

5KVA Online UPS

S.N	Purchaser's Requirements	Bidder Compliance Sheet		
	General Requirements	Yes/No	Page No.in	Remark
a	Type: Double Conversion Online UPS (Triple Conversion design preferred).		Catalogue	
b	. Capacity: 5KVA			V 2
С	Phase: 1:1 (Singlephase input and output)			
d	medical equipment, banks, broadcast stations, industrial systems).			
e.	620402 (EMC) standards.			
2	Input Specifications			
a.	Voltage Range: 165–275V AC.			
b.	Frequency Range: 50/60Hz ±5% (compatible with generator input).			
c.	Input Breaker: Integrated input breaker for overload protection.			
3	Output Specifications			
a.	Voltage: 220/230V AC ±1% (userselectable).			
, b.	battery mode).			
c.	Power Factor: 0.9 (preferred) or 0.8 (optional).			
d.	Efficiency: >94% at full load.			
e.	THD: <2% for linear loads.			
f.	Overload Capacity:			
g.	125% load for 60 seconds.			
h.	150% load for 45 seconds.			
i.	Crest Factor: ≥3:1.			
j.	Transfer Time: 0 ms (AC to battery mode).			
	Battery Specifications			
a.	Voltage: 192V DC.			
b.	Charging Current: 6A standard (12A fastcharging optional).			
c.	Configuration: 16 x 12V/7.5Ah batteries (prewired or modular).			
d.	Cold Start Function: Must operate without AC input.			
e.	Battery Management: Advanced floating charging technology to extend battery life.			
	Protection & Safety		-	
a.	Protections: Overload shorts:			
	Protections: Overload, shortcircuit, overtemperature,			

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		battery under/overvoltage, and overcharge.	
	b.	Isolation Transformer: Builtin for enhanced noise immunity.	
	c.	Static Bypass: Automatic transfer to bypass mode during UPS failure.	
	d.	SelfDiagnosis: Prestartupselftest to prevent operational risks.	
6		Communication & Monitoring	
	a.	Interfaces: RS232, SNMP adapter (included or optional), dry contact (optional).	
	b.	Software: Compatible with monitoring software for realtime parameter tracking.	
	c.	Remote Management: SNMP support for network integration.	
7		Environmental Conditions	
	a.	Operating Temperature: 0°C to 40°C.	
	b.	Humidity: 0–95% (noncondensing).	
	c.	Noise Level: <45dB at 1meter distance.	
8		Additional Requirements	
	a.	Warranty: Minimum 2year manufacturer warranty.	
	b.	Documentation: User manuals, compliance certificates, and installation guides.	

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S.N	. Purchaser's Specifications	Water Distillation System	D:11		
			Bidder	s Compliance	Sheet
1	Manufic		Yes/No	Page No. in Catalogue	Domani
2	Manufacturer			Catalogue	Remark
3	Brand				
4	Type / Model				
4	Country of Origin				
5	Description of Function	Laboratory Water Purifier for DI Water Production			
6	Operational Requirements	RO+DI Purification Process			
7	System Configuration	Complete unit with filtration cartridges and control system			
8	Technical Specifications	g some of by sterin			
8.1	Water Output Type	DI Water			
8.2	Water Output Speed	15 LPH			
8.3	Water Supply Requirement	Tap Water with TDS < 200PPM, 5-45°C, Pressure 1.0- 4.0KGF/cm ²			
8.4	Purification System	Special Spun fiber filter X2, Active carbon block filter X2, 75GPD RO Unit, Mix bed resin Cartridge X2			
8.5	Desalination Rate	Less than 99%			
8.6	TDS	DI Water 0-4 PPM			
8.7	Conductivity	0.1-4µS/cm			
8.8	Control System Water	Automatic cut-off when pump stops, 24-hour non-stop operation			
8.9	Quality Monitor	TDS Meter			
9	Accessories, Spares, and Consumables	Should includes all necessary accessories for operation			
10	Operating Environment	Should designed for laboratory conditions			
1	Standards and Safety Requirements	Compliance with industry standards			
2	User Training	Supplier must provide user training			
3	Warranty	Comprehensive Warranty for 2 years			
4	Maintenance Service During Warranty Period	Preventive and corrective maintenance support			
5	Installation and Commissioning	Installation by qualified personnel			
6	Documentation	User and service manuals in English			

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Refrigerator

CAN	Refrigerator			
S.N.	F	Bidder's	Compliance	Sheet
	Refrigerator	Yes/No	Ref.Docs Page No.	Remarks
	Manufacturer		Tage 110.	
	Brand			
	Type/Model			
	Country Of Origin			
1	Description of Function			
1.1	Refrigerator is used to store samples, reagents etc. under controlled temperature conditions.			
2	Operational Requirements			
2.1	Refrigeration system: CFC-free refrigerant cooling system, 220-240V/50 Hz			
2.2	Capacity of storage: Minimum 385L			
3	System Configuration			
3.1	The system consists of: Double Door Refrigerator for reagent of minimum capacity 200L.			
4	Technical Specifications			
4.1	Interior light to operate when door is opened.			
4.2	Locking door supplied with minimum two keys.			
4.3	Adjustable shelves. (Min. 3)			
4.4	Low energy consumption.	e francis		
4.5	Low Noise Level			+
5	Accessories, spares and consumables			+
5.1	Accessories: Digital Thermometer-1			
5.2	All standard accessories / consumables/parts required for the proper operation of the above item shall be included in the offer.			- N
6	Operating Environment			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power input to be 220-240VAC, 50Hz fitted with appropriate plug. The power cable must be minimum 3 metres long.			
7	Standards and Safety Requirements			
7.1	Must submit ISO 9001			
8	User Training			
8.1	Not applicable.			
9	Warranty			
9.1	Comprehensive warranty for 2 year			
10	Maintenance Service During Warranty Period			

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10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	Installation, Inspections and Commissioning	
11.1	Must supply preassembled unit, ready to use.	
11.2	Inspections to verify the compliance of the offered equipment as per specifications will be conducted by the technical team appointed by the purchaser.	
12	Documentation	
12.1	User (Operating) and Service (Technical/Maintenance) manuals to be supplied in English.	
12.2	List of important spare parts and accessories with their part numbers and costing.	

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CAL	Chemiluminescence Immunoassay A	nalyse	er		
S.N.	Purchaser's Specifications	В	idder	's Complian	e Sheet
	Chemiluminescence Immunoassay Analyser	Yes	No	Page No. in Catalogue	Remarks
	Manufacturer			8	
	Brand				
	Type / Model				
	Country of Origin				
1	Description of Function				
1.1	A diagnostic equipment based on the highly specific interaction between an antibody and an antigen. Electro-Chemiluminescence (ECL) Immunoassay analyser is used to perform serological tests to detect or measure specific proteins or other substances through their properties as antigens or antibodies.				
2	Operational Requirements				
2.1	Fully automated analyser to perform the immunoassays from serum or plasma.				v .
3	System Configuration				
3.1	Eletcro-Chemiluminescence (ECL) Immunoassay Analyser, complete unit with inbulit color touch screen and with preloaded software.				
4	Technical Specifications				
	System shall be based on latest "Eleectro-Chemiluminescence (ECL) based on Biotin and Streptavidin labelled antigen/antibodies with Ruthenium electron based electrochemsitry principle" technology for measuring the assays with very high sensitivity and linearity and micro superparamagnetic beads particle separation.				
	System shall have batch, random or continuous random				
	access.				
4.3	System shall have provision of emergency/STAT samples.				
4.4	Sample Position: Minimum 30 continous loading.				
4.5	System shall have throughput of minimum 80 tests/hr.				
4.6	RFID card based reagent system.				
	Shall have minimum 2 dedicated probes for reagent and sample handling with liquid detection, clot detection, air detection, needle blocking and Anti-collision. The reagent parameters must have expiry of 18 months, open stability should be both upto 56 days (kit inserts should be provided for verification), this will help the run utlise instrument in low volume labs of PPHL-madhesh with various testing				
	low volume labs of PPHL-madhesh with various testing parameters.				

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S.N	. Purchaser's Specifications	В	idder	's Compliand	e Shoot
	Chemiluminescence Immunoassay Analyser	Yes	No	Page No. in Catalogue	Remarks
4.8	must have inbuilt bar code reader for sample along with				
4.9	primary sample tube loading facility.				
4.9	must have automatic sample dilution facility.				
4.10	Must have inbuilt thermal printer for printing of calibratuon, QC and test result data.				
1.10	test result data.				
4.11	Both the Calibrator and QC should be internal from the company, and should be provided at free of cost everytime with purchase of reagent. Addionationally, the third party QC must be available from Randox and Biorad both with ranges.				
	Every test parameter must have maximum 2 point calibrator				
	with master calibration curve/data from manufacturer				
4.12	company, with purpose of less reagent consumption during calibration.				
4.10	Must have facility to load minimum 100 fresh reaction				
4.13	cuvettes in the incubation position of the system				
	The reagent must be available in smaller pack size of 50 T				
1 1 1	to avoid expiry and sustain running of less moving test				
4.14					
4.13	Following tests should be available:				
	a) Tumor markers b) Hormones.				
	c) Bone Metobolism and Anti CCP				
	d) Fertility including AMH(Anti-mullerian hormone) e) Hepatic Fibrosis	×			
	f) Cardiac Functions.				
	g) Gastric cancer Function				
	h) Vitamin B12 And Vitamin D				
	i) Cardiac emarganay, pagawat i 1 11				
	i) Cardiac, emergency parameters including ctni, hs-tnt, CK-MB, NT proBNP				
	j) Covid items like IL-6, D dimer, PCT, Neutralization antibody				
4.1-	Computer: Must have in built (not the external PC to save				
4.16	lab space) color touch screen computer display, with				
	complete software loaded in wondws 7/10.				
4.17	Must have facility to collect both liquid and solid waste for better disposal.				
4.18	Reagent storage and expiration reminder to avoid waste				
	The routine parameter (including complete panel of thyroid				
1.19	113, 114, and TSH) must be reportable in maximum 20				
	minutes and emrgency parameters like CK-MR Troponin				
	NT ProBNP, D-dimer etc in less than 10 minutes. Kit insert				

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S.N	. Purchaser's Specifications	В	's Compliana	Compliance Sheet		
	Chemiluminescence Immunoassay Analyser	Yes	No	Page No. in Catalogue	Remarks	
	should be prvided to verify reporting time.					
4.20	The kits must have calibrator and QC inside the reagent box, no need to purchase separately to be cost effective for hospital on operation cost perspectives.					
5	Accessories, spares and consumables					
5.1	Accessories: • Shall provide sufficient kits for at least three parameter as a start-up kit complete with reagents, controls, calibrators, accessories, etc. free of cost					
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above)					
6	Operating Environment					
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity.					
6.2	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be approx. 3 metre in length.					
7	Standards and Safety Requirements					
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices and CE or USFDA approved product certificate					
7.3	Shall meet IEC 61010-1 safety requirements for electrical equipment for measurement, control, and laboratory use					
8	User Training					
8.1	Must provide user training (including how to use and maintain the equipment).					
9	Warranty					
9.1	Comprehensive Warranty for 2 years.					
10	Maintenance Service During Warranty Period					
10.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.					
11	Installation and Commissioning					
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.					

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S.N.	Purchaser's Specifications		600		
		В	idder	's Complian	ce Sheet
	Chemiluminescence Immunoassay Analyser	Yes	No	Page No.	Remarks
110	There must be atleast 20-40 units of same model from same			Catalogue	Acmai RS
11.2	manufacturer in Nepal, for smooth assurance of reagents/consumables supply chain, application support and after- sales service. The customer list should be provided. Documentation				
12	Documentation				
12.1	User (Operating) manual in English				
2.2	Service (Technical / Maintenance) manual:				
- 1	List of important reagents, consumables, spare parts and accessories with their part numbers and costing.				
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S.I	N. Purchaser's Specifications Fully Automatic Bio-Chemistry A	nalyzer		
		Bidder's Compliance (Yes / No)		Remarks
	FullyAutomatedBiochemistrySystem Manufacturer	Se Co	Ref Pag	
	Brand			
	Type/Model			
1	Country of Origin			
1	Description of Function			
1.1	Forbiochemical analysis of the second			
2	(CSF) and other body fluids.			
2	OperationalRequirement			
2.1	Adlscretenationthyionidi			
	clinicalchemistryanalyzer,forchemistries,enzymes,proteins,drug assays,			
	electrolytes etc. in serum all			
.1	System configuration.			
	FullyAutomated Bio Chamitata			
1	Technical Specifications On Property Analyzer with complete accessories.			
.1	UnBoardParameters, Mini			
	WaterConsumption: Nomorethan4 L/hour. Throughput: The Secret			
.3	Throughput: The System should have 240 tests per hour without ISE.			
5	B. Standay C24 of est sperhour without ISE.			
	ReagentPosition: Minimum40 refrigerated reagents position. SamplePosition: Minimum40 positions with the sample position and the sample position.			
	SamplePosition: Minimum40 refrigerated reagents position. ReactionCuvettePosition: Minimum56			
/	ReactionCuvettePosition:Minimum56positionforsemidisposable cuvettes.			
3	cuvettes. Describing oposition or semidisposable			
)	ReactionSystem: Cuvettepathlengthof5mmwithtemperature maintained			
	at $3/$ °C ± 0.1 °C			
	OpticalSystem:			
	a) DetectorMethod:Directabsorbanceincuvette(bichromaticor monochromatic).			
	monochromatic).			
	b) Filters:Min.12nos.Between340–8000nmWavelengths.			
	c) O.D.Range:0to3.3 d) LightSource:12vot20			
	e) ShouldhaveGratingPhotometersystem.			
a)	SampleProbesystomsChanklin		-	
po	SampleProbesystem: Shouldhavemultifunctionreagent/sample			
	and collision protection			
b) S	pample volumeshouldbeaslow as 2nd			
	c) Systemshould have on beautiful in the systems of the system of the sy			
	c) Systemshouldhaveonboardrefrigerationfor reagents. d) Tefloncoatedstirrerwithtriplespeedmixingmechanism.			
	e) Preandpostdilution facility should be provided.			

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	f) Shouldheableton a C	**	00%
	f) ShouldbeabletoperformHba1C,ASO,CRP,RFetc.		
	g) Shouldhaveautorerunfacility.Onboardlaundrysystem		
	should be available. Should have degassing technology.		
4.11	Calibration I:		
4.12	Calibration:Linear/Non-Linear/Multipoint. OualityControlMan Linear/Multipoint.		
7.12	QualityControlModule:Levey-Jennings,SD,CV%(minimum2 Quality		
4.10	levels per parameter).		
4.13	State aculity: Provision forms		
4.14	DetectionFacility:Bubbles,ReagentLevels. Communicationary II.		
4.15	Communicationandhostinterface:MusthaveLaboratory Information System (LIS) Interface:		
	Information Section Strate Tace: Musthave Laboratory		
4.16	Information System (LIS) Interface.		
	omputer operation.		
	BrandedPCwithconfiguration:CPUstandardPentium,Standardsize RAM, Standard size hard disk drive High Sandardsize		
1	RAM, Standard size hard disk drive History Standardsize		
	Reyboard, Mouse and Mouse B. 111gh Speed DVD ROM.		
	Keyboard, Mouse and Mouse Pad; Preloaded latest MS Windows Versions activated; standard size Monitor.		
	estanto.		
5	Accessories, spares and consumables		
5.1	Shouldquotethe fire 1		
	Shouldquotethefixedreagentpriceforminimum2 yearsforallthe tests		
.2	A H-4- 1 1		
	Allstandardaccessories, consumablesandpartsrequiredtooperatethe		
	equipment including all standard tools and cleaning and lubrication		
	materials, tobeincluded in their offer (included)		
	every item' included in their offer (including item) of		
	every item' included in their offer (including items not specified		
	Operating Environment		
1	heproductofferedshallhada:		
1	ormally under the conditions of the conditions o		
l	depowersupply climate to		
? F	depowersupply, climate,temperature,humidityetc. lug to meet purchaser's country requirements		
n	lug to meet purel		
S	lug to meet purchaser's country requirements.		
T	tandardsandSafetyRequirements		
	insulits lid line certified to me and Co. 12 in		
3	hallmeetIEC61010-2forelectricalsafety requirements.		
M	ustprovideusertraining(includinghowtouseandmaintainthe		
eq	uipment).		
W	arranty		
C	Omnrehoùsi		
M	omprehensivewarrantyfor2years.		
TATE	intellanceServiceduringWow.		
1	The wall all vierlogelinn items		
ma	intenance whenever required.		
Ins	tallationandcommissioning		
Sur	ppliermustaccomplishproperinstallation&commissioningofthe		
	dispussion of the state of the		
equ	ipment on site.		

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	12	Documentation
	12.1	User(Operating)manualinEnglish.
	12.2	Service Technical/Maintanan N.
	12.3	Validmanufacturerauthorizati
L	September 1	Validmanufacturerauthorizationorsubauthorizationoftheproduct must be submitted
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Bhajani Municipality Lab Equipments BOQ			विश्वम प्रदेश, के		THE STATE OF THE S
s.no.	Name of products	strength	Quantity	rate	total amount
1	Fully automated bilochemistry analyzer with reagent	USFD /IFCC/ISO/CE	1 set		*
2	CLIA analyzer (Thyroid) With reagent	USFD /IFCC/ISO/CE	1 set		GI .
3	Distilaation Machine		1 set		
4	Online ups	5 KVA	1 set		
5	Lithium Battery for invertor		2 set		
6	TDS meter		1 set		
7	PH meter		1 set		
8	Revolving chair with suspension		1 set		
9	Stools with suspension and support		5 set		
10	Cupboard ILR Refrigerator		1 set		
			total amount		
			vat 13%		
			Sub Total		