

**U.P. STATE CONSTRUCTION AND INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD.**

(A Govt. of U.P. Enterprises)

(AN ISO 9001:2000 certified Organisation)

Reg. Office : T.C. – 46 V, Vibhuti Khand, Gomti Nagar, Lucknow (U.P.)

FINANCIAL BID

FOR

**Work of Central sterilization and supply
department at Medical college Agra**

(UTTAR PRADESH)

(VOLUME-II)

Name of :.....

Address:.....

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**U.P. State Construction and Infrastructure Development
Corporation Ltd.
Bill of Quantity**

**Name of Work :- Estimate for Central Sterilization Supply Department (C.S.S.D) At
S.N. Medical College, Agra.**

S.N.	Particulars	Amount(Rs.Lac)
1.	Cost of work	228.75
	Total	228.75
	Less 5 %	(-) 11.43
	Total	217.31

J.E.

A.E.

E.E.



Rate offered by bidder (+) %
Above/below
In Word
In Figures

Rs.....Lacs

Net Amount
Rs.....

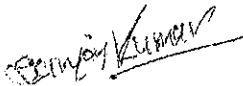
Signature of bidder

U.P. State Construction & Infrastructure Development Corporation Ltd.
TC/46-V, Vibhuti Khand, Gomti Nagar, Lucknow.

Project :- Preliminary Estimate Of Proposed Central Sterile Supply
Department (C.S.S.D.) at S.N. Medical College, Agra

BASED ON PLINTH AREA RATES OF U.P.P.W.D. FOR THE YEAR 2015
('B' CLASS R.C.C. FRAMED STRUCTURE)

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
					(IN LACS)
1	COST OF CONSTRUCTION OF: GROUND FLOOR	200.00	SQM.	13600.00	27.20
		200.00	SQM.	TOTAL	27.20
2	ADD FOR ANTITERMITE TREATMENT AT G.F. ONLY	200.000	SQM.	250.00	0.50
3	ADD FOR EXTRA Ht. OF BUILDING ABOVE NORMAL Ht. OF 2.90m (3.60-2.90/0.30) x 570	200.000	SQM.	1333.80	2.67
4	ADD FOR INTERNAL WATER SUPPLY	10 % of Rs.		27.20	2.72
5	ADD FOR INTERNAL ELECTRIFICATION	12.5 % of Rs.		27.20	3.40
6	ADD FOR EXTERNAL W/S & SEWERAGE	5 % of Rs.		27.20	1.36
7	ADD FOR INTERNAL SITE DEV. WORKS	5 % of Rs.		27.20	1.36
8	ADD 4% FOR POWER WIRING	4 % OF RS.		27.20	1.09
9	EARTH QUAKE RESISTANT STRUCTURE	200.000	SQM.	1100.00	2.20
				TOTAL Rs.	42.50




J.E. (Elect.)



A.E. (Elect.)

(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)



E.E. (Elect.)

(के० एल० शिवहरे)
अभि० अभि० (वि०)

U.P. State Construction & Infrastructure Development Corporation Ltd.

TC/46-V, Vibhuti Khand, Gomti Nagar, Lucknow.

Estimate of Proposed: Central Sterile Supply Department (C.S.S.D)

1.	<p>DOUBLE DOOR AUTOCLAVE: (High Pressure and Vacuum Type) Capacity : 15-16 STU Fully computerized controlled, Alpha-numerical / Graphical /Digital type display. The normal working pressure will be 1.2 - 2.1 Kg/cm² corresponding to temperature 121-134oC. The Chamber will be constructed of AISI-316 Stainless steel and jacket will be constructed of boiler quality steel. The Chamber and jacket will be insulated with Chloride free mineral wool. The door sealing system will be with Silicon gasket. All Steam Piping will be made of stainless steel Safety valve spring loaded and vacuum breaker. Pressure and compound gauge Screen plug for chamber discharge line. Chamber discharge line with team trap and swing check valve. The operation of the sterilizer will be activated by means of solenoid/pneumatic valve The Sterilizer will be fitted with Control Panels of Stainless steel construction where discharged steam from the autoclave on opening of the door cannot impinge on it. The Control Panel contains the control system and associated circuitry. Each circuit will be protected by a miniature circuit breaker. All electrical components in the control panel will be labelled. All wiring will be insulated and labelled to link with the circuit wiring diagrams and will be resistant to conditions of high humidity and heat, eg. PVC and silicon insulated wires. Direct computer type PLC for the process automation. This is application oriented branded computer type PLC configuration with industrial instrumentation compatibility including processor with suitable memory, CF Card, Imported tower cabinet with ATX-SMPS and PC-ADD-ON card compatibility for process automation with universal interface for LCD / LED monitor and normal Key Board. The digital display at front panel to show parameters: Chamber Pressure Chamber temperature Cycle no. Batch no. Time & Date</p>	2 Nos.	2580000/-	5260000=00
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Brij Kumar

(Signature)
(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

	<p>Alarm indicator Low water indicator Printer that will monitor and record dates, time of day, load, identification no. and operating parameters i.e. temperature, pressure and residence time automatically and continuously throughout the sterilization cycles The Sterilizer will have built-in Steam Generator fitted below the sterilizer chamber. The Steam Generator pressure vessel will be made of AISI-316 Stainless steel and will be insulated in 50mm Chlorine free mineral wool enclosed in rigid removable steel sheet housing. A water level Gauge glass for inspection will be provided with Steam Generator. The unit will be fitted with elements made of Stainless steel. Process Automation Software. Process parameters like Leak test vacuum, Leak test hold, Leak test tolerance, No. of pulses, pulse pressure, pulse vacuum, sterile temp., sterile time, drying vacuum, drying time and etc will be programmable. Bowie-Dick test, HPHV, Standard cycles for liquid med glass wear and instruments.</p>			
2.	<p>HIGH SPEED HIGH VACUUM STEAM STERILIZER: Capacity : 4 STU Specification: The inner chamber, steam jacket, outer chamber and boiler are made of heavy gauge stainless steel with leak proof argon arc welding. Lid is made of thick machined Mild Steel plate lined with stainless steel from inside The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses. Hydraulically tested to withstand 2.5 times the working pressure. Steam boiler is fitted with water level indicator, pressure gauge, low water cut-off device and automatic pressure control device. Fitted with safety valve as a safety device. Drain valve is fitted at the side bottom for easy draining/cleaning. The unit is provided with a positive self-locking safety door which cannot be opened while the chamber is under pressure and disengages automatically when chamber is exhausted. This affords complete safety to the working personnel against explosive opening. Two separate valves are provided for evacuating steam from inner chamber and jackets as and when desired. Sterilization Cycle is controlled by SINGLE POINT MULTIPORT Valve. The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.</p>	1 Nos.	465000/-	465000=00

Sanjay Kumar

PKZ

(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

	<p>An automatic vacuum breaker is fitted to break vacuum in case of steam condensation.</p> <p>The flanged immersion type heating element made from very high grade material provides fast formation of pressure in the system and are protected through a electric low water level cut-off device.</p> <p>Sterilizers is provided with triple safety features, through a (Automatic Pressure Control System) and a spring loaded safety valve fitted to the boiler/steam generator. The chamber is fitted with spring loaded safety valve and a dead weight release valve.</p> <p>Gasket Silicon Rubber Display Dial Thermometer Exhaust of Pressure 1.2 to 1.5 kgf/cm² (15 to 20 ps Sterilizing Pressure 121°C MOC (Pressure Vessel) Stainless Steel (SS-304) MOC (Jacket) Stainless Steel (SS-304) MOC (External Wall) Stainless Steel (SS-304) MOC (Boiler) Stainless Steel (SS-304) MOC (Lid) Stainless Steel (SS-304) LOAD 12 kw POWER SUPPLY 440V AC, 3 Phase Supply</p>			
3.	TABLE TOPE STERILIZER:	1 Nos.	285000/-	285000=00
4.	<p>ETHYLENE OXIDE STERILIZER (ETO) Make : Labco Capacity : 540 Ltr.</p> <p>Chamber made of anti-corrosive AISI- 316 Stainless steel. Size- 600 x 600 x 1500mm</p> <p>The inner surface of the chamber will be smoothly finished to minimize gas deposit. Chamber will be heated with Strip air heater / Hot water circulated through the coil of AISI-304 around the chamber to maintain the chamber temperature at 40 – 75oC. The chamber will be insulated by 50 mm thick R.B. fibre glass/R.B glass wool covered by Stainless Steel-304. Silicon door gasket</p> <p>Working pressure of 20" Hg to 1.2 kg/cm².</p> <p>Door(Single) made of AISI-316 with locking arrangement process with suitable safety interlock so that the process cannot start unless the door is properly closed and cannot be opened during operation.</p> <p>Box typed Panel made of AISI – 304 Stainless steel sheet.</p> <p>Water ring type Vacuum Pump provided to achieve high level of air removal for high sterility and efficient residual gas removal during aeration process from the chamber and gas strap to separate and evacuate the gas.</p> <p>Gas Purging provided with ETO +CO₂ cylinder.</p>	1 Nos.	1990000/-	1990000=00

(Signature)

(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

	<p>Fully automatic Computer control models for Sterilization process. Stand will be of AISI-304 Stainless steel. Dot-matrix printer will print date, batch/ load number, program type elected and program parameters which includes one point pressure and one point temperature print out. Following programs with variable parameters will be provided to take user's requirement. Fully automatic operation. Positive Pressure Cycle (with ETO (20%) + CO2 (80%) cylinder. Negative Pressure Cycle (100% ETO Cartridge) Microprocessor based Process control System (PCS) The control system will provide following features: High and Low temperature and pressure alarms Capability of storing and running up to 6 different programmes All process parameters can be easily changed Pass-word protection to prevent unauthorized access. Data Acquisition Systems for process Log and report A Comprehensive selection of alarm functions will be also available Temperature and pressure alarms, Time too long for different phases. Gas leakage in the work, Insufficient feeding of ETO Gas etc. Accessories - 1 no. Air Compressor ETO Cylinder - 1 No</p>			
5.	<p>WASHER DISINFECTOR Size – 450X600X800 mm Washer Disinfector, single door, suitable for cleaning and disinfection of surgical instruments, anaesthetic equipment, suction bottles, cleaning buckets, general circulation goods, dental tray Feeding bottles, Kidney basins, Dressing bowls, anaesthesia tubing and glass will be with a fully closed process.) Fully automatic with advanced microprocessor based which controls all services, programming and statistic functions. The service and programming functions will be coded for safety reasons. The control system will be housed in a cabinet attached on the main body of the machine. The salient features will be: Microprocessor controller with easy to use. Pre-programmed for simple use PROG 1 : Instruments PROG 2 : Kidney bowls/trays/basins. PROG 3 : Bottles PROG 4 : Tubing's PROG 5 : Vessel PROG 6 : Plastic/Rubber Goods</p>	1 Nos.	1950000/-	1950000=00

Banaji Kumar

B

(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

	<p>Time & Temperatures will be set by the user. Possibility to repeat or skip a particular phase. Password protection for un-authorized access. Touch Screen Control panel The door will be provided with interlocking system and expansion type Silicon gasket seal. The chamber will be equipped with four spray arms which will ensure good water penetration from all directions. Other attachments will be provided to suit the load to be washed. Suitable dosage of detergent will be preset with the dosing pump. The Circulating pump will be driven by a 3phase electric motor The Wash chamber, the inside the door, the pipe work system and the circulations arms will be made entirely of AISI-304 Stainless steel. Stainless steel (AISI-316) Steam Generator (9Kw) for automatic steam generation with automatic water feeding and pressure regulation. All Piping will be AISI-304 Stainless with TIG welding. Hot Air Drying/Circulation System Electrically operated</p>			
6.	<p>ULTRASONIC CLEANER: Capacity : 30 Ltr. Cleaning by ultrasonic will promote extremely high degree of soil removal at very fast rate comp will bed to other conventional methods of cleaning and penetrate into the most intricate and inaccessible will beas. The cleaning tank will be made of high grade stainless steel 304 Output frequency 30khz. The unit will be complete with single tank, a thermostat and a timer, basket for tank and tank cover. Specification: Electric Supply : 230v AC / 50HZ Ultrasonic power : 1500 + 1500Watts. Ultrasonic Control : Digital Timer Frequency of operation: 30 kHz +/- 3 kHz Tank clear Size. : 30" x 18" x 18" (L x W x H) MOC : S.S.304 / 16 SWG Heater : 1.5Kw x 2Nos. Temperature Control : By Analog Temp. Controller Construction : Ultrasonic Generator & S.S. Tank Drain : S.S. Teflon's seated ball valve is fitted on rear side of S.S. Tank Filter : Filtrations Pipes provided on rear side of S.S. Tank</p>	1 Nos.	285000/-	285000=00
7.	<p>GLOVES PROCESS MACHINERY: Complete unit with following</p>	1 Set	1865000/-	1865000=00

Sanyal Kumar

B
(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

	<ul style="list-style-type: none"> • Washing Machine • Drying Machine • Powdering Machine • Puncture Resistance Testing Machine: 			
8.	<p>ENDOSCOPE WASHER:</p> <p>The Endoscope Machine uses programmable microcomputer controller to automatically apply clean water enzyme liquid, disinfectant and stroke transformation system, and conducts washing, Static washing flow immersing and other process to finish the entire sterilization process.</p> <p>The 0.16Mpa water spout from the mouth can fully pack the endoscope body. Use the special ring brush to wash the endoscope in and down in repeat. The other three nozzles can disinfect the washing clamp passage, attracting passage and injection fluid passage. Inject gas into the inner channel while transferring the water, enzyme and medicine fluid, thus to finish to whole cleaning and disinfecting process.</p> <p>Application:</p> <p>Application in the cleaning and disinfecting of soft endoscopes, gastroscope, duodenoscope, Colonoscopy, bronchoscope, ENT scope and choledochoscope, Endoscopes shall finish immersing treatment.</p> <p>Technology Features:</p> <p>Fully Automatic: One button operation the equipment can automatically finish the process from water inlet to pipe drying. No manual operation.</p> <p>Foot-controlled electric: Avoid the secondary pollution when you pick up the endoscope after opening the cover.</p> <p>Self-Disinfecting: Avoid secondary pollution from the careful cleaning process, which is in line with the specifications of Europe, America and Japan standards.</p> <p>Thermostat: The cleaning and disinfecting effect is free of the climate and season change, so the effect will be lowered with temperature decrease.</p> <p>Cleaning Efficiency: The cleaning and disinfecting time is between 8 and 10 minutes, which greatly shortens the cycle and improve the working efficiency (the fastest cleaning and disinfecting machine in the world now)</p> <p>Display Screen: Programm running time, function display, default alarm and repair default display.</p> <p>Printing Function: Recording and checking endoscope cleaning and disinfecting time.</p> <p>Endoscope all process leaking detection: Keep monitoring of the whole process. Conduct alarm and drain water automatically if there is any leakage to protect the endoscope.</p>	1 Nos.	1835000/-	1835000=00
9.	<p>SEALING MACHINE</p> <p>sealer is in the function on continuous carry, seal in one operation, and enable to horizontally, vertically and with</p>	1 Nos.	229250/-	229250=00

Rajendra Kumar

	<p>stand, the machine adopts electronic constant temperature mechanism and steeples speed adopts electronic constant temperature mechanism and steeples speed adjusts transmission mechanism, it can seal plastic film in various kinds of materials.</p> <p>Technical Specification:</p> <p>Sealing Width : upto 10 mm</p> <p>Sealing Speed : 3-4 meter / minute</p> <p>Max Conveyor Load : 5 kg</p> <p>Conveyor Width : 125 mm</p> <p>Temperature Range : 0-300 Degree c</p> <p>Power : 50 Hz 1Ø - 220V/5A</p>			
10.	<p>PASS BOX: Size -24"X24"X24"</p> <p>The Pass Box is based on the principle of isolated sterile transfer area which can be accessed with one side at a time.</p> <p>Pass Box is used for transfer of material from and into the clean room, without contaminating the air of clean room and without having to open room door. This is achieved with the help of interlocking type doors of pass box. This equipment is installed in the wall between the clean room and the other room. The pass box has two doors at its extreme ends: One door opens in the clean room and other door opens in the other room. These doors are electrically interlocked type so that any one door can be opened at a time. This avoids direct flow of air from the clean room to the other room or vice versa. This also obviates the need to open the clean room. Thus, it help in achieving the aim of material transfer without disturbing the cleanliness level of the clean room complete body made of Stainless steel 304, Two door with interlocking system, electrically operated.</p> <p>UV light/Door/Fluorescent Light Inter Lock i.e. UV switches ON only when door is closed, and automatically switches OFF fluorescent lights</p>	1 Nos.	76400/-	76400=00
11.	<p>DRYING CABINET Size -750X750X1500 mm</p> <p>Digital timer Controlled Drying Cabinet with single door suitable for easy and quick drying of instruments, utensils, glass will be and anesthetic accessories such as corrugated hoses, breathing masks, respiration bags and surgical instruments trays etc.</p> <p>The unit will be provided with digital display with countdown drying time and drying time selectors, temperature selector including indication of selected temperature.</p> <p>The drying cabinet will be provided with a quick lock door with heat resistant gasket expansion type Silicon.</p> <p>The chamber design will allow uniform air circulation.</p>	1 Nos.	265000/-	265000=00

Omprakash Kumar

(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

	Piping and Valves Low pressure piping and valves High pressure piping and valves Electrical and Control Panel Power cabling and Control cabling			
15.	WASH STATION WITH GUN (Double Sink) Wash station with double sink unit will be of AISI-304 Stainless steel for washing and cleaning. Spray Gun Rinser connections – for washing of instruments. Complete stainless steel body construction, with four leg supports made of stainless Steel AISI 304 and bullets for adjustment, Table Top will be of 16 swg Stainless steel The Unit Complete will be with hot water, cold water and air spray for rinse provisions.) Sinks of 16 swg thick SS-304 will be designed in a way to minimize splash. Rounded corners all around. One under shelf made of stainless steel SS304.	1 Nos.	210000/-	210000=00
16.	AIR COMPRESSOR: Specifications: Capacity (m3/h(cfm) 9.99(6.77) Working Pressure kg/cm2 (psi) 10 (140) Motor Power Rating HP (Kw) 3.0 (2.2) Applicable Tank Capacities Ltr. 100	1 Nos.	160000/-	160000=00
17.	PACKING AND CONTROL TABLE WITH TWO SHELVES AND DRAWER The height adjustable inspection and packaging table to be used for sorting, inspection and packing of various sets and for surgical instruments. The table top of the table is fabricated out of S.S. 304 and polished to a mat finish. The tabletop will be fixed on a Stainless steel AISI-304 squwill be/round tube frame. The frame will be provided with levelling lugs for suitable adjustment of height up to ±25 mm. Drawer : 2 nos drawers made of Stainless steel -304	1 Nos.	115000/-	115000=00
18.	TRANSFER TROLLEY WITH UNDER SHELVES MOC-Stainless Steel 304, The Closed transport trolley will be for transfer the sterile goods from CSSD dept to different dept in a completely closed cart. Sterile baskets, Dressing drum, Instrument tray/packets also shall be transferred. The trolley will be designed for transporting up-to 9	1 Nos.	98000/- 189019	98000=00

Bangji Kumar

(आर० एम० त्रिपाः
सहा० अभि० (वि०))

	baskets. The trolley will be fabricated out of stainless steel tubing ground and polished with horizontally mounted stainless steel shelf's for transferring sterile goods. The trolley will have two fixed Brake type castors in the front and two swivelling castors at the rear			
19.	FREE STANDING SINGLE SIDE BASKET RACK -8 BASKET Size-450x650x2050 mm The basket rack will be manufactured as a modular system with storage consoles suitable for storage of sterilizing baskets made of steel profile 50x30 mm welded on both sides to a sturdy pillar made of steel profile 50x50 mm welded and the pillars will be joined together by support frame also made of steel profile .The pillar shall be mounted on adjustable feet suitable for adjusting + 25 mm.The entire rack will be galvanised and finished smooth for easy handling and cleaning. Each section will be suitable from storing of 8 in single & 16 in double basket racks.	4	85000/-	340000=00
20.	STERILIZING BASKET Size-585X395X95mm MOC-Stainless Steel 304 Basket shall be made of corrosion resistant SS wire with welded joints. Basket will be adaptable with disinfectors, transfer carriage sterilizing and storage equipment.	8	8000/-	64000=00
21.	TROLLEY WASH UNIT The trolley washer Stationary type shall be used to wash and disinfect the transfer trolley, closed transfer trolley, which returns from hospital ward. This also will wash Basket Tray etc. Hot and cold water mixing arrangement will be equipped with the unit for cleaning application. And Jet system with flow control for intensive cleaning, Soap, disinfect for flow arrangement.	1 Nos.	485000/-	485000=00
22.	GAUZE CUTTING MACHINE (Without Table) The thickest of Cotton gauze material will be cut smoothly.) This machine will be operated with a Single phase motor and a (knife sharpening unit that gives a finely honed edge to the cutting blade) on the touch of a control lever/button. The motor cooling fan will be equipped to dissipate heat build-up and direct the hot air-flow away from the operator. (Blade will be sharpened by the automatic sharpening unit only when the lever is pressed down.)	1 Nos.	98200/-	98200=00
23.	Supply & Erraction of Factory Fabricated & wired metal clad dust and vermin proof floor mounting, M.S. Channel Base with Bottom and top cable entris Electrical control	1	683300/-	683300=00

Sanyal Kumar

(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

	<p>panel with TPN MCCB's (Four Pole 36 KA with thermal magnetic release) Switches complete and instrument chamber etc. complete in all respects. The instrument chamber shall be separate and shall comprise of flush type digital metering system for phase to phase voltage and single phase voltage, current and other parameters (KVA, P.F., KW etc) in each phase with touch type selector switches for different readings, instrument fuses, current transformers etc. The panel board shall have suitable capacity electrolytic aluminium busbars as per IS8623 or above insulated with heat shrink sleeving and mounted on non hygroscopic supports such as CMC/BMC support with detachable side covers and shall be suitable for extension on the sides. The MCCB's shall be complete with suitable cable end boxes, compression glands and indication lamp on incoming etc.</p> <p>The job includes the grounding of the board as per direction of Engineer in charge. All outgoing of 100 Amp and above shall have an Ammeter. The panel board shall be fabricated with CRCA sheet with a minimum thickness of 1.6MM/2mm. Cubicle type switch board.</p> <p>Incoming: 630 Amp. MCCB-1 No. (SECRETAR.) Outgoing: 200 Amp. MCCB-1 No. 100 Amp. MCCB-1 No. 63 Amp. MCCB-8 No.</p>			
24.	<p>Supply & Laying of Aluminium Conductor PVC Insulator Armoured served Sheathed cables 1100 Volts grade at a depth of 750 mm below ground level over a cushion of 75 mm. thick sand all around and protected with burnt bricks on sides and on top. On surface the cable run shall be fixed on M.S. clamps etc. of suitable size or as directed by the Engineer-Incharge, complete in all respect. the armouring of the cable shall be properly connected with the earth conductor by clamps etc.</p> <p>400 Spm x 3-1/2 core (501 t) 120 sqm X 3-1/2 core (501 o) 25 sqm x 3-1/2 core (501 J)</p>	<p>100 Mtr 100 Mtr. 150 Mtr.</p>	<p>2625/- 1047/- 365/-</p>	<p>262500=00 104700=00 54750=00</p>
25.	<p>CSSD FURNITURE Table, Chair, Stool, Box etc.</p>	<p>Lum Sum</p>	<p>150000/-</p>	<p>150000=00</p>
26.	<p>COMPUTER & MISC. ITEMS</p>	<p>Lum Sum</p>	<p>100000/-</p>	<p>100000=00</p>
27.	<p>BATCH MARKER</p>	<p>1 Nos.</p>	<p>40000/-</p>	<p>40000=00</p>
28.	<p>MAGNIFYING GLASS</p>	<p>1 Nos.</p>	<p>1950/-</p>	<p>1950=00</p>

Sampat Kumar

B.R.P.

(आर० एम० त्रिपाठी)
सहा० अभि० (वि०)

TOTAL PROJECT COST RS. 18625050=00

S.A.P.
(के० एल० शिवहरे)
अभि० अभि० (वि०)

Total Above Material to be supplied


K. G. Patil

ELECTRICAL LOAD DETAIL


3. List of Plant and Machinery of CSSD Project:			
a. Double Door Autoclave	20-22 STU.		
b. High Speed Sterilizer	2 STU	2 Nos.	72 KW
c. Table Top Sterilizer	18 Ltr.	1 No.	12 KW
d. ETO Sterilizer	540 Ltr.	1 No.	2.5 KW
e. Washer Disinfector	240 Ltr.	1 No.	08 KW
f. Ultrasonic Cleaner	30 Ltr.	1 No.	09 KW
g. Endoscope Washer		1.No.	04 KW
h. Sealing Machine		1 No.	05 KW
i. Batch Marker		1 No.	01 KW
j. Pass Box		1 No.	0.1 KW
k. Drying Cabinet		1 No.	01 KW
l. Central AC Plant (Client Scope)		1 No.	06 KW
m. Clean Air Module		1 No.	15 KW
n. RO Plant		1 No.	01 KW
o. Wash Station with air gun		1 No.	04 KW
p. Air Compressor		1 No.	01 KW
q. Gauze Cutter		1 No.	03 KW
r. S.S. Packing and control table		1 No.	0.5 KW
s. S.S. Transfer Trolley		2 Nos.	NA
t. S.S. Free Standing Rack		4 Nos	NA
u. Sterilizing Basket		6 Nos.	NA
v. Trolley Wash Unit		24 Nos.	NA
w. Linen Inspection and Packing Table		1 No.	NA
x. Multi Purpose Trolley		1 No.	NA
y. Computer, printer with software		4 No.	NA
z. Magnifying Lance		1 No.	NA
aa. Gloves Process Machine		1 No.	NA
		1 Set	15 kw

Total Connecting Load 160 KW

Sampat Kumar


 (अधीन अधीन विभागी)
 अधीन अधीन (वि०)

*Devices will be exact as per
 ANDQ Present*


 (अधीन अधीन विभागी)
 अधीन अधीन (वि०)