Quantity
109	Wheel Barrow: with tyre & tube, heavy metal construction, tyre tube type, complete supplied with one set of spare tyre, tube	No.	2
110	Step Ladder: Aluminum construction, 6 ft. BARSAT, India	No.	1
111	Extension Ladder: sliding type of two pieces of aluminum construction, 20 ft. in length	No.	1
112	Assembled Computer: Intel 3rd Generation Core i5 3.2 GHz upto 3.6 GHz, 4 core/4threads, 6ML3cache, 5GT/S, Motherboard: MSI H/Board H61M-P20 supporting Intel 3rd Gen RAM: 4 GB DDR3 1333MHz HARD DISK: 1TB, 7200RPM, (Seagate/Western Digital, LED Monitor 18.5" Samsung / Dell / Acer, DVDRW, Multimedia Keyboard, Optical Mouse, Normal Speaker, ATX Casing with 450 watt power supply, All Complete with pre-installed software: Window 7, Office 2010, Auto CAD, 4 way extension cord (Sargam power strip flat & round plug), & Kaspersky Antivirus.	No.	4
113	Printer Laser: A4 size duplex, 600X600 dpi Print speed: 21copies per minute	No.	2
114	UPS: 1.20 KVA	No.	2
115	Photocopier: A4-A3 size, 18-20 copies per minute, Paper Tray Capacity 250-300 sheets, continues copies 250-300, zoom:25-400%	No.	1
116	Fax Machine: Laser type Canon L -170	No	1
117	Wooden Floor Base		24
118	Oil Cane		6
119	Screw Drivers No1 No2 No3 No4		26 26 26 26
120	Earthing Plate	Sets	2
121	Plywood Board 12mm*120cm*180cm		30
122	Main Switch 35 A		26
123	Switched (Surface Type) One Way		50
124	Switched (Surface Type) Two Way		80
125	Power Socket 5A		60
126	Power Socket 16A		60
127	2 Pin Socket		60
128	Ceiling rose		60
129	Bulb Holder		60
130	Tube Light set 2 fat		12
Consumables			
1	MS tee "I" channel	Meter	7
2	MS Rod 30mm	Meter	5
3	GI Sheet	sq ft	150
4	PVC conduit 19mm		

**Estimate List of Tools and Equipment required for School for Technical and Vocational
Education in Electrical**

Item No.	Detailed Specification	Unit	Quantity
	i) Hard	Meter	500
	ii) Soft	Meter	500
5	PVC Bend Hard 19 mm		200
6	PVC saddle hard 19 mm		1000
7	PVC tape	Roll	60
8	PVC point box		
	i) 2 way		160
	ii) 3 way		160
	ii) 4 way		160
9	PVC switch box		100
10	PVC socket box		100
11	PVC Junction box 3*3"		100
12	PVC Wire		
	i) 1/18 mm	coil	5
	ii) 3/22	coil	20
	iii) 3/20	coil	20
	iv) 7/22	coil	5
13	PVC Connector	Strips	100
14	PVC flexible cable		
	i) 3 Core 2.5 mm ²	Meter	50
	ii) 5 Core 4 mm ²	Meter	50
15	Metal Screws		
	i) 1/2"	Pkt	10
	ii) 3/4"	Pkt	10
	iii) 1"	Pkt	10
	iv) 1 1/2"	Pkt	10
16	Nails		
	i) 1/2"	Pkt	10
	ii) 1"	Pkt	10
	iii) 1 1/2"	Pkt	10
17	Soldering Lead	Roll	10
18	Soldering Flux	Pkt	10

Estimate List of Tools and Equipment required for School for Technical and Vocational Education in Livestock

Item No.	Detailed Specification	Qty	Unit	Rate/ Unit in figure	Amount	Remarks
1.	Al gloves (Full hand) : Lotex	100	Pair	150	15000	
2.	Al gloves disposable: Plastic (Full Hand) MINITUBE, German	100	Pc	250	25000	
3.	Nitrogen container/tank (Refri.): 2 Liter size INox, India	1	No.	33810	33810	
4.	Al gun (0.25 mm size) MINITUBE, German, All SS (Stainless steel)	2	Pc	660	1320	
5.	Al gun (0.5 mm size) MINITUBE, German, All SS	2	Pc	660	1320	
6.	Liquid Nitrogen	2	Liter	8280	16560	
7.	Al Gun plastic sheath MINITUBE, German	100	Pc	8	800	
8.	Semen Straw (Murrah Buffalo): Semen motility more than 80%	50	Pc	120	6000	
9.	Semen Straw (HF cow) : Semen motility more than 80%	50	Pc	120	6000	
10.	Semen Straw (Jersey cow): Semen motility more than 80%	50	Pc	120	6000	
11.	Semen Straw (empty): Pack of 2500 pcs	50	Pc	60	3000	
12.	Artificial Vagina for Semen collection (16 " size)	1	set	3600	3600	
13.	Artificial Vagina for Semen collection (9 " size)	1	set	2220	2220	
14.	Autoclave : 12"x12" Electric with tripod stand and inner stand, pressure gauge, safety valve and safety block	1	No.	15000	15000	
15.	Amputation saw with frame: Steel frame, All SS	1	No	7800	7800	
16.	Beakers (glass): Borosil 25 ml size: Borosil 50 ml size: Borosil 100 ml size: Borosil 250 ml size: Borosil Beakers (Plastic): Kauter German 25 ml size: Kauter German 50 ml size: Kauter German 100 ml size: Kauter German 250 ml size: Kauter German	5 5 5 5 5 5 5 5	pc pc pc pc pc pc pc pc	132 180 216 240 42 48 54 60	660 900 1080 1200 210 240 270 300	
17.	Beaker stand 200mm SS with Asbestos cover	2	No.	1500	3000	
18.	Bolus gun/Boling gun	2	pc	780	1560	

19.	Brooder: with thermostat, enclosed heating unit, 200 chicks' capacity, digital temperature & humidity display & control	1	set	12000	12000	
20.	Budding knives: Sharp	10	Pc	450	4500	
21.	Grafting knives: Sharp	10	pc	450	4500	
22.	Burdizzo castrator: large size, UK, Original	1	No.	18984	18984	
23.	Burdizzo castrator : small size, UK, Original	2	No.	12768	25536	
24.	Butyrometer with rubber stopper and key (milk)	2	No.	60	120	
25.	Measuring cylinder	2	No	1500	3000	
26.	Thermometer for measuring temp of milk 50°C capillary type	4	No.	180	720	
27.	Glass cylinder: 200 ml	3	No.	990	2970	
28.	Egg Candler	3	No.	1440	4320	
29.	California Mastitis Test plate/paddle	2	No.	1320	2640	
30.	Casting rope (cotton): 12 m long, soft and 20mm diameter	4	Pc	780	3120	
31.	Centrifuge machine : electrically operated 4X15ml speed controller	1	set	15000	15000	
32.	Clinical thermometer : 95-107 °C graduated for veterinary use	24	Pc	30	720	
33.	Conical flask (500 ml)	5	Pc	390	1950	
34.	Conical flask (small) 250ml	5	Pc	300	1500	
35.	Crate/Travis: Made up of GI pipe and cemented floor with GI sheet roofed	1	Sets	18000	18000	
36.	Electric de-beaker with stand	1	Sets	10200	10200	
37.	Dehorning wire with handle	2	set	300	600	
38.	Disbudding machine	1	No	4200	4200	
39.	Caustic potash (KOH) flakes	1	Liter	768	768	
40.	Caustic soda (NaOH) flakes	1	Liter	768	768	
41.	Glycerine	2	Phial	1020	2040	
42.	Dhungro: for feeding liquid medicines	2	No.	120	240	
43.	Drenching gun capacity 12.5ml, UK made	1	set	17856	17856	
44.	Drenching bottle (Large size) Aluminium	1	No.	600	600	
45.	Drenching bottle (Small Sized) Aluminium	1	No.	420	420	
46.	Douche can with pipe S/S	2	set	660	1320	

47.	Kit box made up of thick gauge of aluminum sheet to contain the following items	50	set			
	Clinical Thermometer	50	Pc	30	1500	
	Needle: 18 No.	120	pc	54	6480	
	Needle: 16 No.	120	Pc	54	6480	
	Syringe plastic 5 ml: Disposable	50	Pc	7	350	
	Syringe plastic 10 ml: Disposable	50	Pc	12	600	
	Syringe plastic 20 ml: Disposable	50	Pc	18	900	
	Suturing Needle Large sized (Curved)	80	Pc	90	7200	
	Suturing Needle Small sized (Curved)	80	Pc	90	7200	
	Nylon thread: Small	40	roll	42	1680	
	Catgut	40	pc	360	14400	
	Xylocain 2%	40	vial	360	14400	
	Artery forceps 150mm All S/S, screw lock	40	pc	168	6720	
	Tooth forceps 150 mm All S/S	40	pc	168	6720	
	Scalpel/B. P. blade	200	pc	12	2400	
	B. P. handle: 4 No.	40	pc	300	12000	
	Needle holder 175mm All S/S, screw lock	40	pc	270	10800	
	Spirit 500ml	40	Phial	180	7200	
	Cotton: Small Size 100g.	40	roll	180	7200	
	Bandage: Small Size 3"X3mtrs	40	roll	240	9600	
	Tincture Iodine 450ml	24	phial	300	7200	
	Rate tooth forcep all S/S 175mm	40	pc	180	7200	
	Disposable gloves	50	pair	22	1100	
48.	Ear Notcher/plier	1	pc	1260	1260	
49.	Ear tagging machine/pliers for round tag, UK made	1	pc	7800	7800	
50.	Tagging plate/number round tags, plastic non-corrosive type, 20mm dia with numbers	80	pc	90	7200	
51.	Branding rod	1	set	660	660	
52.	Branding number 0-9 made up of tempered steel	1	set	540	540	
53.	Tattooing machine with number and alphabets	2	pc	3060	6120	
54.	Tattooing ink pack of 50ml	2	phials	1500	3000	
55.	Methylene blue 2% 125ml	2	Phial	300	600	
56.	Filter/strainer for fecal sedimentation with holder s/s	2	pc	180	360	
57.	Filter paper whatmans no 147mm	10	packet	102	1020	
58.	Glass slides, German	100	pc	6	600	

59.	Cover slips, German 22X22mm pack of 100	100	pc	5	500	
60.	Graduated cylinder 1000 ml: Borosil	2	No.	2760	5520	
61.	Graduated cylinder 500ml: Borosil	5	No.	1620	8100	
62.	Graduated cylinder 100ml: Borosil	5	No.	720	3600	
63.	Graduated cylinder 50ml: Borosil	5	No.	600	3000	
64.	Haemocytometer with counting chamber RBC/WBC, pipette, German	1	No.	2400	2400	
65.	Nose notcher	2	No.	1440	2880	
66.	Hog snare	2	No.	1560	3120	
67.	Hoof knife 8"	3	No.	1440	4320	
68.	Hoof rasp/file 10"	3	No.	1440	4320	
69.	Hose pipe large for enobating animals for cattle/buffalo.	5	No.	576	2880	
70.	Hose pipe small for enobating animals for goat.	5	No.	576	2880	
71.	Inoculum/Rhizobium	3	bottle	600	1800	
72.	Rectangular Tray (Large) plastic 12"X16"X3"	2	No.	1260	2520	
73.	Rectangular Tray (small) plastic 10"X12"X3"	2	No.	900	1800	
74.	I/v set with Metal Stand s/s rod	1	Pc	3120	3120	
75.	I/v Set	10	Pc	180	1800	
76.	Kidney tray large 10" all s/s heavy	4	pc	288	1152	
77.	Kidney tray small 6" all s/s heavy	4	pc	222	888	
78.	Lactometer for milk	20	pc	120	2400	
79.	Metal detector for foreign bodies	1	set	8400	8400	
80.	Metal extractor	1	set	24600	24600	
81.	Dropper 3ml plastic	12	Pc	60	720	
82.	Egg Incubator: Automatic roller having at least 50 egg capacity with automatic RH and Temp adjuster	1	No	90000	90000	
83.	Hot air oven 14"x14": With thermostat and automatic temp. adjuster with digital temperature display	1	No	24000	24000	
84.	Refrigerator 300Lt: With deep freeze	1	No	48000	48000	
85.	Measuring tape 30m Fiber tape	5	pieces	1920	9600	

86.	Compound Microscope (Binocular) with X10, X40, X100 objective lens: Olympus original anti-fungal treated optical parts, Japan	2	No.	138000	276000	
87.	Compound Microscope (Binocular) with X10, X40, X100 objective lens: Olympus, Japan	2	No.	27000	54000	
88.	Immersion/immulsion oil 125ml	1	vial	1800	1800	
89.	Mortar and pestle Large 10" Porcelain	4	set	840	3360	
90.	Mortar and pestle small 5" Porcelain	4	set	480	1920	
91.	Mouth gag large for cattle	2	pc	480	960	
92.	Mouth gag small for goats	2	pc	360	720	
93.	Obsterical equipment kit box: calving ropes 5, calving hook 4, bone cutting string-4	1	set	24600	24600	
94.	Internal Parasite: Preserved samples (10 minimum), 10 No. of different types	10	Nos.	420	4200	
95.	External Parasite: Preserved sample (10 minimum), 10 No. of different types	10	Nos.	420	4200	
96.	Petri dish: Borosil 100mmX18mm	5	pair	288	1440	
97.	Spatula 150mm flat/spoon, all s/s	5	pc	54	270	
98.	Pipettes for measuring liquid 1ml: Borosil, graduated	5	pc	60	300	
99.	Pipettes for measuring liquid 2ml : Borosil, graduated	5	pc	144	720	
100.	Pipettes for measuring liquid 5ml : Borosil, graduated	5	pc	216	1080	
101.	Pipettes for measuring liquid 10 ml : Borosil, graduated	2	pc	240	480	
102.	Pipettes for intrauterine infusions : Borosil	2	pc	780	1560	
103.	Plastic sheet for nursery: Thick	10	kg	198	1980	
104.	Polythene bag/pots for seedlings	4	kg	198	792	
105.	Chart large size : Digestive system of animals (Ruminants, Non ruminants, poultry)	3	pc	1020	3060	
106.	Chart large size: circulatory system of animals.	2	No.	1020	2040	
107.	Chart of Heart and its section	1	No.	1020	1020	

108.	Chart large size: skeletal system of cattle, horse, poultry.	3	No.	1020	3060	
109.	Chart large size: Reproductive system of male and female animals and poultry	3	No.	1020	3060	
110.	Chart large size: Respiratory system	2	No.	1020	2040	
111.	Chart large size: Urinary system	1	No.	1020	1020	
112.	Chart large size: muscular system	2	No.	1020	2040	
113.	Chart: different breeds of cattle, buffalo, sheep, goat, dog, poultry, pigs etc: 7 of different breeds	7	No.	1020	7140	
114.	Poultry feeder: circular	10	No	660	6600	
115.	Poultry waterer: Siphon type	5	No	660	3300	
116.	Poultry waterer: Circular	5	No	660	3300	
117.	Scissors sharp 150mm, all s/s	8	No	330	2640	
118.	Scissors sharp-sharp 150mm, all s/s	8	No	390	3120	
119.	Scissors blunt 150mm, all s/s	8	No	390	3120	
120.	Hoof trimmer: about 6-8 inches long handles	3	No	1560	4680	
121.	Seeds of fodder trees: Tanki	0.5	Kg	2400	1200	
122.	Seeds of fodder trees: Budahar	0.5	Kg	2400	1200	
123.	Seeds of fodder trees: epiopil	0.5	Kg	2400	1200	
124.	Seeds of fodder trees: Bakaino	0.5	Kg	2400	1200	
125.	Seeds of fodder trees: Koiralo	0.5	Kg	2400	1200	
126.	Seeds of fodder trees: Khaneu	0.5	Kg	2400	1200	
127.	Seeds of fodder trees: Kutmiro	0.5	Kg	2400	1200	
128.	Seeds of forage grass: Tiosinte	0.5	Kg	2400	1200	
129.	Seeds of forage grass: Bajra	0.5	Kg	2400	1200	
130.	Cuttings of forage grass: Napier	200	sets	30	6000	

131.	Seeds of forage grass: Desmodium	0.5	Kg	3000	1500	
132.	Seeds of forage grass: Cocks foot	0.5	Kg	3000	1500	
133.	Seeds of forage grass: Rye grass	0.5	Kg	3000	1500	
134.	Seeds of forage grass: Molato	0.5	Kg	3000	1500	
135.	Seeds of forage grass: Paspalum	0.5	Kg	3000	1500	
136.	Seeds of forage grass: para grass	0.5	Kg	3000	1500	
137.	Sickle	40	pc	300	12000	
138.	Spade	40	pc	600	24000	
139.	Specimen bottle 100ml. (Plastic) transparent wide mouth	20	pc	114	2280	
140.	Stethoscope	20	pc	840	16800	
141.	Suturing needle curved triangular	20	pc	90	1800	
142.	Suturing needle curved round	20	pc	90	1800	
143.	Nylon thread	5	roll	48	240	
144.	Catgut	5	pc	360	1800	
145.	B. P. blade	100	pc	12	1200	
146.	B. p. handle No 3 and 4	5	pc	300	1500	
147.	Needle 18 No.	30	Pc	54	1620	
	Needle 16 No.	30	pc	54	1620	
148.	Needle holder	5	pc	270	1350	
149.	Artery forceps 150mm all s/s	5	pc	168	840	
150.	Chetal forceps 200mm heavy all s/s	5	pc	168	840	
151.	Tooth forceps 150mm all s/s	5	pc	168	840	
152.	Thumb forceps 125mm, all s/s	5	pc	168	840	
153.	Simple forceps 150mm, all s/s	5	pc	168	840	
154.	Rate tooth forceps, 150mm, all s/s	5	pc	168	840	

155.	Lignocain 2%	5	vial	360	1800	
156.	Tincture iodine 450ml	2	bottle	300	600	
157.	Spirit 500ml	2	bottle	1800	3600	
158.	Dicrystacin inj	40	vial	96	3840	
159.	PPF inj	40	vial	60	2400	
160.	Oxytetracyclin inj 30ml vial	40	vial	132	5280	
161.	Timpol powder 100gram	20	packet	78	1560	
162.	Himalaya batisa powder 200gram	20	packet	114	2280	
163.	Meloxycain inj 100ml vial	10	vial	102	1020	
164.	Berenil inj	10	vial	240	2400	
165.	Acriflavin powder 25gram packet	10	packet	42	420	
166.	Magsulf grannuals 1kg	10	Packet	42	420	
167.	Ivermectin inj 10ml vial	10	vial	300	3000	
168.	Piprazine liquid 500ml bottle	5	Phial	600	3000	
169.	Zanid-L bolus	100	bolus	30	3000	
170.	Zanide- L tab	100	Tab	6	600	
171.	Blotosil liquid	10	Phial	90	900	
172.	Pestodan liquid	10	phial	180	1800	
173.	Tetzan liquid 100ml phail	40	Phial	132	5280	
174.	Replanta liquid 500 ml bottle	5	bottle	240	1200	
175.	Terpentine oil 450ml	5	phail	60	300	
176.	Rumen bolus	100	bolus	18	1800	
177.	Ostocalcium Liquid	10	bottle	210	2100	
178.	Mifex inj	10	bottle	252	2520	

179.	Distilled water 500ml	5	bottle	12	60	
180.	Sulfadimyline inj 30ml vail	8	vial	96	768	
181.	Stomach tube	5	sets	48	240	
182.	Syringes 2 ml (disposable)	40	Pc	6	240	
183.	Syringes 5 ml (disposable)	40	Pc	7	288	
184.	Syringes 10 ml (disposable)	40	Pc	12	480	
185.	Syringes 20 ml (disposable)	40	Pc	18	720	
186.	Syringes 50 ml (disposable)	40	pc	48	1920	
187.	Agrimin Powder	5	kg	174	870	
188.	Bandage 2"X3mtrs	5	roll	240	1200	
189.	Cotton 100g	5	roll	180	900	
190.	Teat siphon	5	pc	144	720	
191.	Test tubes : Borosil 12X75mm	120	pc	15	1800	
192.	Test tubes : Borosil 12X100mm	120	pc	17	2016	
193.	Test tubes 18X150 mm: Borosil	120	pc	21	2520	
194.	Test tubes 25X180 mm: Borosil	120	pc	38	4560	
195.	Test tube stand	12	set	168	2016	
196.	Trocar and canula large size	2	set	540	1080	
197.	Trocar and canula small size	2	set	300	600	
198.	Vaginal speculum large size	1	set	900	900	
199.	Vaginal speculum small size	1	set	540	540	
200.	Water can	2	pc	300	600	
201.	Weighing machine: Scale up to 500 kg	1	set	54000	54000	
202.	Spring balance up to 10 kg	1	set	1800	1800	

203.	Milk Can 30 liter capacity	2	pc	4800	9600	
204.	Milk can 40 liter capacity	2	pc	5340	10680	
205.	Plunger	2	pc	504	1008	
206.	Milk boiling pan (Karai) 20 Lit	1	pc	3600	3600	
207.	Milk boiling pan (Karai) 10 Lit	1	pc	2400	2400	
208.	Milk boiling pan (Karai) 2 lit	2	pc	600	1200	
209.	Ordinary steel kitchen knife for cutting milk products.	5	pc	300	1500	
210.	Table spoon (steel)	20	pc	60	1200	
211.	Serving spoon(steel)	5	pc	180	900	
212.	Milk measuring scale 50ml	1	pc	1020	1020	
213.	Milk measuring scale 100ml	1	pc	1020	1020	
214.	Milk measuring scale 200ml	1	pc	1020	1020	
215.	Milk measuring scale 500ml	1	pc	1020	1020	
216.	Milk measuring scale 1lit	1	pc	1020	1020	
217.	Milk measuring scale 5 lit	1	pc	1020	1020	
218.	Steel Bucket 5lit	1	pc	900	900	
219.	Steel Bucket 10 lit	1	pc	1200	1200	
220.	Steel Bucket 20 lit	1	pc	1800	1800	
221.	Bottles for milk sample (50ml): Borosil	10	pc	42	420	
222.	Plastic milk pouch scale machine (simple hand operated)	2	pc	2640	5280	
223.	Milk transfer pipette with syringe	5	pp	30	150	
224.	Butyrometer	10	pc	48	480	
225.	Centrifuge machine(hand operated with15-20 tube capacity for fat test)	1	set	2640	2640	
226.	Pipette-1ml (each item of Borosil)	5	Pc	22	110	

	Pipette-2ml	5	Pc	24	120	
	Pipette-3ml	5	Pc	26	130	
	Pipette-4ml	5	Pc	29	144	
	Pipette-5ml	5	Pc	29	144	
	Pipette-6ml	5	Pc	29	144	
	Pipette-7ml	5	Pc	31	155	
	Pipette-10 ml	5	Pc	36	180	
	Pipette -75 ml	5	pc	36	180	
227.	Dairy Thermometer-Scale ranging from 5 to 120 °c	5	pc	180	900	
228.	Butyro stopper	20	pc	8	168	
229.	Butyro stand	5	pc	162	810	
230.	Test tubes, heavy wall:					
	75 mm long	50	Pc	15	750	
	100 mm long	50	Pc	17	850	
	125 mm long	50	Pc	22	1080	
	150 mm long	50	Pc	34	1680	
	180 mm long	50	Pc	38	1920	
	(each item of Borosil)					
231.	Test tubes, light wall:					
	75 mm long	50	Pc	14	700	
	100 mm long	50	Pc	17	850	
	125 mm long	50	Pc	22	1100	
	150 mm long	50	Pc	34	1700	
	180 mm long	50	Pc	38	1900	
	(each item of Borosil)					
232.	Test tube rack (small for about 20 tubes)	5	set	210	1050	
233.	Balance chemical and sample, single pan balance, approx, capacity 1 to 600 gram with zero adjustment stainless steel pan, triple beam balance 0.01gm accuracy	1	set	17400	17400	
234.	Porcelain dish approx 45 ml capacity 80 mm:	10	pc	78	780	
235.	Desiccators, approx top int. diameter of 200 mm, with porcelain plate	2	pc	7800	15600	
236.	Lactometer, small floating type	10	pc	90	900	
237.	Petri dish, 50 x 13 mm, clear polystyrene biologically inert stackable: Borosil	12	pc	42	504	

238.	Glass Beaker 250 ml	12	pc	132	1584	
239.	Burette with interchangeable straight glass bore stopcock permanent amber stain graduations : Borosil, 50ml	5	pc	780	3900	
240.	Burette stand plastic	4	pc	540	2160	
241.	Conical flask: Borosil 250ml	10	pc	300	3000	
242.	Stiring rods (polypropylene rounded ends high chemical resistance)	20	pc	24	480	
243.	Tongs, crucible, straight, all s/s 200 mm	1	pc	90	90	
244.	Stopcock key remover steel frame and screw	4	pc	120	480	
245.	Cream separator, small capacity hand operate, adjustable 60Lit	1	set	12600	12600	
246.	Test tube cleaning brush	10	pc	12	120	
247.	Butter churner (hand operated approx. 20 liter capacity, with spare jar)	1	set	33000	33000	
248.	Dilution bottles, small: Borosil	8	pc	420	3360	
249.	Microbiological incubator, maximum fluctuation 15 degrees, capacity 39 liter (approx), 48"X32"X25 cm all s/s digital PID temperature controller, German	1	No.	17400	17400	
250.	Water bath: Medium size of approx. 4 liters. All s/s PID temp. controller	1	No.	10200	10200	
251.	Gerber centrifuge : 24 tube capacity for ft test, electric operator	1	No.	7800	7800	
252.	Gerber test apparatus and accessories	1	set	3000	3000	
253.	Test tube stoppers	100	pc	14	1440	
254.	Glass cylinder: 300 ml capacity, Borosil	5	pc	1020	5100	

255.	Assembled Computer: Intel 3rd Generation Core i5 3.2 GHz upto 3.6 GHz, 4 core/4threads, 6ML3cache, 5GT/S, Motherboard: MSI H/Board H61M-P20 supporting Intel 3rd Gen RAM: 4 GB DDR3 1333MHz HARD DISK: 1TB, 7200RPM, (Seagate/Western Digital, LED Monitor 18.5" Samsung/Dell/Acer, DVDRW, Multimedia Keyboard, Optical Mouse, Normal Speaker, ATX Casing with 450 watt power supply, All Complete with pre-installed software: Window 7, Office 2010, Auto CAD, 4 way extension cord (Sargam power strip flat & round plug), & Kaspersky Antivirus.	2	Set	55000	110000	
256.	Printer Laser: A4 size duplex, 600X600 dpiPrint speed: 21copies per minute	1	Set	20000	20000	
257.	UPS: Power Tree, 1.20 KVA	1	Set	8000	8000	
258.	Photocopier: A4-A3 size, 18-20 copies per minute, Paper Tray Capacity 250-300 sheets, continues copies 250-300, zoom:25-400%	1	set	150000	150000	
259.	Fax Machine: Laser type Canon L - 170	1	set	30000	30000	
Sub Total:					1,918,423.00	
Add VAT (13%):					249,394.99	
Grand Total:					2,167,817.99	

Nepal Higher Secondary School Ratnanagar - 2 Tandi, Chitwan

Estimate List of Tools and Equipment required for
School for Technical and Vocational Education in Plant
Science

Phone - 056-560102

Item No.	Detailed Specification	Qty	Unit
✓1	Soil thermometer (with metal plated rod 12" length)	1	Set
✓2	Wet & dry bulb thermometer (Zeal, UK) ✓	1	Set
✓3	Anemometer (hand held type, digital display) ✓	1	Set
4	Rain gauge (made of fibre glass with rain gauge cylinder)	1	Set
5	Install weather station (for temp., anemometer and rain gauge)	1	Set
✓6	Soil kit box (for sod/potassium/phosphate 50 kit each)	6	Set
✓	Digital ph meter (autocalibrate 1-14pH 0.01 readability table top with pH and temp electrode)	2	Pcs
✓8	Soil sample auger (screw type 38mm dia 1mtr long with T handle) ✓	6	Pcs
9	Oven (14"x14") memmert	1	Pc
10	Incubator (14"x14") memmert	1	Set
✓11	Seed driller (electric) ✓	1	pc
✓12	Seed dressing drum (with stand 15kg capacity with heavy movement)	2	pc
✓13	Metal bin s/s 20kg ✓	4	Pc
✓14	Seed sampler (18mm dia 300mm with 3 state)	6	Pcs
✓15	Seed moisture meter for all types of seed ✓	1	Pcs
✓16	Forceps 150mm all s/s ✓	6	Pcs
✓17	Scalpel 150mm ✓	6	pcs
18	Weighing machine Manual (10kg top loading dial type)	4	Pcs
✓19	Weighing machine Digital (30 kg capacity) ✓	4	Pcs
✓20	Filter papers :50x13 mm clear polystyrene, stackable ✓	1000	Pcs
✓21	Petridish 100mm glass ✓	25	Pcs
22	Refrigerator : for storage of vaccines and medicines, 150 ltr. Capacity, no frost type, double door, KEI VINATOR or equivalent	1	Set

Nepal Higher Secondary School, Ratnanagar, Tanzi.

23	Autoclave: stainless steel chamber and lid material, 23 cm x 46 cm size, 20 liter capacity with following specification: Temp. range : 110-127c, pressure range: 0.2-1.6 kg/cm ² G, Max pressure 1.8kg/cm ² G, 60min. duration timer, auto reset type, auto reset type, automatic cut-off system (thermostat), safety valve: 1.7 kg/cm ² G, Drain receiver tank 1 liter, Heater 1.2 KW, 100-240V, 1 phase, with stainless basket, and drain receiver tank.	1	Set
✓24	Tags for plants alluminium 3"X1" ✓	2000	Pcs
✓25	Pointed needle ✓	28	Pcs
✓26	Butter paper bag 3"X8" ✓	400	Pcs
27	Microscope stereo zoom type Olympus with light	2	Pcs
✓28	Hand lens 75mm s/s handle ✓	25	Pcs
✓29	Secature (Japan) ✓	30	Pcs
✓30	Budding knife (FAI.CON) ✓	50	Pcs
✓31	Duster (with all parts plastic 10 ltrs)	2	Pc
✓32	Insect collection box with materials including net	6	Set
✓33	Philip chart board with iron stand ✓	2	Set
✓34	Pin board with stand (3'X6') ✓	2	Set
35	TV & DVD (21" Flat)	1	Set
36	Modern bee hive (Newton for <u>A. cerana</u>)	4	Pcs
37	Queen excluder (Newton for <u>A. cerana</u>)	4	Pcs
38	Queen gate (Newton for <u>A. cerana</u>)	4	Pcs
39	Veil	4	Pcs
40	Smoker	4	Pcs
41	Honey extractor (for <u>A. cerana</u>)	4	Set
42	Exotic fish specimen (Silver carp, Bighead carp, Grass carp, Common carp) preserve in formalin	4	1 kg each in bottle
43	Indigenous Fish specimen (Rahu, Bhakur, Naini) preserve in formalin	3	1 kg each in bottle
✓44	Water thermometer 110°C ✓	2	Pcs
✓45	हाइड्रोमिटर ✓	1	Pc
✓46	Thresher (Simple paddy foot 50 kg) ✓	1	set
✓47	Maize Planter (simple)	2	set
✓48	Knapsack Sprayer ✓	1	pcs
✓49	Foot Sprayer (9 Lit.) ✓	2	set
✓50	Hand Compression Sprayer (9 Lit.) ✓	6	set
✓51	Common fungicides (2 types) ✓	4	liters/kg
✓52	Common herbicides (2 types) ✓	4	liters/kg
✓53	common pesticides (5 types) ✓	2	liters
✓54	Cupper Sulphate ✓	15	kg
✓55	Lime ✓	20	kg
✓56	Rooting hormones (3 types) ✓	500	ml
✓57	Growth hormones (5 types) ✓	500	ml

Nepal Higher Secondary School Ratnanagar, Indri

✓58	Micronutrients (3 types) ✓	4	litres
✓59	Sprit lamps ✓	10	litres
✓60	Sprit ✓	5	litres
✓61	Distilled water ✓	10	litres
62	Photocopier: A4-A3 size, 18-20 copies per minute, Paper Tray Capacity 250-300 sheets, continues copies 250-300, zoom: 25-400%	1	pcs
63	Assembled Computer: Intel 3rd Generation Core i5 3.2 GHz upto 3.6 GHz, 4 core/4threads, 6ML3cache, 5GT/S, Motherboard: MSI H/Board H61M-P20 supporting Intel 3rd Gen RAM: 4 GB DDR3 1333MHz HARD DISK: 1TB, 7200RPM, (Seagate/Western Digital, LED Monitor 18.5" Samsung/Dell/Acer, DVDRW, Multimedia Keyboard, Optical Mouse, Normal Speaker, ATX Casing with 450 watt power supply, All Complete with pre-installed software: Window 7, Office 2010, Auto CAD, 4 way extension cord (Sargam power strip flat & round plug) & Kaspersky	2	pcs
64	Printer Laser: A4 size duplex, 600X600 dpi 21copies per minute	1	pcs
66	UPS: Power Tree, 1.20 KVA	1	pcs
67	Fax Machine: Laser type Canon L - 170	1	pcs

Minor Items

68	Simple Plough (ox-driven wooden with all parts)	2	Set
✓69	Rake with wooden handle (12 teeth type) ✓	30	Pcs
✓70	Spades (Faruwa) with wooden handle, TATA ✓	30	Pcs
✓71	Hansiya (Sickle) with wooden handle, Local ✓	50	Pcs
✓72	Kuto with wooden handle, Local 250gm ✓	50	Pcs
✓73	Measuring Tape 30 Meter ✓	10	Pcs
✓74	Nylon rope 100 Meter ✓	2	pc
✓75	Plastic for nursery house (120 GSM) ✓	100	Sq.m
✓76	Planting board	6	pcs
✓77	Rubber pipe 30 M. 1/2" ✓	4	Roll
✓78	Tape (plastic) ✓	10	Pcs
✓79	Secature (common) ✓	30	Pcs
✓80	Pruning saw with handle ✓	30	Pcs
✓81	Plastic sheet (36/100 gage) ✓	50	Kg
✓82	Plastic bag (36/100 gage) ✓	10	Kg
✓83	Hedge cutter (medium size, FALCON) ✓	10	Pcs

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Nepal Higher Secondary School Ratnanager, Tanzi

87	रेशम किराको ओथारो राल्ने बाकस	5	Pcs	✓
88	नाडलो, प्वाख, बूस, डोको, किरा पाल्ने टांड	2	pc	✓
89	बाटा, बाल्टिन	5	Pcs	✓
90	फोहर राल्ने बाकस	3	Pcs	✓
91	Pump Set (1 Hp Indian)	1	set	✓
92	Bucket (polythene 10 liters)	3	pcs	✓
93	Rain boots	50	pairs	✓
94	Aprons	50	pcs	✓
✓95	Shovels TATA, 2.5kg ✓	12	pcs	✓
✓96	Chemical fertilizer (Urea, T.S.P, Mop 50 kg each)	3	Bag	✓
✓97	Plastic tray (1ft.X 2 Ft.) ✓	3	Pcs	✓
98	MB Plough (small)	2	Pcs	✓
99	Filter papers :50x13 mm clear polystyrene, stackable	1000	Pcs	✓
100	Petridish 100mm glass	20	Pcs	✓
101	Tags for plants alluminium 3"X1"	1000	Pcs	✓
102	Pointed needle	20	Pcs	✓
103	Butter paper bag 3"X8"	200	Pcs	✓
✓104	Inoculums for legumes	5	Kgs	✓
✓105	Glove	2	Pair	✓
106	Different fish feed ingredients (5 types)	10	Kgs	✓
107	Fish net (Drag net, Hand net, Gills net) small type	6	Pcs	✓
108	चपस्टिक	5	Pcs	✓
✓109	फमालिन	3	Litre	✓
✓110	Pointed hoe local ✓	25	pcs	✓
✓111	wooden A frame	1	pcs	✓
112	Common fungicides (2 types)	4	liters/kg	✓
113	Common herbicides (2 types)	4	liters/kg	✓
114	common pesticides (5 types)	2	liters	✓
115	Cupper Sulphate	15	kg	✓
116	Lime	20	kg	✓
117	Rooting hormones (3 types)	500	ml	✓
118	Growth hormones (5 types)	500	ml	✓
119	Micronutrients (3 types)	4	litres,	✓
120	Sprit	5	litres	✓
121	Distilled water	10	litres	✓