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Health Procurement Manual

Pakistan's Districts That Work Project

HEALTH PROCUREMENT MANUAL

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Session # 1

THE PROCUREMENT OF GOODS For Health Sector INTRODUCTION & OBJECTIVES

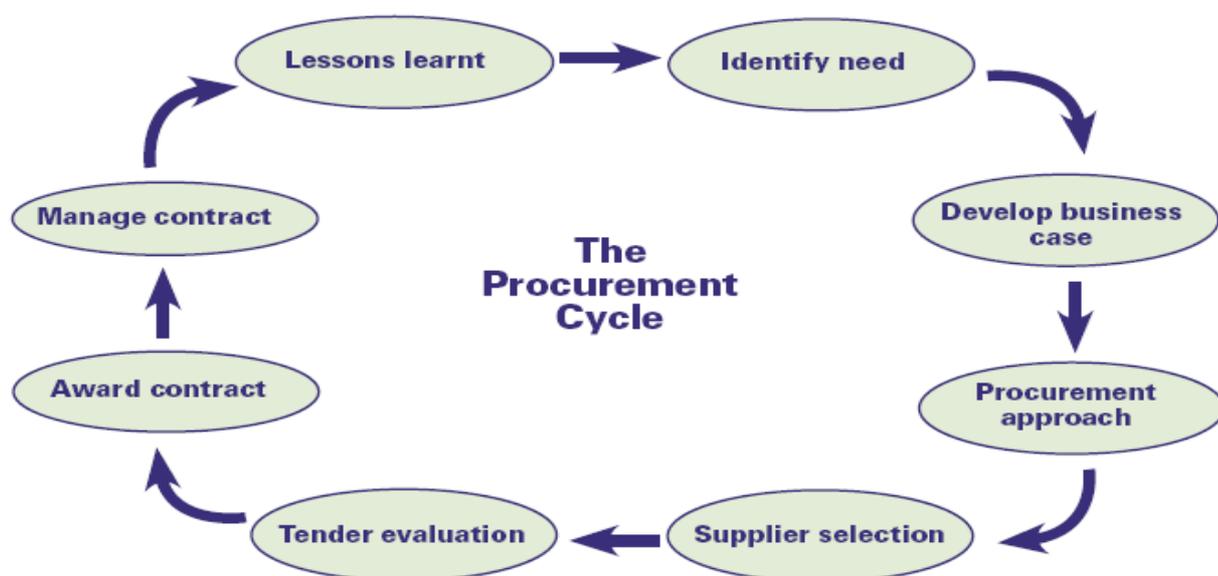
The provision of health services involves putting together a considerable amount of resources to deliver a large variety of services. Effective district health services depend, to a large extent, on proper management of available health resources. District health management teams need to be capable of managing the health resources allocated and available in a district. Such resources include human resources, physical infrastructure, finance, equipment, transport, drugs, supplies, time, space as well as knowledge, documentation and information. Most of these resources are expensive and in short supply. Health managers have a responsibility to effectively use these scarce resources and their efficiency depends on how well these resources are managed to procure various items for service delivery.

a. Definition of Procurement

“Procurement” is the process of acquiring supplies, works and services, covering both acquisitions from third parties and from in-house providers. The process spans the whole cycle from identification of needs, through to the end of a services contract or the end of the useful life of an asset. It involves options appraisal and the critical “make or buy” decision, which may result in the provision of services in-house in appropriate circumstances.

In the context of a procurement process, obtaining “best value for money” means choosing the bid that offers “the optimum combination of whole life costs and benefits to meet the end user requirement”. This is not necessarily the lowest initial price option and requires assessing the ongoing

revenue/resource costs as well as initial capital investment. Procurement is also about making choices.



b. Procurement Objectives

The procurement objective is the result you want to obtain through the procurement. The objective could be a service outcome, new operational Health equipment, or a new public service facility.

The procurement objective should include value for money and governance considerations to ensure that public money is being spent efficiently.

➤ The main objectives of public buying are :-

- a) To procure the stores and services of requisite quality and in required quantity necessary for performance of duties by the government departments.
- b) To procure stores as per the required delivery schedule so as to minimize the inventory and cost thereof
- c) To procure the stores on a competitive basis at the most economical manner ensuring value for money.

d) To ensure transparency, and equitable approach in the procurement process.

c. General Principles of Public Procurement.

The general principles of procurement may include but not limited to the following:

- a) The specifications in terms of quality, type etc., as also quantity of goods to be procured, should be clearly spelt out keeping in view the specific needs of the procuring organizations. The specifications so worked out should meet the basic needs of the organization without including superfluous and non-essential features, which may result in unwarranted expenditure.
- b) Care should also be taken to avoid purchasing quantities in excess of requirement to avoid inventory carrying costs.
- c) Offers should be invited following a fair, transparent and reasonable procedure.
- d) The procuring authority should be satisfied that the selected offer adequately meets the requirement in all respects.
- e) The procuring authority should satisfy itself that the price of the selected offer is reasonable and consistent with the quality required.
- f) At each stage of procurement the concerned procuring authority must place on record, in precise terms, the considerations which weighed with it while taking the procurement decision.

d. An Overview of required Goods in Health Sector for service delivery

The general requirements in health sector may include but not limited to the following

- a. Medicines as per PVMS list.

- b. Medical Equipment as per approved specifications in PVMS list.
- c. Hospital Furniture.
- d. Other Stores like X-Ray films, Laboratory Chemicals.
- e. Bed Linen
- f. Office Equipment
- g. Office Furniture
- h. General Stores items like detergents, Dusters, Floor wipers etc.

It is to be noted that Medicines & Equipment are to be procured as per PVMS list notified by the Health department and different types of medicines are recommended for different type of health facilities like Basic Health Units (BHUs), Rural Health Centers (RHCs), Tehsil Head Quarter Hospitals (THQ) and District Head Quarter Hospital (DHQ). Office equipment and other items in case the rate contract is already done by provincial government then not to be tendered at district government level.

Note: *PVMS lists of medicines & equipment required at District Level have been appended at the end of this manual.*

SESSION # 2

DUTIES & RESPONSIBILITIES OF THE PURCHASING OFFICERS

In Punjab Various Purchase Officers have been defined in the Punjab Purchase manual with reference to the various functions being performed by them in accordance with relevant provisions but procurement functions remains mainly the same all over the different provinces.

I. **Chief Purchase Officer:** The Administrative Secretaries act as the Chief Purchase Officers at the Provincial Level while Executive District Officers (Health) at District Level for the purchase of stores. The duties of the Chief Purchase Officer in respect of procurement are as follows:

- a) To act as the purchasing and inspecting agency on the purchase of various stores
- b) To discourage imports of items which are available within the country.
- c) To arrange laboratory tests, analysis and other technical vetting required to be carried out in connection with procurement of stores.
- d) To ensure that the specifications of stores that are standardized is carried out according to the provisions of the Purchase Manual.
- e) To appoint the Senior Purchase Officer and Senior Technical Officer for his department.

Besides this The Chief Purchase Officer have discretionary powers to associate a Technical Expert having requisite knowledge with the Senior Technical Officer in case of procurement of a sophisticated nature.

II. **Senior Purchase Officer:** The duties of the Senior Purchase Officer include:

- a. To keep an updated and complete record of all indents received.
- b. To compile items of similar nature demanded through various indents of similar nature to enable bulk purchases.
- c. To examine indents for completeness and accuracy.
- d. To update the Indent Progress Sheet
- e. To maintain the Indent Register and monitor the progress of indents
- f. The Senior Purchase Officer appoints Purchase Officers for his department according to the requirements.

III. **Purchase Officer:** A purchase officer may perform any procurement function like opening of tender box, preparation of comparative statement and any of the above functions of Senior Purchase Officer to assist him.

SESSION # 3

a. Duties and Responsibilities of the Indenting Officers.

The Indenting Officer raises the indents for items for which funds have been duly sanctioned by the competent authority to meet the cost, freight and other incidental expenses. ***In case of supply of medicines/drugs to the medical store depot indents can be placed four to five months before the commencement of the financial year up to 40% of budget allocation of the financial year in which is indent is being raise.*** However, the delivery against such indents cannot be made before the first day of the financial year for which funds have been utilized.

The Indenting Officer is to ensure that:

- The nomenclature of the stores is complete and is in harmony with the technical description shown in the drawings and specifications.
- The specifications and drawings covering the stores are clearly stated.
- In case the specification drawings and other particulars covering the supply of store are not available, the use of stores is mentioned.
- The last purchase rate and realist cost estimates are given.

- In case similar store is required the reference is made to the previous supply order.
- Alternatives are mentioned in case of proprietary item. Separate indents are prepared for different categories of stores. Specific dates by which stores are required are mentioned.

The prescribed Indent Form for the requisition of the store items is prescribed but following is the minimum information requirement in the Indent Form:

- a) Indent no and date
- b) Indenter's Designation and address/Telephone no Account Head to be debited with cost
- c) Scheme Reference of ADP
- d) Consignee's Designation and address
- e) Detailed description, Quantity of stores demanded Estimated cost of the stores demanded.
- f) Date by which the stores are required
- g) The description of the stores demanded should be as per the standard specifications available with the department

b. Model Indent Form

1. Indentor's Indent No _____ date _____
2. Indentor's designation and address _____
3. Indentor's telegraphic address _____ Telephone No _____
4. Head of account to which cost is debitable _____

- 5.. Date by which stores are required _____
6. Consignee's designation and address _____
7. Special instructions, if any _____
8. Particulars of Stores demanded.

m N	Detailed Description of Stores	Specification No./Drawing No. and other Particulars to guide supply	Accounting Unit	Total quantity required	ESTIMATED COST		Remarks
					Rate per unit	Total Cost	
1.	2.	3.	4.	5.	6.	7.	8.
2							
3							

To be based on prevailing market rates or last purchase rate if market rates are not readily available

Signature of Indenting Officer _____

c. EXERCISE: Instructions: Please fill in the indent form for Only 03 items required for a BHU 01 of which should be a medicine while two of which should be equipment.

FORMULARY FOR BASIC HEALTH UNITS PUNJAB	
PV. No.	Nomenclature
Anesthetic & Adjuvant (General)	
00015-A	Inj. Lingocaine. 2% 2ml
00015-B	Inj. Lingocaine Sol. 2% (Amp. of 10ml)
00010	Ethyl Chloride Spray (Pack of 100ml)
Analgesics & Anti-Inflammatory Drugs	
00023	Tab. Aspirin Soluble 300mg.
00033	Susp. Ibuprofen 100mg/5ml.
00034	
00039	Susp. Paracetamol 120mg / 5ml (Bottle of 60 ml)
00040	Tab. Paracetamol 500mg
Antacids & Allied Drugs	
00045	Susp. Alumina Magnesia Bottle of 450ml.
00049	Tab. Mag. Tricilate 500mg + Aluminium Hydroxide 250mg.
Anthelmintic Drugs	
00058	Syp. Pyrental Pamoate 250mg/5ml.
00059	Tab. Pyrental Pamoate 250mg.
00060-B	Tab. Mebendazole 100mg.
00061-B	Syp. Mebendazole 100mg/5ml
Anti- Diabetic Drugs	
00063	Tab. Glibenclamide 5mg. Pack of 60
00067	Tab Metformin HCL 500mg.
Anti-Diarrhoeal Drugs	
00069	Susp. Furazolidine 0.5% w/v Bottle of 120 ml
00070	Tab Furazolidine 100mg.
00071	Susp Kaolin Paectin Bottle. of 60 /90 ml
00072	O.R.S
Anti-Emetic Drugs	
00074	Syp. Cyclizine 12.5mg /5ml, Bott. Of 50ml.

LIST OF EQUIPMENT AND FURNITURE

SR. No.	STANDARD LIST OF EQUIPMENT AND FURNITURE FOR BHU	STRD. QTY
36	Rectangular Trays S.S. different sizes	4
37	Bowls S.S. with cover medium size	3
38	-do- Small size	4
39	Forceps Plain 6"	1
40	Forceps Toothed 6"	1
41	Artery Forceps Mosquito curved	4
42	Artery Forceps Mosquito Straight	4
43	Needle Holder Eye	1
44	Examination Trolley (Steel)	1
45	Revolving Stools (S.S)	2
46	Viewing Boxes	1
47	Kidney Trays	2
48	Tongue depressors	6
49	Nasal Specula	6
50	Aural Specula	6
51	Nasal Dressing Forceps	6
52	Aural Dressing Forceps	2
53	Syringes Record Type, with Leur Lock 2cc	4
54	Syringes Record Type with Leur 1 Loc 5cc	4
55	Syringes Record Type with Leur Lock 10cc	4
56	Needles for syringes all sizes	12
57	"Paragon" detachable scalpel blades. Size 10.11	4pkt
58	No.3.B.P. Type handles to fit blades sizes	2
59	Forceps Extraction	
	i) Upper Anterior Martin Type	4
	ii) Upper Bicuspid	2
	iii) Upper Molars	4
	iv) Upper roots reed	4
	v) Upper Tidoems	2
60	Test tube racks	2
61	Test tube Holder	1
62	Slides Microscopic Gross	½
63	Test tube 6" x ¾"	1
64	Test Tubes 4" x ½"	1
65	Chamber Nebular Cover slips for Ozs	½
66	E.S.R. Tubes 6" x ¼"	12
67	E.S.R. Stand for 10 Tubes	1
68	Hemoglobinometer Sahlis Tubes for	1
69	" " Pipettes for	1
70	Microscope Binocular	1
71	Microscope Lamp for	1
72	Syringes all glass 10 ml	1
73	" " 5 ml	8

SESSION #4

Duties & Responsibilities of Senior Technical Officer & Technical Scrutiny Committee (TSC).

a. Duties of Senior Technical Officer & Technical Scrutiny Committee (TSC)
The TSC or Senior Technical Officer is in particular responsible for the following:

- a. Vetting of specifications given in the indent.
- b. Technical scrutiny of offers. (After tender opening)
- c. Inspection of stores when required. (Before & after delivery)

TSC or Senior Technical Officer should particularly note that Specifications are normally standardized by a Departmental Standardization Committee (DSC) at provincial government level. It is ensured that specifications so standardized are so generalized to ensure competition.

Purchase of stores in respect of which specifications have not been given shall only be made after getting the specifications approved by the competent standardization committee. In no case procurement shall be made without getting the specifications of stores vetted/approved by the competent committee.

If required a technical expert having the requisite knowledge in the matter, to be associated with the TSC for scrutiny of Indents and offers in case where stores under procurement are of sophisticated nature or where expert advice is required in regard to certain technical aspects of the matter. (If needed the technical advice may be obtained by co-opting an expert of another department).

b. **Health Specific Technical Issues:** Special care should be taken when procuring **medicines** provincial government has prescribed a PVMS list and formulary with reference to each medical facility like Basic Health Unit (BHU), Rural Health Center (RHC), Tehsil Head Quarter Hospital (THQ) or District Head Quarter Hospital (DHQ) so indents should be checked that no indenting officer should have violated the prescribed formulary and PVMS lists having detailed specifications with generic names of medicines.

Similar is the case with equipment and furniture which should also be as per specifications in the PVMS list and formulary prescribed /duly notified by the provincial Health Department.

Special care should be taken in the case of hospital equipment, the purchase of which should be highly standardized and in the case of instruments equipment requiring after sale service and provision of spare parts. Purchases should be made from pre-qualified firms in the light of the recommendations made by the competent standardization committee.

c. **Exercise:** Indent filled in the exercise at **Session 3** to be technically scrutinized.

Note: The detail role of TSC/STO will become more clear during the process of tender Evaluation.

Session # 5

a&b. Purchases at District Level

The regulation of purchases at District level varies from province to province .In Sindh purchase committee is either headed by DCO or he is an indenting officer subject to restrictions if any imposed by the provincial government from time to time.

Whereas in Punjab the purchases at district level are regulated through the Chapter-XIII of the Punjab Purchase Manual. The EDO acts as the Chief Purchase Officer for his department. He has authority to make purchases up to Rs 600,000. All the purchases above Rs 600,000 are approved by the DCO on the recommendation of Special Purchase Committee. The Special Purchase Committee has the following constitution:

- i) EDO of the concerned department
- ii) EDO (Finance & Planning) or his representative not below the rank of District Officer
- iii) EDO (Community Development & Social Welfare)
- iv) District Officer (Coordination)

Note: There is no limit on the powers of the Special Purchase Committee/DCO.

SESSION #6

I. Mode of Purchase

The Purchase manuals and different procurement rules presently in vogue prescribes detailed guidelines and principles that govern the different modes of purchase.

- a. Advertised tender
- b. Single tender enquiry
- c. Limited Tender Enquiry
- d. Selected Tender Enquiry
- e. Emergency Purchase
- f. Local Purchase
- g. Repeat Order
- h. Rate Contract
- i. Running Contract

a. Advertised tender: Advertisements are published in the press for indents with the value exceeding a certain limit.

b. Single tender enquiry: Single tender enquiry will be carried out in the following circumstances:

- i. The product is manufactured by a single manufacturer
- ii. The item is of a proprietary nature and the relevant Administrative Secretary has issued a proprietary certificate to this effect.
- iii. A single Tender Enquiry may not be issued if a number of agents quote for the same product.

- c. Limited Tender Enquiry:** A notice is sent to the registered firms /suppliers in case of a Limited Tender Enquiry. Indents up to a **certain value** may be covered through a limited tender enquiry.
- d. Selected Tender Enquiry:** A selected tender enquiry may be issued by in exception cases with the approval of Senior Purchase Officer/competent purchase officer to firms / manufacturers for specific stores of specific nature where only a few manufacturers are available.
- e. Emergency Purchase:** Emergency purchase is affected by a Purchase Committee on the approval of Administrative Secretary
- f. Local Purchase:** Stores up to a certain value can be purchased locally in accordance with relevant financial delegation of power rules
- g. Repeat Order:** Repeat Order may be placed on the terms of the previous contract to the same supplier if he has executed the previous contract on a satisfactory basis within the original delivery period subject to the following conditions:
- i. Time is not available for re-tendering the stores.
 - ii. The contract is thought to be advantageous.
 - iii. The value of the repeat order does not exceed a **certain fixed %** of the value of the contract or Rs -----, whichever is less in case of an Advertised Tender Enquiry or in case of a Limited Tender Enquiry, -----% of the value of the contract or Rs---whichever is less.

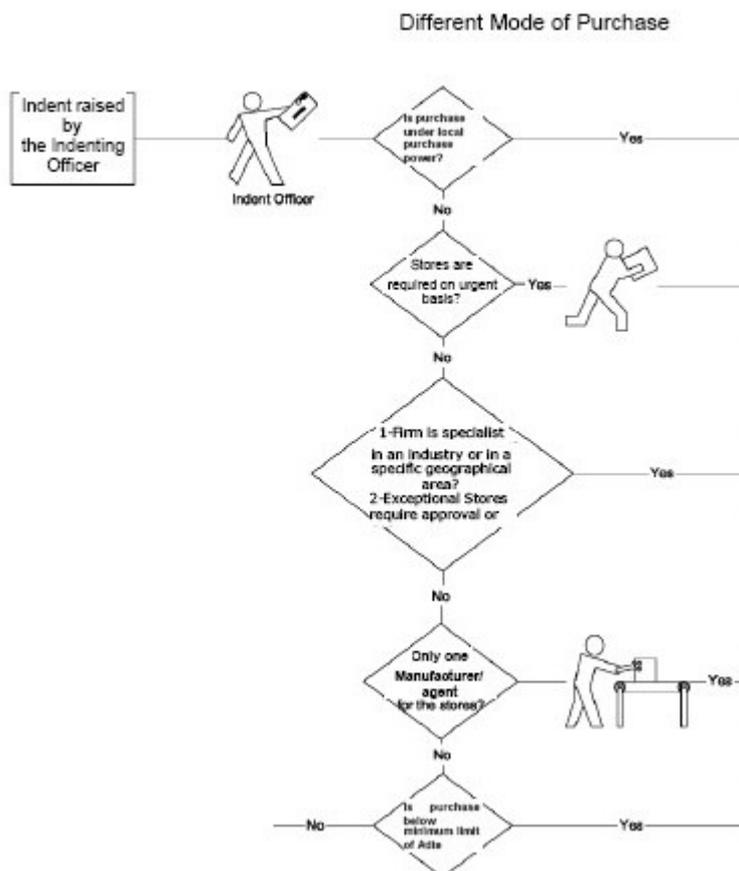
iv. The approval of the next higher competent authority is obtained in each case.

v. Extension in delivery period is not allowed in repeat orders

h. Rate Contract: A rate contract is a contract for the supply of stores at specified rates during the period covered by the contract. No quantities are mentioned in the Rate Contract and the contractor is bound to accept any order, which may be placed upon him at the rates specified within the contract period. As a reciprocal consideration, the Principal Purchase Officer undertakes to order from the contractor all stores under the contract which are required to be purchased subject to certain reservations. The rate contract may be concluded with one or more contractors.

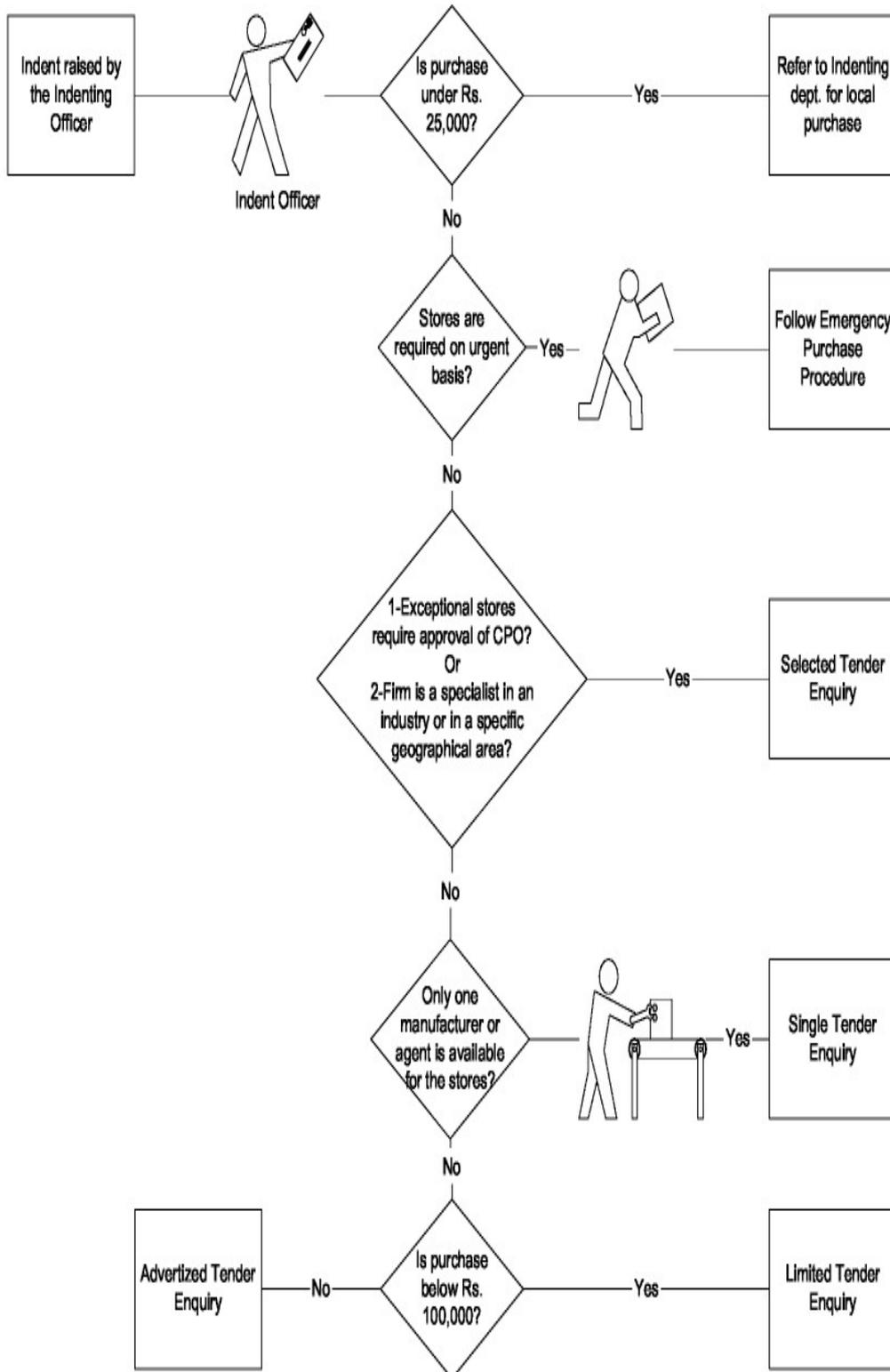
i. Running Contract: A running contract is a contract of supply of approximate quantity of stores at a specified price during a certain period. The approximate requirement of a number of indenters for the period in question are combined by the concerned competent Purchase Officer and the contract provides that any of these indenters may demand his requirements at any time or at specified period during the currency of the contract, either direct from the firm or by indent on the purchase agency

II. Exercise: PI found the most suitable mode of purchase with help of business flow chart provided.



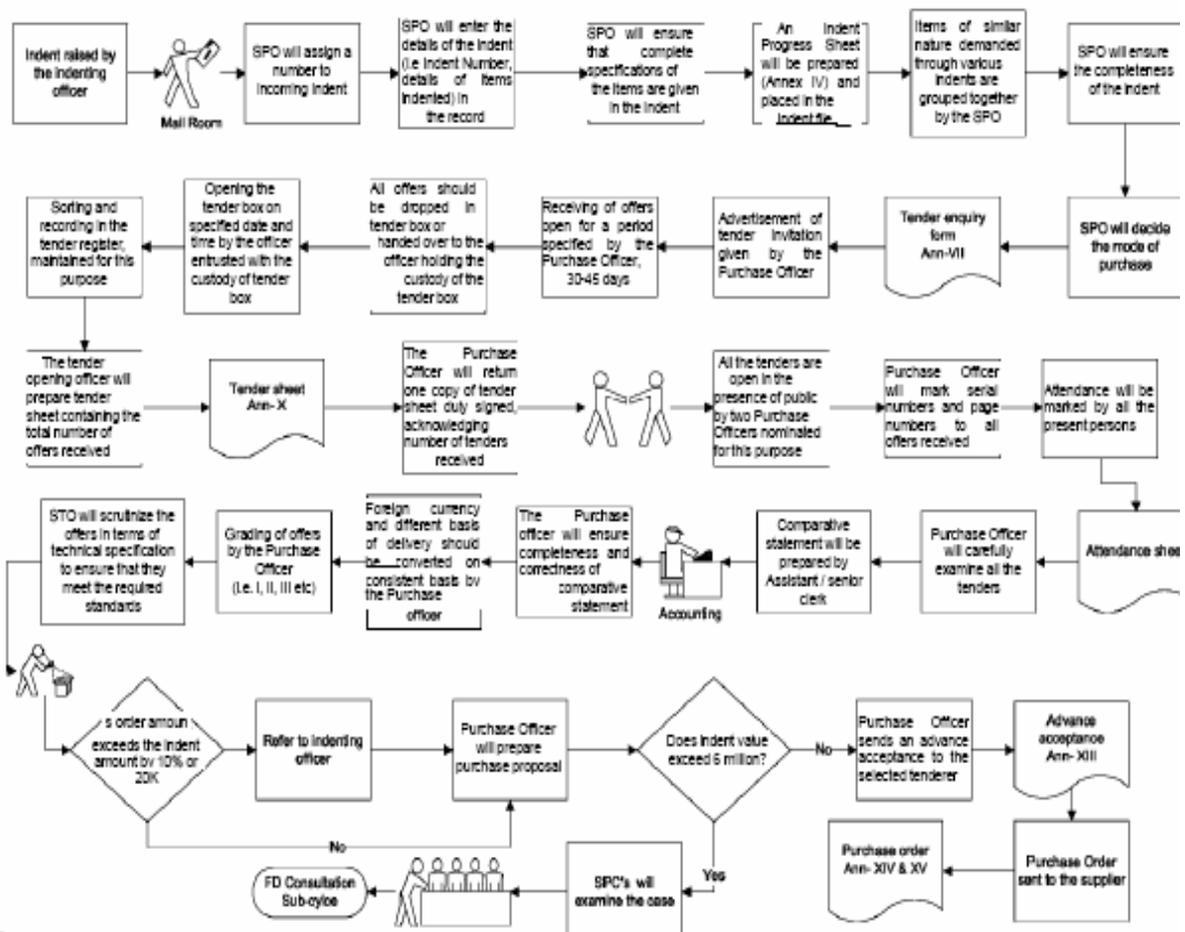
Solution:

Mode of Purchase

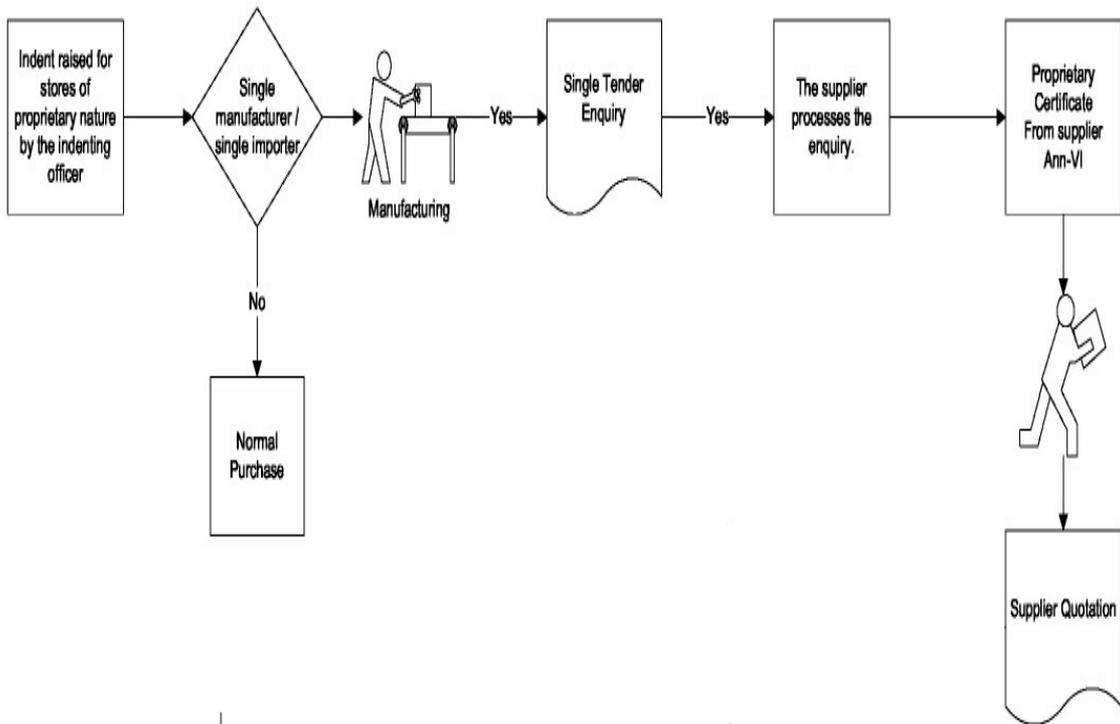


III. Business Flow Charts Of Different Modes Of Purchases

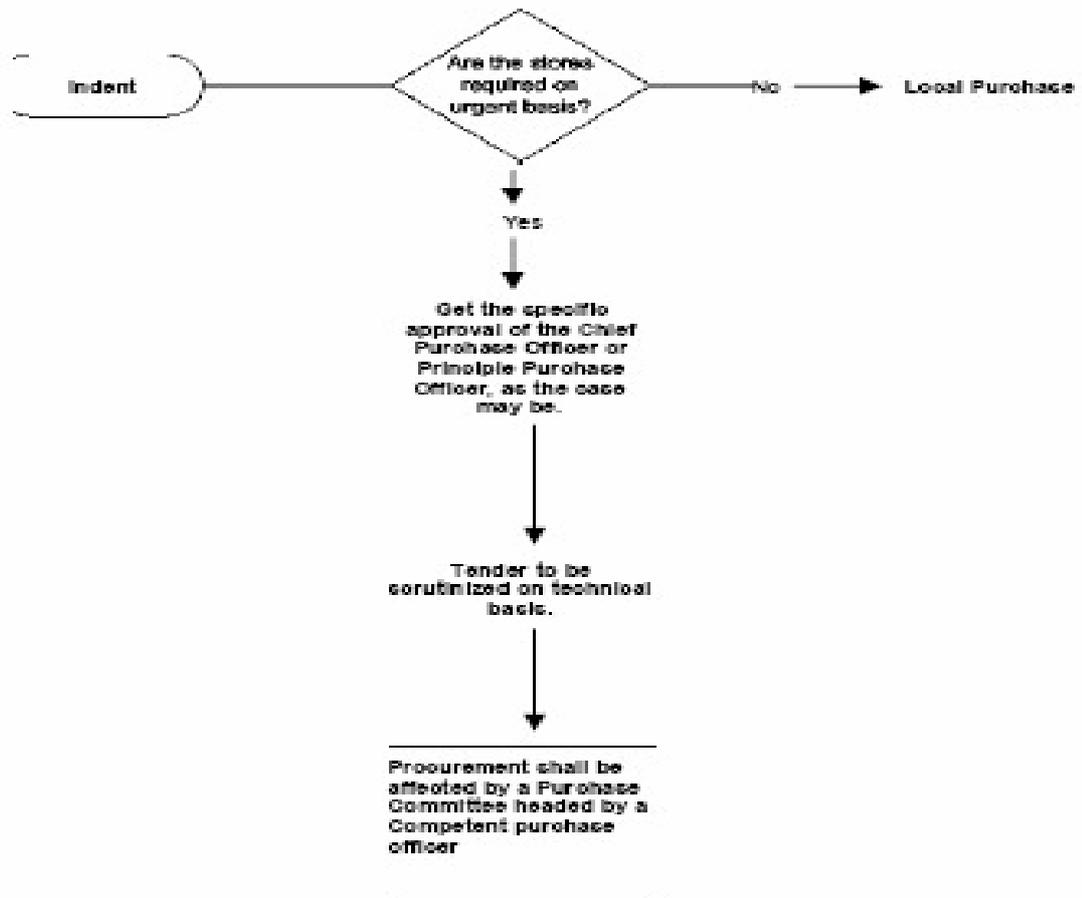
Advertised Tender Enquiry



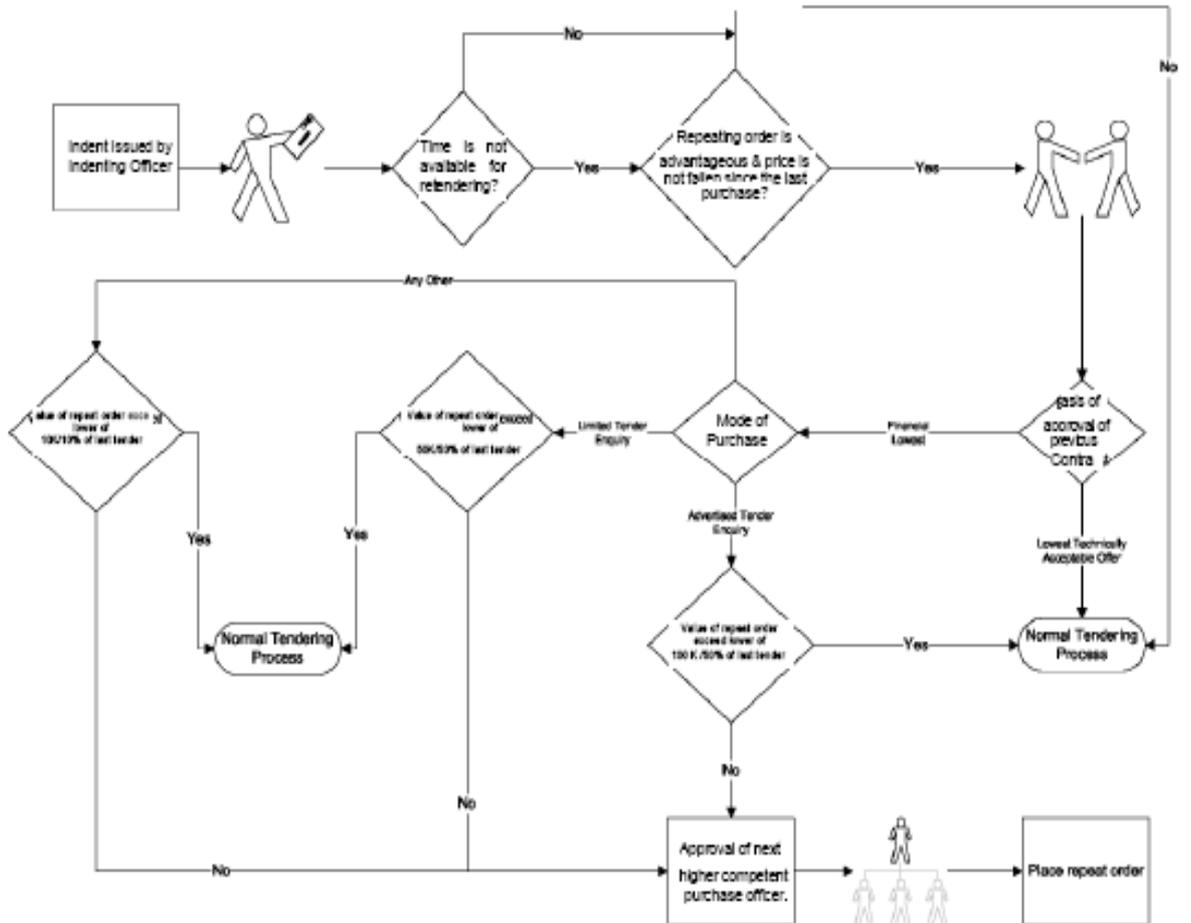
Single Tender Enquiry



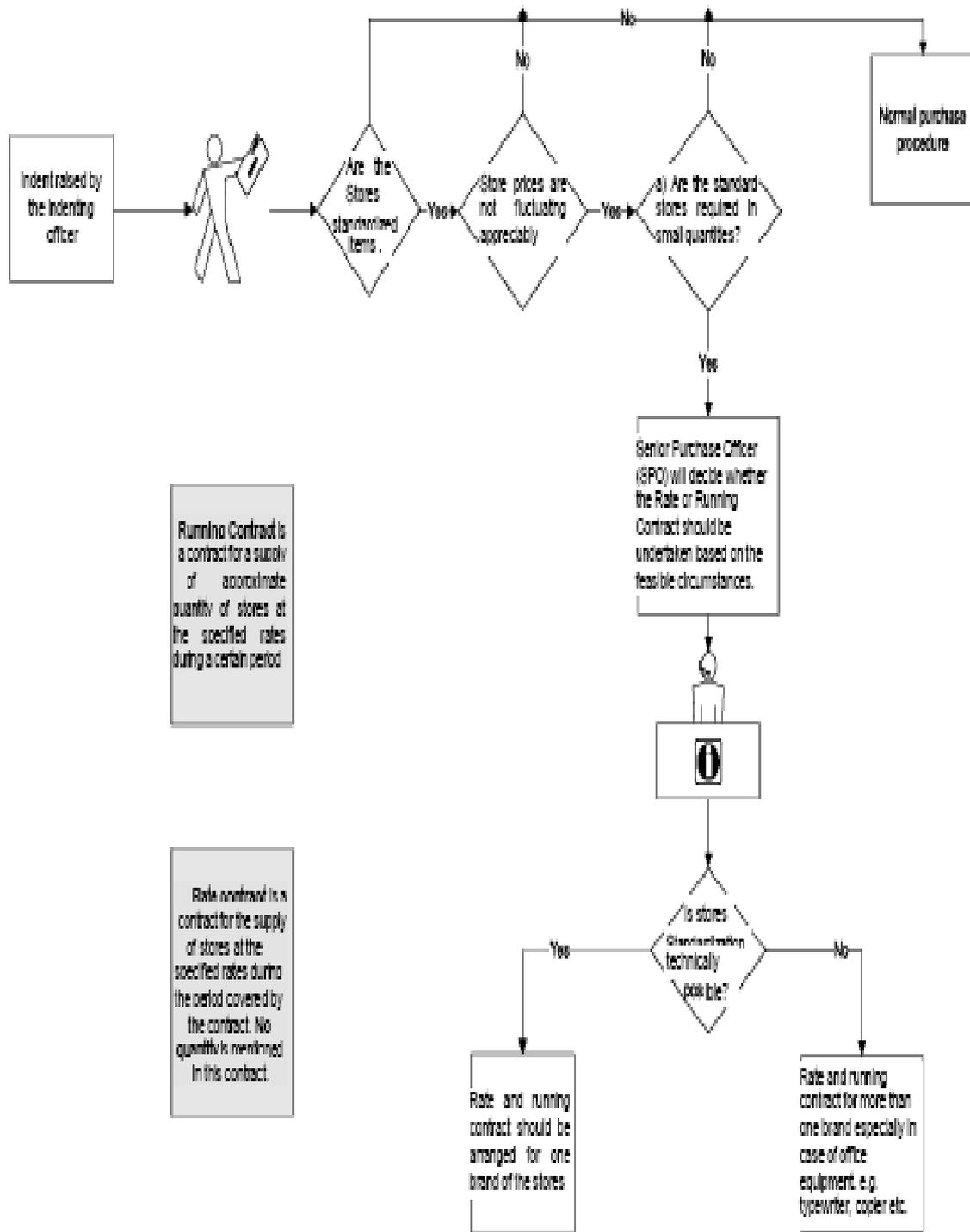
Emergency Purchase



Repeat Order



Rate and Running Contract



Running Contract is a contract for a supply of approximate quantity of stores at the specified rates during a certain period.

Rate contract is a contract for the supply of stores at the specified rates during the period covered by the contract. No quantity is mentioned in this contract.

Rate and running contract should be arranged for one brand of the stores

Rate and running contract for more than one brand especially in case of office equipment e.g. typewriter, copier etc.

SESSION # 7

Health Specific Tendering

On the basis of indents vetted by the Senior Technical Officer/Technical Scrutiny Committee the Purchase officer or Senior Purchase Officer prepares and issues an **"Invitation to Tender"** and advertisement is published in the press through the Director General Public Relations in the prescribed number of newspapers and in Punjab number of required newspapers varies from 02 to 08. Simultaneously, with the publication of the advertisement, a copy of the tender notice is displayed on the Notice Board or website of the relevant Purchase Agency.

An advertisement for a tender notice which may include but not limited to the following basic information:

- I. Nature and quantity of the store
- II. Specifications as per PVMS List of equipment/medicines.**
- III. Total Value of earnest money
- IV. required Terms of Delivery
- V. Price of Tender form
- VI. Date, Time and venue of opening the tender form.
- VII. Address where from the tender form will be available
- VIII. Requirement of pre qualified & registered /manufacturer firms.**
- IX. Sales Tax/Income tax Registration
- X. Expected period & mode of delivery
- XI. Date of validity of offers/quotations.
- XII. Prices should include all taxes wherever applicable.
- XIII. Guarantee against quoting of exorbitant rates
- XIV. Affidavit that firm is not black listed.

- XV. Procurement of medicines from approved registered and pre-qualified firms/manufacturers.**
- XVI. Requirement of distribution letter of pre-qualified firms for tendering firms having Drug license No. 10 & 11**
- XVII. Firm to replace substandard medicines if sample not passed by Drug Testing Lab and substandard medicines will not to be demanded back by the firm.**
- XVIII. Payment will be subject to receipt of complete consignment and of satisfactory DTL report.**
- XIX. The Complete supply in case of medicines is to be made besides green color label & packing with visible printing of government logo. Besides this the remarks "Government Property not for Sale" should also be printed.**
- XX. The conditions of relevant rules / bylaws / manual / Govt instructions are to apply.
- XXI. Any thing else?

b. EXERCISE: Participants are to draft a tender notice for procurement of health equipment & medicines as per indent technically scrutinized in Session #4.

c. A model Tender notice for procurement of Health Equipment/Medicines/Furniture.

OFFICE OF THE EXECUTIVE DISTRICT OFFICER

No. EDOH/Store (Procurement)/

Dated: dd-mm-yyyy

TENDER FOR EQUIPMENT / INSTRUMENTS/MEDICINES AND FURNITURE

Time of sale of tender from advertisement	Time of opening of tender
To dd-mm-yyyy (till 12 noon)	dd-mm-yyyy 2.00 PM

TERMS & CONDITIONS.

Tenders are required to comply with all the clauses mentioned in terms and condition of the tender and purchase manual &----- and any deviation find will forbid for competing in the tender.

The tender form can be had from this office against the cost of Tender, which has been mentioned in the advertisement.

1. One set of Blank Tender form is being supplied, which may be returned duly filled to this office; the number of pages may be mentioned on the covering envelop.
2. The bidder has to submit authorization letter of the firm, he has to represent.
3. The following documents are required to be attached with the tender from; otherwise the same will not be entertained.
 - x Original purchase receipt of tender.
 - x Whole Sale License / sole distribution ship certificate or proprietary certificate.
 - x Authorization letter of the manufactures / proprietor.
 - x National income Tax Certificate.
 - x Sale Tax Registration Certificate.
 - x Certificate of Professional Tax from Excise & Taxation Department.

- x Bank Reputation Certificate.
- x Affidavit to the effect that the tendered, his partner / representative agent or any of his relative in his concern has not been black listed / person(s) from Health Department ----- or any other District or any other province.
- x Call deposit worth of Rs, ----- (Refundable) should be attached with tender form on behalf of the registered competing firm.
Call deposit worth of ----- (Refundable) should be attached in case of unregistered form. The same will be released after completion of stores and NOC from the concerned sections. All documents, literature and catalogue will be supplied in envelope by tenderer.
- x One sample of each item will be provided with tender bearing Signature & Stamp of supplier.

- x Price list if the manufacturer with stamp and signature on firms letter head.
- x Price list of spare parts and accessories with stamp and signature on firm's letterhead.
- x CNIC No. of proprietor / sole distributor or representative.
- x CCI & E. registration No. (Photocopy).
- x Guarantee letter that the supplied Instruments / Equipments is original, brand new & latest model, none of the part is replaced, old or refurbished.
- x Valid registration / renewal certificate from -----.
- x Circuit diagram of the product along with complete catalogue / brochure

- 4. Tender should be properly sealed & the envelope must contain tender inquiry No. on top. The Name of supplier should be affixed on the face of envelop on the left side.
- 5. Tender must filled in with Blue or Black ink in the columns provided /or on separate letter head of the firm duly signed.
- 6. The tender must be free from erasing, cutting and over writing. In case of erasing & cutting & over writing, authorized person must initial it spaces left empty on tender forms should be crossed.
- 7. Conditional tender will be ignored & will not be considered/ accepted.
- 8. The bidders should quote their final price both in figure & words.
- 9. The supplier shall furnish the certificate from the manufacture's on whose behalf they are participating to the effect that in case of material supplied declared sub-standard the participating firm as well as the manufacturer are equally responsible for legal consequence under purchase rules envisaging debarring, purchase of risk & cost and Black-listing.
- 10. The tender rates should be inclusive of all taxes etc payable to federal, Provincial & District Government or local bodies & no claim on this account shall be entertained.
- 11. No manufacturer shall authorize their distributor/ agent/ any firm or

person to quote the same item, which the manufacturer is quoting itself in any tender. Failing that offers of both the manufacturer as well as other bidder shall be ignored.

12. Shelf life of item supplied should be 90%.
13. Medicines will be as per PVMS list.
14. Tender shall purchase separate tender documents & furnish purchase receipts for each alternate offer in case they want to submit alternate offer for any item. All the bids with alternate offer with out separate purchase receipt (Original) are suppose to be rejected.
15. The purchaser dose not pledge himself to accept lowest offer without authorization of Manufacturer Company & reserve the right of accepting the other offer with authorization of Manufacturer Company.
16. The bidder shall confirm the refund of cost difference if the same equipment instrument & furniture is / was supplied at lower rates to any other Govt: / Executive District Officer Health then payment will be made according to the learned lowest rates.
17. The purchase reserves the right to increase/ decrease or delete the quantities of equipment instrument & furniture or medicines etc at the time of award of contract.
18. The purchaser reserve the right to accept or reject any bid & to annul the bidding process and reject all bids at any time prior to award of contract.
19. The purchaser will notify the successful bidder in writing, delivery by hand or by registered letter, by courier about the relevant approved lowest rates and items.
20. Subject to the fulfillment of all codal formalities, the purchaser will award the contract to the successful bidder. Both the parties' i-e the purchase and the supplier will sign the contract agreement on the stamp paper with stamps duties as per prevailing Govt. Rules, the expenditure involved on the said contract agreement will be borne by the supplier.
21. The approved tenderer has to provide guarantee delivery period by which the supply will complete positively.
22. The inspection committee reserves the right any or all items of equipment and furniture supplied against order for testing by any authority and the purchaser's discretion, before or after the acceptance of supply.
23. All the supply will be completed with in the stipulated delivery period the Executive District Officer Health reserve the right to forfeit the security deposit and purchase the Equipment / furniture from any other sources on risk and expense of supplier without any notice excess amount if any of account of repurchase will be recovered from supplier in addition to other penalties if son imposed.
24. The Equipment and furniture found damaged and having on warranty shall be replaced by supplier free of cost.

25. Substandard equipment and furniture, if supplied will not be returned and supplier will be required to supply the same of order specification and of standard quality in addition to the same without any additional expenses on the Government
26. The bill of payment will be prepared on completion of supply and release of inspection note by the inspection committee.
27. The Supplier will have to submit bill / invoice in triplicate.
28. The bidder has to quote rates along with manufactures as given in the tender form columns.
29. The income tax will be deduced at the rate of ----- % or as latest prescribed by the Government on the purchase or changed in the rates announced by Government.
30. The Chairman will have the right to reject the same tender or part of there of. The decision of the Chairman will be final and no appeal shall be entertained against it.
31. In case of engagement of Chairman Purchase committee in other official duties or Holiday announced by the Government the opening date of tender will be set accordingly.
32. Every item will be checked by the any authority on the expenses of supplier.
33. If sub standard equipment and furniture supplied then bidder should be blacklisted.
34. Bidder should be bound to provide invoice along with bill warranty to the purchaser.
 36. The manufacture local or foreign should be well reputed.
 37. The bidder will be bound to ensure provision of spare parts wherever so needed.
 38. The bidder will be bound to provide price list of spare parts which will be valid till the end of the current financial year.
 39. The bidder will be bound to provide drawings / brochures of the rate quoted items.
 40. The bidder will be bound to produce samples of the rate quoted items if so desired by the authority.
 41. The Bidder will be bound to seek pre- polish and post polish inspection in case of furniture.

EXECUTIVE DISTRICT OFFICER HEALTH
DISTRICT Government -----

d. Processes of Issuing, Keeping & Opening of Tenders

The following procedure is normally observed while issuing, keeping & opening of tenders:

- i. The Tender box is kept in a prominent place under the supervision of the concerned Purchase officer.
- ii. The officer entrusted with the custody of the Tender box opens it at the prescribed time and date.
- iii. Tender box to be opened in public by purchase officer/committee.
- iv. Every tender is given a serial number and page numbers.
- v. The officer opening the tender announces any of the conditions of a tender other than those already announced. He also allows the representative of the participating firms to peruse any tender if the request is made in this behalf.
- vi. After the tenders are opened, the tendering parties fill in an attendance sheet.
- vii. All corrections / overwriting found in the tenders are announced to the representative of the participating parties.
- viii. Moreover, overwriting to the rates are required to be re-written and initialed by the officer. This fact should be recorded in the certificate signed by the representatives of the firms present.
- ix. Where necessary, the offers received are forwarded to the Senior Technical Officer by the Purchase officer concerned.
- x. The Purchase Officer has powers to accept tenders other than on the prescribed format upon receipt of tender fee and assurance that the supplier will follow the general conditions of the contract as contained, if it is received in due time.

- xi. No notice is taken of the tenders received later than the scheduled time and date as advertised at the time of tender invitation.

e. Tender Evaluation and formulation of comparative statement.

The tenders submitted by suppliers are not considered in the following circumstances:

- ❖ If the tender is received without earnest money by an unregistered firm or a firm not registered for the particular store.
- ❖ The tender is received after the date and time fixed for its receipt.
- ❖ If the tender is unsigned, ambiguous or conditional.
- ❖ If the tender is given by a firm black listed, suspended or removed from the approved list.
- ❖ If the tender contains validity period shorter than required in the tender enquiry.
- ❖ If the tender does not conform to the general conditions of the enquiry.
- ❖ In case the tender is for stores materially and substantially different from those required in the tender enquiry.

After accepting tender conforming to the aforesaid criteria the draft comparative statement is made as per prescribed in the foregoing paragraphs.

There after the Assistant / Senior clerk prepares the comparative statement after tabulating the offers received on the prescribed form. The Purchase Officer ensures that all the tenders

received are included in the comparative statement. The Comparative Statement shows the estimated value of stores as mentioned by the indenter and the last purchase price with the contracted date. Where the rates offered are quoted in different currencies and on different basis of delivery, the Purchase officer converts the same into a uniform currency and basis of delivery. The offers are graded by Purchase Officer in Roman numbers I, II, III, IV in red ink according to the cost of the relevant store. The Comparative Statement shows whether the tenderer is registered or not. All the offers received are sent to the Senior Technical Officer for the technical scrutiny of the offers received. A lower offer cannot be ignored other than for detailed technical reasons as pointed out by the Senior Technical Officer to the effect that how the stores do not conform to the specifications given in tender enquiry. In order to adhere to the principles of competitive tendering, it is not permissible to pass over the lowest offer and place the order with one of the other tendering firms at the rate quoted by the lowest tenderer by special arrangement. The Purchase Officer, on the basis of the comparative statement and the technical report, prepares a purchase proposal in the form of noting. An advance acceptance letter is sent to the selected bidder and he is required to submit the security deposit.

The Purchase officer will then prepare the Purchase order after the relevant approvals are obtained on the Purchase Proposal. Standard forms of contract are prescribed separately for indigenous and imported purchases in the relevant purchase manuals/laws.

f. Exercise: Participants are to prepare a Comparative Statement with the provided data:

Three firms have participated in the tendering for the Four (04) medicines as per PVMS List provided and quoted as under:

Item #	Price in Rs. ABC Pharma	Price in Rs. XYZ Pharma	Price in Rs. MNP Pharma
1.	3.45	3.47	5.00
2.	2.76	2.43	1.95
3.	18.56	18.33	17.23
4.	55.34	54.00	40.00*
5.	33.56	36.55	35.56

Note: MNP Pharma is not ready to provide item # 4 in Government Packing.
Any medicines may be chosen from PVMS list at next page.

Exercise : Comparative Statement

Sr. #	Sr# of TF	PVMS #	Nomenclature	A/U	ABC Pharma	XYZ Pharma	MNP Pharma	Negotiated Price
1.								
2.								
3.								
4.								

ANTIBIOTICS			
001	00009	Diagn. Amoxicillin 100 mg/5 ml Bottle of 10 ml.	Bottle
002	00009	Supp. Amoxicillin 125 mg/5 ml Bottle of 60 ml.	Bottle
003	00100	Cap. Amoxicillin 250 mg. pack of 1000	Pack
004	00101	Cap. Amoxicillin 500 mg. Pack of 250.	Pack
005	00102	Supp. Amoxicillin 125 mg/5 ml. Bottle of 60 ml.	Bottle
006	00103	Cap. Amoxicillin 250 mg. Pack of 1000.	Pack
007	00104	Cap. Amoxicillin 250 mg. cap.	Pack

Session # 8

Contract Management

a. General Principles of contract management &. Pre-requisite of a model supply/Purchase order

While entering into contracts with the supplier the following important points may be kept in view:

- a. The terms of the contract must be precise, definite and free of any ambiguity.
- b. As far as possible, legal and financial advice should be taken in the drafting of contract before they are finally entered into
- c. The authority empowered to execute the contract is restricted from making any changes in the contract. In case of any departure from the original contract is necessary, concurrence of the Finance Department is required.
- d. The Purchase Officer is not allowed to increase the prices of the contract in the rate and running contract, once it has been placed.
- e. Standard forms of contracts should be adopted wherever possible the terms to be subject to adequate prior scrutiny.
- f. The terms of a contract having been entered into, both parties will observe its terms scrupulously and strictly.

- g. The authority empowered to execute a contract will not have the same freedom in revising the price, place of delivery etc., as it has at the time of entering into a new contract.
- h. Where a departure from the conditions of contract involves financial implication, financial concurrence will be obtained.
- i. No contract involving an uncertain or indefinite liability or any condition of an unusual character should be entered into without the previous consent of the competent financial authority.
- j. Any quotation received with a delivery period which is not specific and does not permit the purchase of stores within the specific period, should ordinarily be rejected.
- k. Similarly incomplete offers or those which do not comply with requirements of the Tender Enquiry should also be, ignored in order to maintain the sanctity of. the Tender Enquiry.
- l. As far as possible, contract should be placed only after tenders have been openly invited.
- m. A contract once concluded, shall not be open to negotiation with any other tending firm, except in the case of default.
- n. **Security deposit** as per prescribed value must be obtained
- o. In case of office/Health equipment **warranty clause** must be added.

b. Health specific clauses where purchase of equipment is involved

In addition to the General Conditions of contract the following special conditions shall apply to this contract for the supply of plant and machinery and manufactured equipment. Special conditions where they differ from the General Conditions shall over-ride the latter.

SPECIAL CONDITIONS

1. Definitions:

(a) "Work" means all the works specified or set forth and required in and by the said specification, drawing and schedule as hereto annexed or to be implied there from or incidental thereto, or to be hereafter specified (being in conformity with the said original specifications, drawing and schedule) and also in such additional instructions and drawing not being in conformity as aforesaid as such from time to time during the progress of the work hereby contracted for, be supplied by the purchaser.

(b) "Test" means such test or tests as are prescribed by the Specifications to be made by the purchaser, or his nominees, after erection at site before the plant is taken over by the purchaser.

2. Performance of Work:

The work shall be performed at the place or places named in the Tender or at such other place or places as may be approved by the purchaser.

3. Specification:

If the Contractor shall have any doubt as to the meaning of any portion of the conditions or of the specifications, drawing or plant he shall before submitting the tender set forth the particulars thereof and submit them to the purchaser in writing in order that any such doubt may be removed.

4. Mistake in Drawing

The contractor shall be responsible for and shall pay for any alteration of the work due to any discrepancies, errors or omissions in the drawing or other particulars supplied by him whether such discrepancies, errors or omissions be not due to inaccurate information or particulars furnished to the contractor on behalf of the purchaser. If any dimension figured upon a drawing or plan differ from these obtained by sealing the drawing or plan be taken as correct. No alternations, amendments, omissions, additions, suspensions, or variations of the work (hereinafter referred to as "Variation") under the contract as shown by the contract drawing or the specification shall be made by the contractor except as directed in writing by the Inspector but the Inspector shall have full power subject to the (Proviso) hereinafter contained from time to time during the execution of the contract, by notice in writing to instruct the contractor to make such variation without prejudice to the contract and the Contractor shall carry out such variation: and be bound by the same conditions, so far as applicable as though the said variation, occurred in the specification. If any suggested variation would, in the opinion of the Contractor, if carried out, prevent him from fulfilling any of his obligations or guarantees under the contract he shall notify the inspection thereof in writing and the Inspector shall decide forthwith whether or not the same shall be carried out and if the Inspector confirms his instructions the Contractor's obligations and guarantee shall be modified to such an extent as may in the opinion of the Inspector be justified. The differences of cost if any occasioned by any such variations, shall be added to or deducted from the contract price as the case may be required. The amount of such difference from if any, shall be ascertained and determined in accordance with the rates specified in the schedules of prices so far as the same may be applicable and

where the rates are not contained in the said schedules or not applicable they shall be settled by the Purchaser and Contractor jointly. But the Purchaser shall not become liable for the payment or any charge in respect of any such variations unless the instructions for the performance of the same shall have been given in writing by the Inspector. In the event of the Inspector requiring any variation such reasonable and proper notice shall be given to the Contractor as will enable him to his arrangements accordingly and in cases where goods or materials are already prepared or any design, drawing or patterns made or work done requires to be altered, a reasonable sum in respect thereof shall be allowed by the purchaser. Provided that no such variations shall, except with the consent in writing of the contractor, be such as will involve an increase or decrease of the total price payable under the contract by more than 10 percent thereof. In any case in which the contractor has received instructions from the Inspector as to carrying out the work which other than or later, will in the opinion of the contractor, involve a claim for additional payment, the contractor shall as soon as reasonably possible after receipt of the instruction aforesaid, advise the inspector to that effect.

6. Obligation to carry out Inspectors'

Instructions:

The contractor shall also satisfy the Inspector that adequate provision has been made (i) to carry out his instructions fully and with promptitude (ii) to ensure that parts required to be inspected before use are not used before inspection and (iii) to prevent rejected part being used in error, where parts rejected by the inspector have been rectified or altered. Such parts shall be segregated for separate inspection and approved before being used in the work.

7. Responsibility for completeness:

Any fittings or accessories which may not be specifically mentioned in the specifications but which are usual or necessary and to be provided by the contractor without extra charge and the plant must be complete in all details. In all cases, where the contract provided for tests on site the purchaser, except where otherwise specified shall provide free of charge such labour, materials, fuels, stores, apparatus and instruments as may be requisite from time to time and as may reasonably be demanded efficiently to carry out such tests of the plant, material or workmanship in accordance with the contract.

In the case of contracts requiring electricity for the completion of the works and for tests on site such electricity when available shall be supplied free to the contractor at the pressure of ordinary supply. Unless otherwise specified, the purchaser will supply free of charge to the contractor unskilled labour (2) timber stores and lifting tackle necessary for the erection of the plant and all consumable stores including fuel and lubricating oils required during erection setting to work and testing the plant. The contractor shall provide (1) skilled labour (2) tools and any other equipment which may be necessary.

8. Supervision

The contractor shall provide adequate supervision at all stages of the work and examine all parts for accuracy before erection is commenced. He shall also provide facilities and space satisfactory to the Inspector for laying out for his inspection any parts to be used in the work at such stage of manufacture as he may direct.

9. Inspection

The Contractor shall inform the Inspector in writing when any portion of the work is ready for inspection, giving him sufficient notice to enable him to inspect the same without retarding the further progress of the work. No portion of the work shall be considered completed in accordance with the terms of the annexed

tender until the inspector shall have certified in writing that it has been inspected, and approved by him. The expenses incurred in sending the Inspector carry out inspection and or tests at the place agreed upon in the contract will be defrayed by the Purchaser, provided that the results are satisfactory and in accordance with the terms of the contract. In the event of the inspection and or tests proving unsatisfactory and resulting in the non-acceptance of the plant/structure or any portion thereof, the cost of such inspection and/ or tests (including the traveling and halting expenses incurred, if any) or such portion thereof as may be determined by that officer, shall be borne by the Contractor.

10. Final Tests:

If required by the Purchaser, all tests necessary to ensure that the plant, machinery or equipment complies with the particulars and guarantees, shall be carried out at the contractor's sub-contractor's premises. Should however, it be necessary for the final tests as to performance and guarantees to be held over until the plant is erected at site, they shall be carried out within one month of the completion of erection. Should the results of these tests not come within the margin specified, the tests shall, if required, be repeated within one month from the date the plant is ready for retests and the contractor shall pay to the purchaser all reasonable expenses to which he may be put by such tests.

11. Rejection of defective plants:

If the completed plant, or any portion thereof, before it is taken to be defective, or fail to fulfill the requirements of the contract, the Inspector shall give the contractor notice setting forth details of such defects or failure and the contractor shall forthwith make the defective plant good, or alter the same to make it comply with the requirements of the contract. Should he fail to do so within a reasonable time, the purchaser may reject and replace at the cost

of the contractor the whole or any portion of the plant as the case may be, which is defective or fails to fulfill the requirements of the contract. Such replacement shall be carried out by the purchaser within reasonable time and at the reasonable price and where reasonably possible to the same particulars and under competitive conditions. The contractor's full and extreme liability under this clause shall be satisfied by the payment to the purchaser of the extra cost of any such replacement, delivered and/or erected as provided for in the original contract; such extra cost being the ascertained difference between the price paid by purchaser under the provision mentioned above, for such replacement and the contract price for the plant so replaced, and the repayment of any sum paid by the Purchaser to the contractor in respect of such defective plant. Should the purchaser not so replace the rejected plant within a reasonable time, the contractor's full and extreme liability under this clause shall be satisfied by the repayment of all moneys paid by the purchaser to him in respect of such plant. In the event of such rejection the purchaser shall be entitled to the use of the plant in a reasonable and proper manner for a time reasonably sufficient to enable him to obtain other replacement plant. During the period the rejected plant is used commercially the Contractor shall be entitled to a reasonable sum as payment for such use.

12. Replacement of defective work or material:

If during the progress of the work, the purchaser or his representative shall decide and notify in writing to the contractor that the contractor has executed any unsound or un-perfect work, or has supplied any plant or materials inferior in quantity or quality to those specified, the contractor on receiving details of such defect or deficiency shall otherwise within such time as may be reasonably necessary for making it good, proceed to alter, reconstruct or remove such work or supply fresh materials up to the standard of

the particulars and in case the contractor shall fail to do so the purchaser may on giving the contractor seven day's notice in writing of his intention to so do, proceed to remove the work or materials complained of and at the cost of the contractor perform all such work or supply such materials, provided that nothing in this clause shall be deemed to the purchaser of or effect any rights under the contract which he may otherwise have in respect of such defect or deficiencies.

13. Time and date of completion of the work is the essence of the contract:

The time and date stipulated in the tender for completion of the work shall be deemed to be the essence of the contract. In case of the delay contractor shall in addition to other liabilities mentioned in the General Conditions of Contract be liable for all cost of inspection which may be incurred after the date of which the work ought to have been completed and in the event of the Contractor's failure to complete the work within the period prescribed for such completion the purchaser shall be entitled to withhold any payments until the whole of the work has been completed and to recover from the Contractor a sum of 2% of the total contract price of the work for each and every month or part of a month during which the completion of the work may be delayed. But if the delay shall have arisen from any cause such as strikes, lockouts, fire, accident, riot, etc. which the purchaser may allow such additional time as he may consider to have been required by the circumstances of the case admit as reasonable ground for further time the purchaser wills.

14. Taking-over:

When all performance tests called for by the particulars have been successfully carried out before shipment the plant shall be accepted and taken over when it has been satisfactorily put into operation on site, or within one month of its being ready to be put into operation

whichever shall be the earlier and the Inspector shall forthwith issue a Taking Over Certificate. In the event of final or any outstanding tests being hold over until the plant is erected, such taking over Certificate shall be issued subject to the results of such final or outstanding tests which shall be carried out. When the particulars call for tests on site, plant shall be taken over and the Taking Over Certificate issued immediately such tests have been satisfactorily carried out. The Inspector shall not delay the issue of any Taking Over Certificate contemplated by this clause on account of minor defects in the plant which do not materially affect the commercial use thereof provided that the Contractor shall undertake to make good the same in due course.

15. Guarantee against defects.

For a period specified for guarantee after the plant has been taken over the contractor shall be responsible to the extent in this clause expressed for any defects that may develop under the condition provided for by the contract and under proper use, arising from faulty materials, design or workmanship in the plant or from faulty erection of plant by the Contractor but not otherwise and shall remove such defects at his own when called upon to do so by the purchaser who shall state in writing in what respect the portion is faulty. If it became necessary for the contractor to replace or renew any defective portion of the plant under this clause, the provisions of this clause shall apply to the portion of the plant so replaced or renewed until the expiration of six months from date of such replacement or renewal or until the end of the above mentioned period of guarantee whichever may be the later. If any defects be not remedied within reasonable time the purchaser may proceed to do the work at the Contractor's risk and expense, but without prejudice to any other rights which the purchaser may have against the contractor in respect of such defects. If the replacement or renewals are of such a character as may effect the efficiency of the

plant, the Purchaser shall have the right to give to the contractor within one month such replacement or renewal notice in writing that tests on completion will be carried out. Should such tests show that the plant sustains the guarantees given in the contract; the cost of the tests shall be borne by the purchaser. Should the guarantee not be sustained, the costs of the tests shall be borne by the contractor. All inspections, adjustments, replacements or renewals carried out by the contractor during the maintenance period shall be subject to the same conditions as the contract. Until the final certificate shall have been issued, the contractor shall have the right of entry, at his own risk and expense, by himself or his duly authorized representative, whose names shall have previously been communicated, in writing to the purchaser at all reasonable working hours upon all necessary parts of the works, for the purpose of inspecting the working and the records of the plants and taking notes there from, and if desired, at his own risk and expense making any tests subject to the approval of the purchaser which shall not unreasonably be withheld.

C. Exercise: Participants to draft a supply order/contract for procurement of health equipment.

d. Issues of Security/Performance bonds

If stated in the solicitation documents, procuring agency shall require the contractor who submits the successful offer to submit a performance security not exceeding normally ten percent of the value of the procurement contract. Performance bonds are normally preferred where foreign exchange or imported items are to be procured.

While security on prescribed rates is to be obtained from the firms with whom supply order is being placed.

e. Monitoring of contracts

On receipt of contract, the contractor on the form prescribed must make acknowledgement of the receipt. In case of import purchases, the Purchase officer should ensure that the clearing agent keeps him informed about the arrival of ships carrying the consignment. The concerned Purchase Officer will ensure that the terms of the contract are fulfilled. He maintains a register to record the progress and delivery status of the goods. The date of delivery will be clearly mentioned in the Purchase Contract (Order). Time for and date of delivery to be essence of the contract

The time for and the date of delivery of the stores stipulated in the contract shall be deemed to be the essence of the contract and delivery must be completed no longer than the dates specified therein. The delivery dates shall be counted from the date of issue of the contract or supply order. The contractor shall afford all reasonable facilities to the officer appointed by the purchaser in this behalf including free and full access to his works and all record having a bearing on the progress of the deliveries against the contract.

Session #9 Delivery and Inspection of Goods

a. Roles of various actors: The right to extend the delivery period in the purchase contract is held by the appropriate authority in the procurement agency. An Extension beyond two months can only be allowed with the concurrence of the indenting officer. In case, a higher price was originally accepted for a shorter delivery period, extension in the period of the contract is not recommended unless there is a suitable reduction in the price of the contract. No extension in the delivery period is allowed if it extends to the next financial year, without the approval of the indenting officer.

b. Extension of delivery date: If the contracted dates may be adhered to, an application with full justification shall be sent by the contractor not later than 15 days in advance of the expiry of the delivery date specified in the contract to the office issuing the acceptance of tender and a copy endorsed to the Inspector specified in the schedule. Should, however, deliveries be made after the expiry of the contracted delivery date without prior concurrence of the purchaser and accepted by the Inspector such deliveries will not deprive the purchaser of his right to recover liquidated damages. Deliveries shall not be made after the expiry of contracted delivery date without prior concurrence of the Purchaser. Without prejudice to the foregoing rights, if such failure to deliver in proper time as aforesaid shall have arisen from any cause which the purchaser may admit as a reasonable ground for an extension of the time he may allow such additional time as he considers to be justified by the circumstances of the case and his decision shall be final in that

respect. Provided always that any failure or delay on the part of the sub-contractors though their employment may have been sanctioned, shall not be admitted as reasonable ground for any extension of the time for exempting the contractor from liability for any such loss or damage as aforesaid and provided further that no extension shall be allowed unless application for it shall in the opinion of the purchaser (which shall be final) have been made and in his opinion is justified.

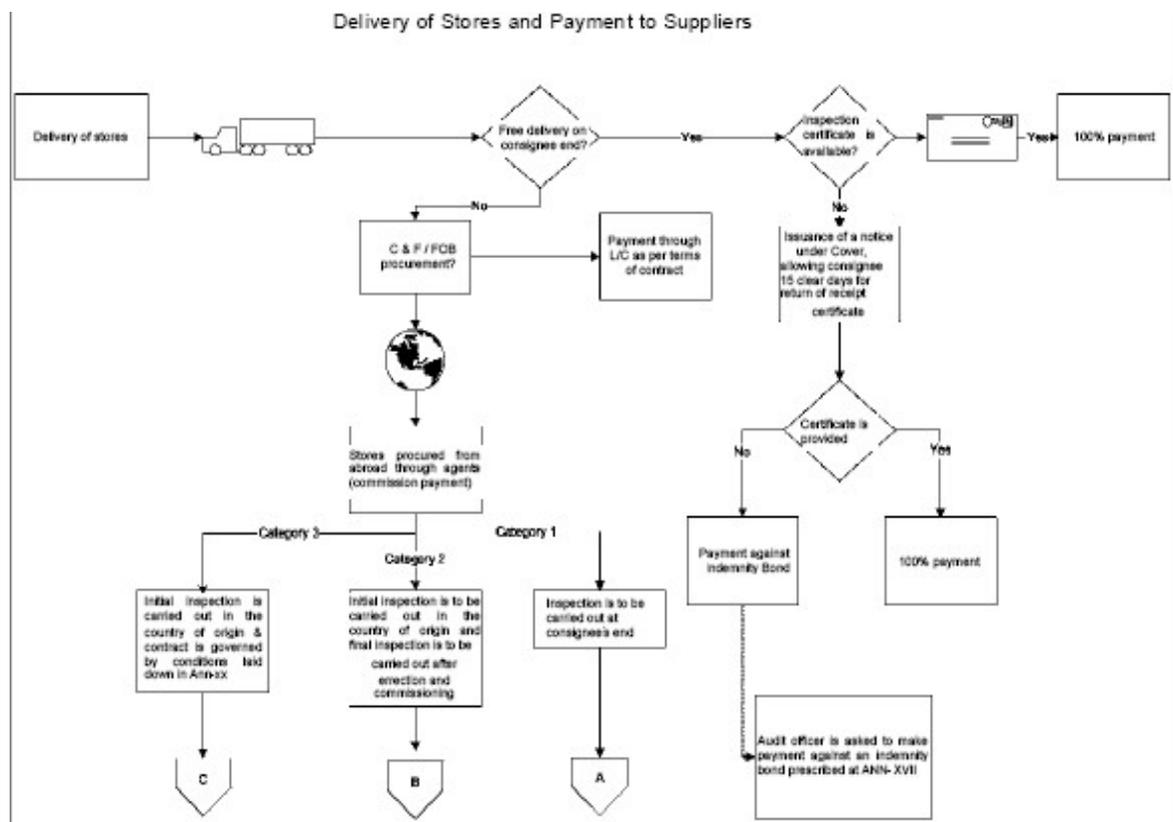
c. Liquidated Damage: The delivery period is the essence of the contract. If the supplier fails to adhere to the delivery schedule and intends to seek expansion thereof, it will be the sole discretion of the Purchaser either to grant or refuse extension in delivery period. However, the extension in delivery period, if granted, shall be subject to liquidated damages @ 2% per month of price of each item not timely delivered.

d. Inspection of stores: The consignee carries out the inspection of stores. The purchase officer also involves a technical officer in case the goods supplied are of sophisticated nature. The inspection call should be sent two weeks before the date on which the inspection is required.

Session # 10.

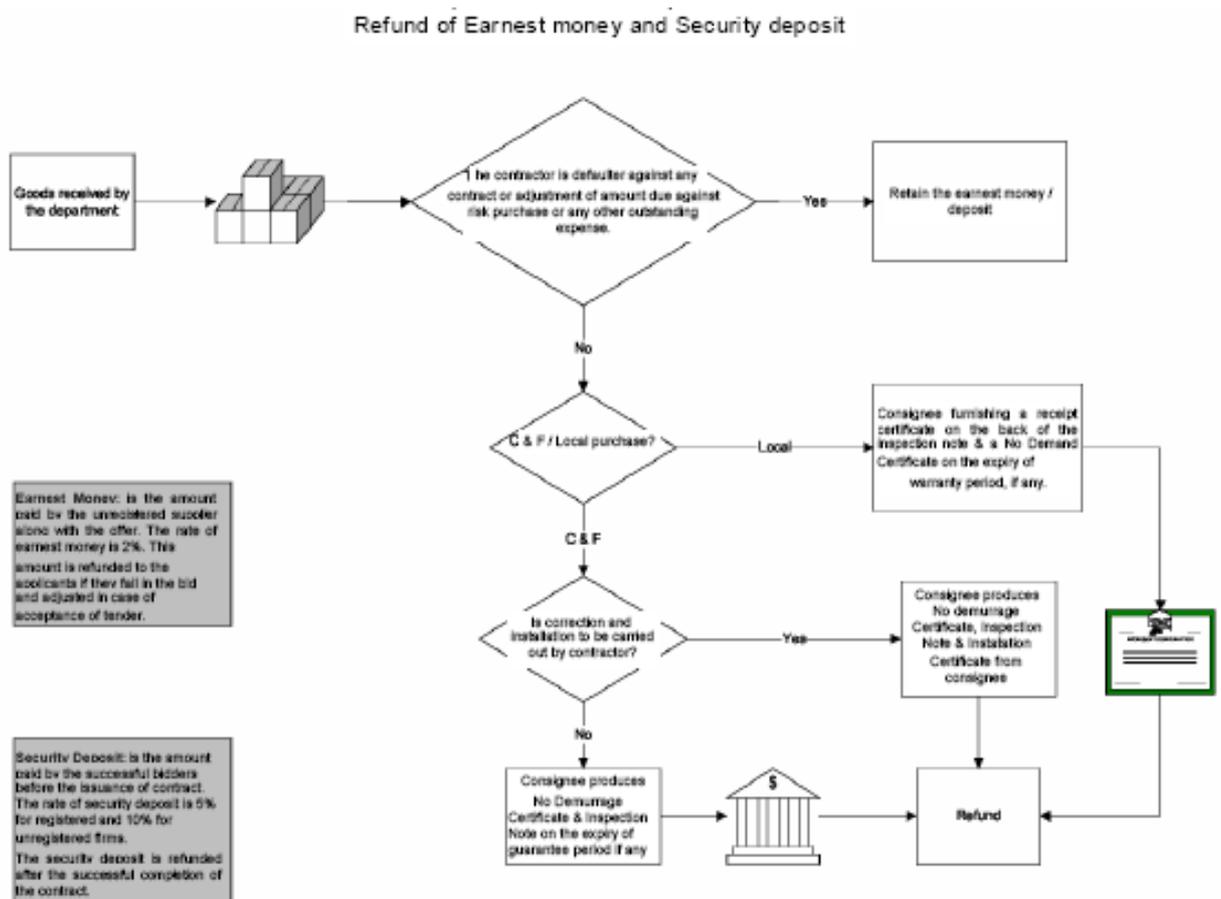
Payment to supplier

Payments are made by the AG / district accounts officers on the approval of the purchase officer. In case of local purchases, involving free delivery at consignee's premises, 100% payment is made against the receipt of inspection certificate on the prescribed form. Furthermore, if the receipt certificate is not returned by the consignee to the supplier within Period prescribed of the receipt of store, the consignee is issued a notice under registered cover allowing him 15 days for return of receipt certificate. If the supplier does not receive inspection certificate after serving the notice he can ask the audit officer to make payment to the contractor against the prescribed indemnity bond.



Refund of Security Deposits

On due completion of the contract the Purchaser shall return the security deposit to the Contractor on presentation of a No Demand Certificate issued by the Consignee and countersigned by the Purchaser and the Contractor shall return in good condition of any specifications, or any other property belonging to the Purchaser which have been issued to the Contractor for the execution of the contract. In case a No Demand Certificate is not received from the Consignee within 2 months of the receipt of the stores by him, the Consignee shall be issued a 15 days notice failing which the security shall be refunded against Indemnity Bond.



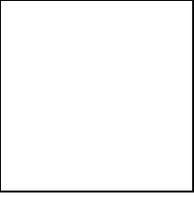
Session # 11

General Financial rules/Financial delegation etc.

In incurring and sanctioning expenditure for procurement the disbursing officers and sanctioning authorities should be follow the fundamental canons of financial propriety. Same vigilance should be exercised in respect of expenditure incurred from Government revenues, as a person of ordinary prudence would exercise in respect of the expenditure of his own money. No authority should sanction any expenditure, which is likely to involve at later date expenditure beyond its own powers of sanction.

In addition following checks to be ensured while making procurement:

- Please check the budget availability
- Please check the sanction of the competent authority.
- Do not split purchases to avoid approval/sanction of next higher authority.
- Please check the administrative approval in case of a development scheme.
- Please check that indent conforms to details and specifications provided in the PC-I.
- Please note that violation of procedure, PC-I, Sanction etc may attract disciplinary action.



Appendices to this manual are:

1. PVMS list for medicine
2. PVMS list for Equipment.
3. Formulatory to RHC/BHU.
4. Federal Govt drug labeling Rules.

FORMULARY FOR BASIC HEALTH UNITS PUNJAB

PV. No.	Nomenclature
Anesthetic & Adjuvant (General)	
00015-A	Inj. Lingocaine. 2% 2ml
00015-B	Inj. Lingocaine Sol. 2% (Amp. of 10ml)
00010	Ethyl Chloride Spray (Pack of 100ml)
Analgesics & Anti-Inflammatory Drugs	
00023	Tab. Aspirin Soluble 300mg.
00033	Susp. Ibuprofen 100mg/5ml.
00034	
00039	Susp. Paracetamol 120mg / 5ml (Bottle of 60 ml)
00040	Tab. Paracetamol 500mg
Antacids & Allied Drugs	
00045	Susp. Alumina Magnesia Bottle of 450ml.
00049	Tab. Mag. Tricilate 500mg + Aluminium Hydroxide 250mg.
Anthelmentic Drugs	
00058	Syp. Pyrental Pamoate 250mg/5ml.
00059	Tab. Pyrental Pamoate 250mg.
00060-B	Tab. Mebendazole 100mg.
00061-B	Syp. Mebendazole 100mg/5ml
Anti- Diabetic Drugs	
00063	Tab. Glibenclamide 5mg. Pack of 60
00067	Tab Metformin HCL 500mg.
Anti-Diarrhoeal Drugs	
00069	Susp. Furazolidine 0.5% w/v Bottle of 120 ml
00070	Tab Furazolidine 100mg.
00071	Susp Kaolin Paectin Bottle. of 60 /90 ml
00072	O.R.S
Anti-Emetic Drugs	
00074	Syp. Cyclizine 12.5mg /5ml, Bott. Of 50ml.

00079	Tab. Metoclopramide HCl 100mg.
00081	Inj. Metoclopramide HCl 5mg / ml.
Anti- Malarial Drugs	
00094	Inj. Chloroquine Sulphate / Phosphate 40mg / ml.
00095	Syp. Chloroquine Sulphate / Phosphate 50mg / ml.
00096	Tab. Chloroquine Sulphate / Phosphate 250mg.
00689	Tab. Sulphadoxime 250mg+Pyrimethamine 25mg.
	Tab. Quinine 200mg.
	Syp. Quinine Sulphate.
	Inj. Quinine Dihydrochloride 300mg / ml (Amp. of 2ml)
Anti Biotic Drugs & Allieds	
00102	Syp. Ampicillin 125mg / 5ml, Bott of 60ml.
00103	Cap. Ampicillin 250mg.
00104	Inj. Ampicillin 250mg
00105	Cap. Ampicillin 500mg.
00106	Inj. Ampicillin 500mg.
00117	Inj. Procaine Penicillin 4 Lac.
00131	Syp. Sulphamethoxazole 200mg+Triethoprim 40mg / 5ml Bottle of 60 ml).
00133	Tab. Sulphamethoxazole 800mg+Triethoprim 160mg.
00142	Susp. Metronidazole 200mg / 5ml, Bottle of 60ml
00143	Tab. Metronidazole 400mg
00150	Cap. Oxytetracycline 250mg
Eye Preparations	
00154	Eye Drop Chloramphenicol 0.5% Bottle of 10ml.
00157	Eye Oint. Chloramphenicol 1%, Tube of 3.5mg
00638	Ear Drop Chloramphenicol Bottle of 10ml
Anti- Spasmodic Drugs	
00197	Inj. Atropine Sulphate 0.5mg / ml Amp of 1ml
00198	Inj. Hyoscine 20mg+Metamizole 250mg / 5ml.
00643	Tab. Hyoscine- Butylbromide 10mg + Metyamizole 250mg.

Anti-Tubercular Drugs	
00203	Tab Ethambutol 400mg.
00205	Tab. Isoniazid 100mg.
00206	Tab. Pyrazinamide 500mg.
00211	Tab./ Cap. Rifampifin 450mg.
00213	Inj. Streptomycin 1gm.
Cardiovascular Drugs	
00226	Tab. Methyldopa 250mg.
00229	Tab. Nitroglycening 0.5mg.
Diuretics	
00263	Tab Frusemide 40mg.
00264	Inj. Frusemide 20mg / 2ml (Amp of 2ml)
00265	Tab. Potassium Chloride 500mg
Bronchodilators	
00270	Inj. Aminophylline 250mg/ 10mg.
00277	Tab. Salbutamol 2mg.
00278	Tab. Salbutamol 2mg /5ml (Bott. of 60ml)
Cough Syrups	
00281	Syp. Amm Chloride 100mg. CPM 2mg. Ephedrine 7mg. Menthol 1mg/5ml. Bott. Of 450ml.
00284	Syp. Triprolidine HCl 1.25mg+Pseudoephedrine HCL30mg+Dextromethorphen 10mg. per 5ml (Bott. Of 60ml)
Hormones	
00294	Inj. Dexamethason Sod. 20mg. / 5ml. Vial/Amp. Of 5ml.
00295	Tab. Dexamethasone sod. 4mg/ml (Vial/Amp. of 1ml)
00301	Inj. Methyl Ergometrine 0.2mg/ml.
00305	Oxytocin 5IU/ml.
00310	Inj. Adrenaline 1mg/ml.
Anti-Allergies	
00313	Tab. Chlorpheniramine Maleate 4mg
00314	Syp. Promethazine HCl 5mg / 5ml.
00318	Tab. Promethazine HCl 10mg

00636	Inj Chlorpheniramine Maleate 4mg/ ml.
00637	Syp.Chlorpheniramine Maleate 2mg/5ml.
Skin Preparations & Hospital Dispensing Items	
00328	Gentian Violet (Pack of 100mg)
00336	Sprit Methylated (Pack of 4.5 liters)
00343	Soft Paraffin (Pack of 500mg)
00408	Oint Acriflavin 1% 30mg.
00409	Lotion Benzyl Benzoate 25% (Bott. of 450ml)
00414	Sol. Chlortxylenol B.P (Pack of 4.5 liters)
00622	Skin Oint Polymixin B Suiphate 1000 iu+Zinc Bacitracin 500 mg tube of 10 mg
Hypnodis & Sedatives	
00350	Tab. Diazepam 5mg.
Intravenous Solutions	
00359	Inj. Distilled water 5ml.
00361	Inj. Dextrose 5% I/V set 1000ml.
00367	Normal Saline I/V Set (1000ml)
Purgative Drugs	
00391	Tab, Bisacodyl 5mg.
Sera & Vaccines	
00395	Inj. Anti-Tetnus Toxoid (0.5ml)
00406	Inj. Anti Rabies Vaccine.
00513	Inj. Anti Venom Serum.
Vitamins & Hematinics	
00434	Syp. Ferrous Gluconate 300mg/ml, (Bott.of 120ml)
00435	Tab. Ferrous Sulphate 150mg.
00436	Tab. Folic acid 5mg
00439	Tab. Vitamin B-Complex.
	Inj. Vitamin – K Analogue
Surgical Items	
00519	Cotton Bandage 6.5cm x 6cm.
00520	Cotton Bandage 10cm x 6cm.

00521	Cotton Bandage 15cm x 6cm.
00530	Disposable Syringe with needle 5ml.
00625	Absorbent cotton Wool BPC (500gm)
00627	Adhesive Plaster BPC 7.5Cm x 9M.

FORMULARY FOR RURAL HEALTH CENTRES OF PUNJAB.

P.V. NO.	Nomenclature		Nomenclature
Anesthetic & Adjuvant (General)			
00002	Ether Anesthetic Bottle of 500	00005	Inj. Ketamine 50 mg/ml Amp. 10 ml
00004	Inj. Diazepam 10mg/2ml Amp. Of 2ml, Box of 1000.		
00006	Inj. Thiopentone Sod. 500mg with Distilled Water Box of 25.		
Anesthetic & Adjuvant (Local)			
00008	Inj. Bupivacaine HCL 0.5% of 10ml.	00013	Lignocaine Gel 2% Tube of 15 gm.
00010	Ethyl Chloride Spray (Pack of 100ml)	00016- A	Lignocaine with Adrenalline 2% Amp of 2ml
00011	Oint. Ephedrine HCL 0.25% with Lignocaine & Allantoin.	00016- B	Lignocaine with Adrenalline 2% Amp of 10ml
00012	Lignocaine Dental Cart 2%.		
00016- A	Inj. Lingocaine Sol. 2% (Amp. of 2ml)		
00015- B	Inj. Lingocaine Sol. 2% (Amp. of 10ml)		
00017	Inj. Lingocaine Sol. 4% (Vial of 50ml)		
	Analgesics & Anti-Inflammatory Drugs		
00023	Tab. Aspirin Soluble 300mg.	00027	Tab. Diclofenac Sodium 50mg.
00026	Inj. Diclofenac Sod. 75mg/3ml.	00036	Tab/Cap. Indomethacin 25 mg.
00033	Susp. Ibuprofen 100mg/5ml.	00037	Tab. Mefenamic Acid 500mg.
00035	Tab. Ibuprofen 400mg		
00039	Susp. Paracetamol 120mg / 5ml (Bottle of 60 ml)		
00040	Tab. Paracetamol 500mg		
00041	Inj. Pentazocine 30mg / ml (Amp. of 1ml)		
00038	Inj. Morphine 10 mg./ml. (Amp. of 2ml)		
00043	Inj. Pethidine 100 mg. /2 ml. (Amp. of 2ml)		

Antacids & Allied Drugs			
00045	Susp. Alumina Magnesia Bottle of 450ml.	00046	Inj. Cimitidine 200mg /ml amp of 2ml
00049	Tab. Mag. Tricilate 500mg + Aluminium Hydroxide 250mg.		Tab. Famotidine 20 mg.
			Tab. Famotidine 40 mg.
			Cap. Omperazole 20mg
			Tab. Cimetidine 200mg
			Tab. Cimetidine 400mg
Anthelmintic Drugs			
00058	Syp. Pyrental Pamoate 250mg/5ml.	00061	Syrup Albendazole
00059	Tab. Pyrental Pamoate 250mg.	00061	00060 Tab. Albendazole
00060- B	Tab. Mebendazole 100mg.		
00061- B	Syp. Mebendazole 100mg/5ml		
Anti- Diabetic Drugs			
00063	Tab. Glibenclamide 5mg. Pack of 60	00064	Tab. Gliclazide
00065	Inj. Insulin NPH/ Isophane Insulin 100 I.U./ml.		
00066	Inj. Insulin Plain 100 I.U./ml. (Vial of 10ml)		
00067	Tab Metformin HCL 500mg.		
Anti-Diarrhoeal Drugs			
00069	Susp. Furazolidine 0.5% w/v Bottle of 120 ml	00068	Tab. Attapulgit 500mg
00070	Tab Furazolidine 100mg.		Tab. Metronidazole 200mg
00071	Susp Kaolin Paectin Bottle. of 60 /90 ml		Tab. Metronidazole 400mg
00072	O.R.S		Syp. Metronidazole
Anti-Emetic Drugs			
00074	Syp. Cyclizine 12.5mg /5ml, Bott. Of 50ml.		Tab. Domperidone,
00079	Tab. Metoclopramide HCl 100mg.		Syp. Dimenhydrinate
00081	Inj. .Metoclopramide HCl 5mg / ml.		Tab Dimenhydrinate
00314	Syp. Promethazine HCl 5mg / 5ml.		
00318	Tab. Promethazine HCl 10mg.		

Total pages (5)

	Anti- Malarial Drugs		
00094	Inj. Chloroquine Sulphate / Phosphate 40mg / ml.		
00095	Syp. Chloroquine Sulphate / Phosphate 50mg / ml.		
00096	Tab. Chloroquine Sulphate / Phosphate 250mg.		
00689	Tab. Sulphadoxime 250mg+Pyrimethamine 25mg.		
	Tab. Quinine 200mg.		
	Syp. Quinine Sulphate.		
	Inj. Quinine Dihydrochloride 300mg / ml (Amp. of 2ml)		
	Anti Biotic Drugs & Allieds		
00102	Syp. Ampicillin 125mg / 5ml, Bott of 60ml.	00137	Tab Erythrocin 500 mg
00103	Cap. Ampicillin 250mg.	00101	Cap. Amoxicillin 500 mg
00104	Inj. Ampicillin 250mg	00140	Inj. Metronidazole 500mg/ 100ml
00105	Cap. Ampicillin 500mg.	00134	Cap. Doxycyclin 100 mg
00106	Inj. Ampicillin 500mg.	00123	Cap Cephadrine 250 mg
00108	Syp. Ampicillin 125mg+Cloxacillin 125mg / 5ml.	00124	Inj. Cephadrine 500 mg
00111	Inj. Ampicillin 250+Cloxicillin 250mg.	00099	Syp Amoxicillin 125 mg/5ml
00115	Inj. Benzyl Penicillin 10 Lac.	00461	Tab. Ofloxacin 200 mg
00117	Inj. Procaine Penicillin 4 Lac.		Tab Nalidixic Acid 500 mg
00131	Syp. Sulphamethoxazole 200mg+Triethoprim 40mg / 5ml Bottle of 60 ml).		
00133	Tab. Sulphamethoxazole 800mg+Triethoprim 160mg.		
00139	Inj. Gentamicin 80mg/2ml Amp. of 2ml.		
00142	Susp. Metronidazole 200mg / 5ml, Bottle of 60ml		
00143	Tab. Metronidazole 400mg		
00150	Cap. Oxytetracycline 250mg		
	Eye Preparations		
00154	Eye Drop Chloramphenicol 0.5% Bottle of 10ml.		
00157	Eye Oint. Chloramphenicol 1%,		

	Tube of 3.5mg		
00247	Eye Drop. Dexa,etjaspme 0.1% Bottle of 5ml		
	Ear Preparations		
00423	Ear Drop Polymyxin B Sulphate+Lignocaine HCl. Bottle of 5 ml		
00638	Ear Drop Chloramphenicol Bottle of 10ml		
	Anti-Dotes		
00173	Inj. Naloxone HCl 0.4mg Amp of 1ml		
	Anti- Spasmodic Drugs		
00197	Inj. Atropine Sulphate 0.5mg / ml Amp of 1ml		
00198	Inj. Hyoscine 20mg+Metamizole 250mg / 5ml.		
00199	Inj.Hyoscine-N Butylbromide 20mg / ml (Amp. of 1ml)		
00200	Tab. Hyoscine- N Butylbromide 10mg.		
00643	Tab. Hyoscine- Butylbromide 10mg + Metyamizole 250mg.		
	Anti-Tubercular Drugs		
00203	Tab Ethambutol 400mg.	00838	Rifampicin 150mg +INH 75 mg+ PZA 400 mg+ Ethambutol 275 mg.
00205	Tab. Isoniazid 100mg.		
00206	Tab. Pyrazinamide 500mg.		
00207	Syp. Rifampicin2% Bottle of 60ml.		
00210	Tab. / Cap. Rifampifin 300mg.		
00211	Tab./ Cap. Rifampifin 450mg.		
00213	Inj. Streptomycin 1gm.		
	Cardiovascular Drugs		
00214	Tab. Atenolol 100mg.		Tab. Amlodipine besylate
00216	Tab. Digoxin 0.25mg.		00215Tab. Captopril
00224	Tab. Isosorbide Dinitrate 10mg.		00228 Cap Nifedipine 10 mg
00230	Tab. Prozosine 2mg.		00217 Inj. Digoxin .25 mg/ml
00226	Tab. Methyldopa 250mg.		00222 Inj. Dopamine 40 mg/ml
00229	Tab. Nitroglyceninge 0.5mg.		00690 Inj Isosorbide Nitrate0.1% Amp of 10 ml
00234	Tab. Propanolol 40mg.		
	Coagulants & Haemostatics		

00241	Inj. Menaphthone Sodium Bisulphate 100mg/ml.		Inj. Tranxemic acid
	Inj. Vitamin-K Analogue		Cap. Tranxemic acid 00240 Inj Heparin 5000 iu /ml
	Diuretics		
00263	Tab Frusemide 40mg.		
00264	Inj. Frusemide 20mg / 2ml (Amp of 2ml)		
00265	Tab. Potssium Chloride 500mg		
	Bronchodilators		
00269	Tab. Aminophylline 100mg.		Salbutamol solution (20ml)
00270	Inj. Aminophylline 250mg/ 10mg.		
00277	Tab.Salbutamol 2mg.		
00278	Tab. Salbutamol 2mg /5ml (Bott. of 60ml)		
	Salbutamol for Inhalation.		
	Expectorants & Cough Syrups		
00280	Syp Aminophlline 32mg. Diphenhydramine 8mg. Chloride 30mg. Menthol 0.98mg, Alcohol 5% (Bott. of 450ml)		
00281	Syp. Amm Chloride 100mg. CPM 2mg. Ephedrine 7mg. Menthol 1mg/5ml. Bott. Of 450ml.		
00284	Syp. Triprolidine HCl 1.25mg+Pseudoephedrine HCL30mg+Dextromethorphen 10mg. per 5ml (Bott. Of 60ml)		
	Hormones & Others.		
00293	Tab Dexamethasone 0.5mg.		00130 Inj.Adrenallin 1mg/ml
00294	Inj. Dexamethason Sod. 20mg. / 5ml.Vial/Amp. Of 5ml.		
00295	Tab. Dexamethasone sod. 4mg/ml (Vial/Amp. of 1ml)		
00297	Inj. Hydrocortisone Sod. Succinate 250mg, Duplex vial.		
00301	Inj. Methyl Ergometrine 0.2mg/ml.		
00305	Oxytocin 5IU/ml.		
00306	Tab. Prednisolone 5mg.		
00678	Inj. Hydrocortisone Sod. Succinate 250mg. dry powder.		
	Anti-Allergic Drugs		
00310	Inj. Adrenaline 1mg/ml.		Tab. Cetrizine Hcl
00313	Tab. Chloropheniramine Maleate 4mg.		

00636	Inj Chloropheniramine Maleate 4mg/ ml.		
00637	Syp.Chloropheniramine Maleate 2mg/5ml.		
	Skin Preparations & Hospital Dispensing Items		
00328	Gentian Violet (Pack of 100mg)		Povidone Solution (450ml)
00332	Hydrogen Peroxide B.P. (450ml)		
00335	Liquid Paraffin BP (Pack of 500gm)		00622 Skin Oint Polymixin B Suiphate 1000 iu+Zinc Bacitracin 500 mg tube of 10 mg
00336	Sprit Methylated (Pack of 4.5 liters)		00417 Cream Silver Sulphadizine 50 gm
00340	Pot. Permanganate B.P (Pack of 450ml)		
00343	Soft Paraffin (Pack of 500mg)		
00408	Oint Acriflavin 1% 30mg.		
00409	Lotion Benzyl Benzoate 25% (Bott. of 450ml)		
00414	Sol. Chlortxylenol B.P (Pack of 4.5 liters)		
00419	Glycening B.P (Pack of 1kg)		
00428	Weak Iodine Sol. 25% (Bott. of 450ml)		
00476	Tinc. Benzoin Co. BPC (Bott. of 450ml)		
	Empty Plastic Bottles 60ml (Pharmaceutical Grade).		
	Intravenous Solutions		
00358	Inj. Dextrose 10% I/V set 1000ml.		00366 Inf. Ringer Lactate 500ml /1000ml
00359	Inj. Distilled water 5ml.		00036 Inj. Mannitol 20% w/v 500ml
00361	Inj. Dextrose 5% I/V set 1000ml.		00455 Inj Polygelline 35 gm with Gelatin based plasma solution
00362	Inj. Dextrose Saline I/V set 1000ml.		00455 3% Electrolyte soln. 500 ml
00365	Potassium Chloride 7.4% (Amp. of 25ml)		00357 Inj. Dextrose 25 % Amp of 25 ml
00367	Normal Saline I/V Set (1000ml)		
00368- A	Inj. Sodium Bicarbonate (8.4% Vial of 50ml)		
	Psychotropic Drugs		
00350	Tab. Diazepam 5mg.		00830 Tab. Bromazepan 3mg
00352	Tab Phenobarbitone 30mg.		00170 Tab.Sod.Valproate 200 mg
00386	Tab. Haloperidol 5mg.		
00388	Inj, Haloperidol 5mg./ ml.		

	Tab Chlorpromazine 50mg.		
	Purgative Drugs		
00391	Tab, Bisacodyl 5mg.		
	Sera & Vaccines		
00398	Inj. Tetanus Anti-Toxin 1000IU		Anti-Sera
00395	Inj. Anti-Tetnus Toxoid (0.5ml)		
00406	Inj. Anti Rabies Vaccine.		
00513	Inj. Anti Venom Serum.		
	Vitamins & Hematinics		
00434	Syp. Ferrous Gluconate 300mg/ml, (Bott.of 120ml)		Inj. Calcium Gluconate + Vitamin C
00435	Tab. Ferrous Sulphate 150mg.		
00436	Tab. Folic acid 5mg		
00439	Tab. Vitamin B-Complex.		
	Dental Preparations		
00471	Clove Oil B.P (Pack of 450ml)		Pulperyl Solution
00472	Zinc Oxyphosphate Cement 125gm.		Fissure Sealant
00473	Silver Alloy (Pack of 500mg)		Composite light cure filling material
00474	Powder Tannic Acid (Jar of 500gm)		
00624	Compound Filling Material.		
00652	Gum Paint containing Clove Oil 10%, Camphor 8 \$ Chlorobutol 2%, Phenol (Pack of 10ml)		
00654	Mercury B.P (Pack of 500gm)		
00655	Alvogyl (Pack of 11gm)		
	Surgical Items		
00519	Cotton Bandage 6.5cm x 6cm.		Paragon dressing
00520	Cotton Bandage 10cm x 6cm.		I.V canula 18,20,22,24,
00521	Cotton Bandage 15cm x 6cm.		Butterfly needle (All sizes)
00625	Absorbent cotton Wool BPC (500gm)		N.G Tubes (All sizes)
00626	Absorbent Cotton BPC 100Cm x 30M		Urine bags (Paeds / Adult)
00627	Adhesive Plaster BPC 7.5Cm x 9M.		Folley's Cathether (All Sizes)
00501	Catgut Chromic 45mm curved needle intestinal Size 1, Box 12 foils		Cord clump
00506	Catgut Plain on curved needle Size 0, Box of 12 foils.		Adhesive tape
00607	Catgut Plain of curved needle Size		NG tube

	1, Box 12 foils		
00548	Nylon on needle 40mm 1/2 CRB Size 0, Box of 12 foils.		ETT
00550	Nylon on needle 40mm 1/2 CRB Size 1, Box of 12 foils.		
00551	Nylon on needle 40mm 1/2 CRB Size 2, Box of 12 foils.		
00661	Catgut Chromic with intestinal Eyeless R.Needle Size 1. Box of 12 foils.		
00662	Catgut Chromic 30mm 1/2 CRB Size 2/0, Box of 12 foils.		
00663	Catgut Chromic 30mm 1/2 CRB Size 0, Box of 12 foils.		
00664	Silk Black Braided 40mm 1/2 CRB Size 2, Box of 12 foils.		
00665	Silk Black Braided 40mm 1/2 CRB Size 1, Box of 12 foils.		
00669	Silk Black Braided Without needle Size 1 Reel of 22m.		
00530	Disposable Syringe with needle 5ml.		
00531	Disposable Syringe with needle 10ml.		
00585	X-Ray developer salt (Powder) to make 10 litre Solution.		
00602	X-Ray fixer salt (Powder) to make 10 litre Solution.		

**Health Department
Government of the Punjab**

FORMULARY FOR RURAL HEALTH CENTERS OF PUNJAB.

PV#	PROPOSED ADDITIONS
1	00005 Inj.Ketamine 50 mg/ml
2	00016 A Lignocaine with Adrenalline 2% Amp of 2ml
3	00016 B Lignocaine with Adrenalline 2% Amp of 10ml
4	00013 Lignocaine gel 2%tube of 15gm
5	00027 Tab.Diclofenac Sodium 50mg
6	00036Tab/Cap.Indomethacin 25 mg
7	00037 Tab.Mefenamic Acid 250 mg
8	00047 Tab.Cimetidine 400mg
9	00046 Inj. Cimitidine 200mg /ml amp of 2ml
10	00051 Tab.Ranitidine 150 mg
11	00051 Inj.Ranitidine 50 mg/2ml
12	00061 Syrup Albendazole
13	00060 Tab. Albendazole
14	00064 Tab.Glipizide
15	00068 Tab.Attapulgate 500mg
16	00141Tab.Metronidazole 200mg
17	000142 Syp. Metronidazole 200 mg/5ml
18	00077 Syp. Dimenhydrinate 12.5 mg/4ml
19	00078 Tab Dimenhydrinate 50 mg
20	00076 Inj. Dimenhydrinate 50mg/ml
21	000137Tab Erythrocin 500 mg
22	000101 Cap.Amoxicillin 500 mg
23	000140 Inj.Metronidazole 500mg/100ml
24	000137Cap.Doxycycillin 100 mg
25	00099 Syp Amoxicillin 125 mg/5ml
26	000101 Cap Amoxicillin 500 mg
27	000630 Inj.Amoxicillin 250 mg
28	000631 Inj.Amoxicillin 500 mg
29	00812Syp Nalidixic Acid 250 mg/5ml
30	00724 Tab. Ciprofloxacin 250 mg
31	00724 Tab. Ciprofloxacin 250 mg
32	00838 Rifampicin 150mg +INH 75 mg+PZA 400 mg+ Ethambutol 275
33	00215Tab. Captopril 25 mg
34	00228 Cap Nifedipine 10 mg
35	00217 Inj. Digoxin .25 mg/ml
36	00222 Inj. Dopamine 40 mg/ml
37	00690 Inj Isosorbide Nitrate0.1% Amp of 10 ml
38	00242 Inj. Tranxemic acid
39	00240 Inj Heparin 5000 iu /ml
40	00276 Inj. Salbutamol 500 mcg/1ml
41	00770 Skin lotion Povidone Iodine7.5% 100 ml
41	00366 Inj. Ringer Lactate 500ml /1000ml
42	00036 Inj. Mannitol 20%w/v 500ml
43	00455 Inj Polygelline 35 gm with Gelatin based plasma solution
44	00455 3% Electrolyte soln. 500 ml

45	00357 Inj. Dextrose 25 % Amp of 25 ml
46	00830 Tab. Bromazepan 3mg
47	000622 Skin Oint Polymixin B Sulphate 1000 iu + Zinc Bacitracin 500 mg tube of 10 gm
48	00417 Cream Silver Sulphadiazine 50 gm
49	Pulperyl Solution
50	Fissure Sealant
51	Composite light cure filling material
52	Paragon dressing
53	I.V cannula 18,20,22,24,
54	Butterfly needle (All sizes)
55	N.G Tubes (All sizes)
56	Urine bags (Paeds / Adult)
57	Folley's Cathether (All Sizes)
58	Cord clamp
59	Adhesive tape
60	NG tube
61	Endotracheal Tube(All sizes)
62	Disposable Syring 3cc

LIST OF EQUIPMENT AND FURNITURE

SR. No.	STANDARD LIST OF EQUIPMENT AND FURNITURE FOR BHU	STRD. QTY
EQUIPMENT		
1	Cylinders Oxygen 48 Cu. Ft.	4
2	Cylinder Oxygen adjustment valve for	4
3	Needle Holder Mayo 5-1/2	1
4	Needle Suture Cutting Straight 3 sizes	1
5	Scissors dressing straight both	3
6	Scissors dressing straight one point sharp 5-1/2	3
7	Scissors dressing curved on that blunt pointed 5"	3
8	Suction unit foot operated. Portable complete	1
9	Tounuquet rubber with finger grip Max Page	1
10	Trocar Asceites with Cannuala size 9.12	1
11	Trocar abdominal with cannula carved size 6"	1
12	Duodenal Tube Ryles ii) 42" long rubber anylon	3
13	Tube Stomach Siphon with gag I.R. ii) 60" long for adults	2
14	Tube Rectal (flatus)I.R. ii)Size 22" Charriers Gauge	2
15	Catheter Metal Cannula type Curved Bladder	1
16	Catheter Females metal .12 F.R.	4
17	Catheter Fleys Introducer for	1
18	Splint Thomas Legh	2
19	SSplints Goochs Wooden rolls 36" 18"	2
20	Drums sterilizer two sizes I Large	4
21	Drums sterilizer stand for two medium	1
22	Drums sterilizer stand for two large sizes	1
23	Leap Examination on stand	1
24	Lan Petromex	2
25	Cabm Instruments and cupboards	2
26	Sounds stone female with flat handle	1
27	Female Med Clatheters F 201. F 203. F 204. F 28	2
28	Foctal Stell cope	1
29	Torches	1
30	Stethoscope	1
31	B.P Apparatus	1
32	Dragnostoc Set	1
33	Dropper Bottles	6
34	Kidney Trys S.S.	2
35	Ceetle Forces	2

LIST OF EQUIPMENT AND FURNITURE

SR. No.	STANDARD LIST OF EQUIPMENT AND FURNITURE FOR BHU	STRD. QTY
36	Rectangular Trays S.S. different sizes	4
37	Bowls S.S. with cover medium size	3
38	-do- Small size	4
39	Forceps Plain 6"	1
40	Forceps Toothed 6"	1
41	Artery Forceps Mosquito curved	4
42	Artery Forceps Mosquito Straight	4
43	Needle Holder Eye	1
44	Examination Trolley (Steel)	1
45	Revolving Stools (S.S)	2
46	Viewing Boxes	1
47	Kidney Trays	2
48	Tongue depressors	6
49	Nasal Specula	6
50	Aural Specula	6
51	Nasal Dressing Forceps	6
52	Aural Dressing Forceps	2
53	Syringes Record Type, with Leur Lock 2cc	4
54	Syringes Record Type with Leur 1 Loc 5cc	4
55	Syringes Record Type with Leur Lock 10cc	4
56	Needles for syringes all sizes	12
57	"Paragon" detachable scalpel blades. Size 10.11	4pkt
58	No.3.B.P. Type handles to fit blades sizes	2
59	Forceps Extraction	
	i) Upper Anterior Martin Type	4
	ii) Upper Bicuspidis	2
	iii) Upper Molars	4
	iv) Upper roots ream	4
	v) Upper Tidoems	2
60	Test tube racks	2
61	Test tube Holder	1
62	Slides Microscopic Gross	½
63	Test tube 6" x ¾"	1
64	Test Tubes 4" x ½"	1
65	Chamber Nebular Cover slips for Ozs	½
66	E.S.R. Tubes 6" x ¼"	12
67	E.S.R. Stand for 10 Tubes	1
68	Hemoglobinometer Sahlis Tubes for	1
69	" " Pipettes for	1
70	Microscope Binocular	1
71	Microscope Lamp for	1
72	Syringes all glass 10 ml	1
73	" " 5 ml	8

LIST OF EQUIPMENT AND FURNITURE

SR. NO.	STANDARD LIST OF EQUIPMENT AND FURNITURE FOR BHU	STRD. QTY
74	Percussion Hammer	4
75	Stature with Trolley	2
76	Stands curtain screw	2
77	Spray pump for insecticides	2
78	Rubber goods box	1
79	Dispensing table	1
80	Emergency cup/Board	1
81	Deuch Cane	1
82	Perforator	1
83	Cranioclast & Gephelotsiel	1
84	Breach Hook	1
85	Hager Dilator Sets	1
86	Sharp Curette Various sizes	12
87	Anterior Vaginal Wall Retractors	2
88	Bladder Sound	1
89	Autoclave Medium size	1
90	Wheel Chair	1
91	Bathroom scale	1
92	Bag hot water	2
93	Thermometer Clonical 35-42	6
94	Thermometer Rectal	2
95	Scale spring baby pocker 5 kg. 10 g, Grad	3
96	Mortar & Peasuring	1
97	Sterlizer Measuring 18 x 9 x 9	1
98	Cusco Vaginal Speculum F50, F8	1
FURNITURE & LINEN		
1	Chair Office	10
2	Table office with drawers	5
3	Examination Couch	2
4	Bed Iron	2
5	Showed	1
6	Pick Axe	1
7	Bucket G.1.4 Gallons	4
8	Almirah Steel 6x3 x ½	4
9	Bench with back	4
10	Towel Stand	1
11	Waste Paper Basket	4
12	Soap Dish	4
13	Mattresses Foam	2
14	Mattresses Cover	4
15	Blankets	6
16	Bed Sheets	8
17	Draw Sheets	20

LIST OF EQUIPMENT AND FURNITURE

ANNEXURE-3

SR. NO.	STANDARD LIST OF EQUIPMENT AND FURNITURE FOR BHU	STRD. QTY
18	Pillow Foam	2
19	Pillow Covers	4
20	Durries	2
21	Dusters	10
22	Overalls	6
23	Physicians Coats	2
24	Towels	10
25	Table Cloth	20
26	Baby Cots	2

LIST OF EQUIPMENT AND FURNITURE

SR. NO.	STANDARD LIST OF EQUIPMENT & FURNITURE AT R.H.C.	STRD. QTY.
EQUIPMENT		
1.	Face Mask Schimmelbuche's Size	1
2.	Harness Clausan's adjustable, with Metal Ring for Face Piece	2
3.	A) Endotracheal Catheters, Regill's '12 Sizes No.00 to 10.	2
	B) Endotracheal Catheters, with Inflating Cuff set of 12 Sizes No.00 to 10.	2
	C). Endotracheal Catheters, with inflating Cuff Sizes No.6,7,8,9.	2
4.	Forceps Magill's Endotracheal Catheter introducing for	2
5.	Forceps Tongue	2
6.	Mouth Gag. Deyen's with cam grip each two sizes. (children's and adults)	2
7.	Needles spinal Howard, Jones 3-1/2" Length SWG 22	6
8.	Needles spinal Howards, Jones 3" Length SWG 22	6
9.	Cylinders Oxygen 48 cu.ft.	6
10.	Cylinders Oxygen Adjustment Valve for	6
11.	Amboo Resuscitator Complete set	1
12.	Tissue Allis Box joint. 3x4 Teeth 6"	6
13.	--do-- 8x7 7"	6
14.	Knife Amputation. (Lister's) 7" Blade Solid Forged	1
15.	Knife Handle, B.P. Type No. 4	4
16.	Knife Handle B.P. Types No. 3	4
17.	Knife Type B.P. Blade, for size 9,11,12, 15,17,18, Packets of 6	6pkt
18.	Needle Holder, Bozemann's 8-1/4	2
19.	Needle holder mayo 5-1/2	2
20.	Needles suture, Cutting, Straight, 3 sizes SMALL MEDIUM AND LARGE (EACH SIZE).	2pkt
21.	Probe Silver 6".8". 12"	3
22.	Retractor wound, Double Ended, Parkers Blade 5/8" Size 5" long	2
23.	Retractor Abdomen, Morris, 2" Deep 2" Blade	2
24.	Razor Safety	2
25.	Scissors Dressing Straight. Both Points	4

LIST OF EQUIPMENT AND FURNITURE

SR. NO.	STANDARD LIST OF EQUIPMENT & FURNITURE AT R.H.C	STRD. QTY.
	BLUNT 5 1/4"	
26	-DO- One point sharp 5-1/2"	4
27	-DO- Curved on Flat, Blunt pointed 5"	2
28	-DO- Curved Strong 7"	2
29	Scissors Bandage, Fister, 6"	4
30	Suction Unit Foot Operated, Portable Complete with Accessories	2
31	Suction Unit Portable, Electric (Roberts) For Bedside Use	1
32	Tourniquet, Rubber, with Finger Grip. Max Page.	4
33	Trocar Ascites, with Cannula Size 9.12	2
34	Trocar Abdominal with Cannula Curved Size 6"	2
35	Duodenal Tube, Ryle's I) 31" Long Rubber/Nylon II) 42" Long Rubber/Nylon	6 6
36	Tube Stomach Siphon, with Gage I.R. I) 30" Long for Children II) 60" -do-	2 2
37	Tube Rectal (Flatus I.R. I) Size 16 Charriors Gauge II) Size 22 Charriors Gauge	2 2
38	Short proctoscope Kelly's 5" Long 7.8" Diameter	1
39	Syringes Haemorrhoids, Injection for With Two Straight and One Angled Needles in case	1
40	Catheter Metal, Cannula Type, Curved Bladder irrigation for 4 sizes	4
41	Catheter Females metal 12 F.R	4

LIST OF EQUIPMENT AND FURNITURE

SR. NO.	STANDARD LIST OF EQUIPMENT & FURNITURE AT R.H.C	STRD. QTY.
42	Catheter Foley's Balloon Retaining 2 Ways With 30cc bag, sterilizable, size 16.20 24.28 assorted	12
43	Catheter Foley's Introducer for	2
44	Foreeps Bone Cutting Straight 7"	1
45	Foreeps Bone Cutting curved on flat 9"	1
46	Foreeps Bone Cutting angled to right 9"	1
47	Saw amputation, Bateher's with set of 3" blade	1
48	Knife Plaster outing for	1
49	Plaster shear, Loren's with shoe to blade 15"	1
50	Crutches adjustable	2
51	Foot piece, Sinclaris to clip Thomas splint	1
52	Splint Aeroplanes, Bohler's for fractious/ Neck of humerus 1. Right Arm	1
	2. Left Arm	
53.	Splint Thomas, Leg	2
54.	Splint Gooch's wooden roll 36" x 18"	2
55.	Sterilizer Dressing, High Pressure Vertical type to operate at 20 Lbs: steam pressure and vacuum. Size 15" diameter, 24" deep, electrically heated/Gas heated	1
56.	Drums Sterilizing size:- i) Large.....4 ii) Medium.....2	4 2
57.	Drums sterilizing stand, for two large sizes drums pedal operated	2
58.	Drums -----do-----medium --do--	2

SR. NO.	STANDARD LIST OF EQUIPMENT & FURNITURE AT R.H.C	STRD. QTY.
59.	Table Operation on hydraulic pump base with Pedals to raise and lower adjustable various positions for general surgery with necessary accessories i.e Shoulders rests, Lithotomy stirrups, Anesthetists screen, Arm support, Douche Funnel Headrest for Bronchoscope, a stand for accessories and sponge rubber pads.	1
60.	Lamps Operating Shadowless Ceiling Suspension fixed, adjustable to various angles to function on mains and emergency supplies with 24 spare bulbs	1
61.	Lamps examination on stand	2
62.	Lamp Petromex.....2	2
63.	Cabinet Instruments and cupboards, 30" x 24" x 14" having 3 glass shelves above and cupboard below, 20" x 24" x 14 with 1 shelf.	2
64.	Cabinet Instruments, 2 glass shelves glass door and sides, 16" x 14" 10" with brackets to fix to wall	2
65.	Sound for stone female with flat handle 4 size, 4,6,8,10 E. 236 PE 29	2
66.	Female Metal Catheter, F 201. F 203, F 204, F28	1
67.	Singley's Vaginal Dressing Forceps F 22 F3	1
68.	Anwards Weighted Vaginal Speculum F26, F5	1
69.	Sims Duckbill Specula single ended F41, F7	1
70.	Cusco's Vaginal Speculum, F50, F8	1
71.	Sim's Uterine Curettes Sharps 3 size F 73, F10	1
72.	Flushing Curettes with blunt edge 3 size F 75, F10	1
73.	Mobile Emergency Shadowless operating light with built in mobile battery charger Ni-cad battery	1
	And automatic charger	
74	Bonneys Uterine Polypus Forceps, F 84, F 11	1

LIST OF EQUIPMENT AND FURNITURE

SR. NO.	STANDARD LIST OF EQUIPMENT & FURNITURE AT R.H.C	STRD. QTY.
75	Foctal Stethoscope	1
76	Martin Pelvimeter External F 158, F 23	1
77	Drew Smythe's Curved inducting catheter F 161, F 23	1
78	Demam's Perforater F 165, F 23	1
79	Andorson's obstetric Forceps F 172, F 25	1
80	Hedarhath Das, Bengat Forceps F 179, F 25	1
81	Uterine Scissors Straight with blunt point F 188, F 27	1
82	Uterine Scissors Curved F 189, F 27	2
83	Epiziotomy Scissors F 193, F 27	1
84	Ovun Forceps of 199, F 198, F 28	2
85	Lithotomy Farequs set complete	1
86	Torches	1
87	Stethoscope	3
88	B. P. Operates	1
89	Diagnostic Set	2
90	Dropper Pettles	6
91	Kidney Trays S.S.	6
92	Cheatle Forceps	4
93	Rectangular Trays S.S Different sizes	4
94	Bowls S.S with cover medium size	3
95	Forceps Plain 6"	4
96	Bowls S.S with cover small size	3
97	Forcep Toothed 6"	4
98	Artery Forceps Mosquito straight	12
99	Artery Forceps Mosquito curved	12
100	Needle Holder Eye	2
101	Chalezion Forceps (3 different sizes) (Mid. Size)	1
102	Chalezion Scoop (3 sizes)	1
103	Epilation (Cilla) Forceps Round Jaw	1
104	Lachrymal Probes (Assorted)	1
105	Lachrymal Syringe	1
106	Examination Trolley (steel)	1
107	Revolving Stools (Stainless Steel)	3
108	Sterlizers (each measuring approximately 18"x9" x 9")	3
109	Viewing Boxes	1
110	Kidney Trays	4
111	Tongue Depressors	6
112	Nasal Specula	6
113	Aural Specula	6
114	Pest Rhinoscopy Mirrors	6
115	Layngeal Mirrors	6
116	Nasal Dressing Forceps	2
117	Aural Dressing Forceps	2
118	Dressing Scissors Straight with both edge blunt 6"	2
119	Dressing Scissors with two sharp points 6"	2
120	Ramsay's Disecting Forceps	2

LIST OF EQUIPMENT AND FURNITURE

SR. NO.	STANDARD LIST OF EQUIPMENT & FURNITURE AT R.H.C	STRD. QTY.
146	Film Holding Clips	12
147	Film Comer Cutter	1
148	Radiation Protective Apron (Lead Rubber)	1
149	-do- Gloves -do-	1
150	Adoption Goggles	
151	Radiation Badges for Warders, in X-Ray Deptt	4
152	X-Ray Film Illuminator (single) (including Requirement for other sections of the Hosp)	2
153	Magnifying Glass	1
154	Burette Stand	1
155	Brushes Assorted (Test tube, Bottles, Flasks, Burette etc.) Dozens	1 each
156	Centrifuge	1
157	Pestle and Mortar Large	
158	Pipette racks / stand	1
159	Pricking lancets packet of 1000	1
160	Spirit lamps /Gas burners	1
161	Test tube holder	1
162	Urinometer	1
163	Alouminometer Esbach	1
164	Beakers 50 ML	1
165	Beaker 250 ML	1
166	Beaker 100 ML	2
167	Beaker 50 ML	2
168	Cover slip class one	2
169	Cylinder for Graduated G.S..... 500 ml	1
170	Cylinder for Graduated G.S.....10 ml '	15
17t	Funnel 7" dia	1
172	Glass Rods, assorted, Lbs	1 lbs
173	Pipettes Graduated 10 ml	6
174	Pipettes Graduated 1 nil	6
175	" " 0.5 ml	6
176	" " 0.2 nil	2
177	Pipette Blood 0.2 ml	1
178	Slides Microscopic Cross	1/2
179	Test Tubes 6'x 8" Cross	1
180	Test Tube 4" x 112" Gross	1
181	Urine Glass No.	12
182	Chamber Neubaur	1
183	Chamber Neubaur cover slips for Oxs	1/2
184	E.S.R. Stand for 10 Tubes	1
185	E.S.R. tubes	12
186	Homoglobinometer Sahli's s (complete)	1
187	" " Tubes for	1
188	" " Pipettes for	1
199	Microscope Binocular	1
190	" Lamp for	1
191	Pipette RBC	3

LIST OF EQUIPMENT AND FURNITURE

SR. NO.	STANDARD LIST OF EQUIPMENT & FURNITURE AT R.H.C	STRD. QTY.
192	" W BC	12
193	Racks test Tubes wooden	1
194	Sterilizer Electric	1
19a	Needles Stand Puncture	1
196	Capillary Tubes for Capillary Hematocrit and clotting time packets	2
197	Percussion Hammer	4
198	Deuch Cane	1
199	Infant Bath Tube	1
200	Infant suction tube	2
201	Invalid Chair/Wheel chair	1
202	Strature with trolley	1
203	Stands curtain screw	2
204	Spray Pumps for Insecticides	1
205	Post mortem table & set (without set)	1
206	Rubber goods box	1
207	Dispensing table	1
208	Cervical cautry	1
209	Balance Lab. with weights	1
210	Comparator, HP with test papers	1
211	Hemacytometer complete set	1
212	Labour Room Delivery Table	1

FURNITURE AND LINEN

1	Chair Office	20
2	Table office with drawers	8
3	Examination Couch	3
4	Mattresses Foam	20
5	Mattresses Cover	40
6	Blankets	60
7	Bed (fowler)	10
8	Bed Iron	10
9	Showel	2
10	Pick Axe	4
11	Bucket GI 4 Gallons	8
12	Almirah Steel 6' x 3' x 1½	6
13	Bench with back	8
14	Bed Side Locker	20
15	Baby Cots	2
16	Bed Sheets	60
17	Draw Sheets	60
18	Pillow Foam	20
19	Kurtas	20
20	Pajamas	20
21	Pillow Covers	40
22	Durries	20
23	Dusters	20
24	Overalls	15
25	Physicians Coats	10

26	Towels	20
27	Table Cloth	50
28	Waste Paper Basket	10
29	Spa[Dish	6
30	Towel Stand	4

Required Specification of Mobile Portable X-Ray Unit 300 MA.

PVMS No. 25009	Approved Pannel: Toshiba, Siemens, GE/CGR, Pickers, Trophy, Philips.	Quantity	M/S. Make: Model: Origin: Price:
	Mobile Portable X-Ray Unit 300 MA.	01	
	Mobile X-Ray Unit Tube Current Minimum 300 MA or more/ 125 KV High		
	High frequency microprocessor controlled generator.		
	Battery/ Main operated 220-V/ 50 Hz single phase.		
	Focal Spot 0.8 mm.		
	X-Ray Tube with rotating anode should have 80-120 KHU anode heat storage capacity		
	Automatic voltage stabilization.		
	Short exposure of 2m. Sec. Line voltage tolerance+ /- 10% Cross arm should have adequate parking facility during transportation for the safety of tube head.		
	Collimator should be rotatable (+/-90deg).		
	The generator must be automatically programmable.		

Required Specification of Ceiling Shadowless Operation Light.

PVMS No. 05003	Approved Pannel: Honaulux, Amsco, Alm, Martin, Angeneux, Castlé MDT*, Dr. Mach.	Quantity	M/S. Make: Model: Origin: Price:
	Ceiling Shadowless Operation Light.	01	
	Shadowless Operating Lamp (Ceiling Type).		
	Shadowless Operating lamp for counter/ spring balanced ceiling suspension, consisting of a main lamp, head hermetically sealed and dust proof supported by a standard type arm. Light intensity min. 100000/- lux at 1 meter distance. Colour rendering index, 90 (atleast). Colour temperature 4100-4500 Kelvin. Field illumination adjustable anywhere between 20-40 cm. Rise intensity. Bulb life min. 2000 hours. complete with transformer for 220V/50Hz AC with sterilizable handles. Conform to IEC-601-1 standard 220V/50Hz AC. complete ready to use:		
	OPTIONALS:		
	1): CCTV System for Operation Theatre. Specifications of CCTV System according to requirement of I/O.		
	2): Centre Mounted or Track Mounted (I.O. to Specify).		
	3): Main light and setalite combination Model with 50000 Lux having the same parameters as of main light.		

	(Local subject to approval sample).	Quan	Model: Origin: Price:
	Multipurposes Mechanical Hydraulic Sectional Operation Table.	O1	
	Multipurposes Mechanical Hydraulic 4/5 Sections excluding Headrest - Split leg if available will be counted as one section, body elevator Hydraulic lift height adjustment from 750-1000mm, trendelenburg and reverse trendelenburg minimum position between +25/-25 Deg. Lateral tilt min. 15 deg. either side. Back raise 65 deg. complete with arm wristlet, body straps, anaesthesia screen, headrest, Lloyd Davis leg rest or similar, knee crutches with mattress washable and antistatic. Table trunk must be removeable or later rotatable. X-Ray/ Radiotranslucent Table top & X-Ray cassettes sliding frame. Conform to IEC-601-1 Standard.		
	Orthopaedic attachment and extension, mobile for orthopaedic surgery to provide facilities for image intensifier, ideally positioned for hip, lower limb and upper arm surgery and to include positioning for closed nailing technique. Steel structure should be stable & rigid to allow accurate positioning, precise manipulation & traction, adjustable for height, abduction, trendelenburg positioning & lateral tilt. Tripartite arrangement of centilivory, designed for use with all operation tables, with slide rails for fixation of accessories, extension rotation 190 Deg. including: Extension unit for lower limb, & upper limbs, Traction boots for adults & children, knee supports, rotational head support, pelvic support for adults & children, Antistatic rubber pad.		

Required Specification of ENT Table

PVMS No. '05004(G)	Approved Panel: Alm, Maquet, Eschman, Thackray, Blanco, Schaerer, Sewmacreison & Sordina	Quantity	M/S. Make: Model: Origin: Price:
	Radio translucent table and X-Ray cassette tunnel, electro hydraulic movements by 12/24 V batteries/charger and automatic emergency system with X-Ray cassette tunnel.	O1	
	Electrical hydraulic pump 12/24 volts, Movements selection with remote control, table rising/lowering, trendelenburg and reverse Trendelenburg, Right side/left side, raising/lowering of the back section raising upto 65 deg raising/lowering of pelvis section, raising/lowering of the leg section.		
	3 sections excluding head rest, split legs, if available, will be counted as one, table top with antistatic radioluscent material.		
	Height adjustment 750-1000 mm. Fixed base with motorized column or mobile stable base with floor locking for operation 220/240 V 50 Hz AC.		
	Complete with all essential components including.		
	Special multimovement headrest and accessories for ENT		
	Accessories trolley		
	Flexible anaesthesia screen		
	Adjustable and titillating pelvis support with integrated pad		
	Adjustable wrist fastener complete with fabric belt		
	Legs and abdomen fastener		
	Pair or adjustable shoulder support with pads		
	Pair of adjustable and articulated knee crutches with pads and belts.		
	Arms rest with pads belt and clamp		
	Adjustable bottle holder rod		
	Clamps		
	Any other accessory based on atleast 3 manufacturers on panel		
	OPTIONALS:		
	Remote Control		
	Rotatable tabletop 360 deg. (If available with atleast 3 manufacturers of the panels)		
	Temperature regulator with warming / thermal pads for paediatrics.		

Required Specification of Mobile Portable X-Ray Unit 300 MA.

PVMS No. 25009	Approved Pannel: Toshiba, Siemens, GE/CGR, Pickers, Trophy, Philips.	Quantity	M/S. Make: Model: Origin: Price:
	Mobile Portable X-Ray Unit 300 MA.	01	
	Mobile X-Ray Unit Tube Current Minimum 300 MA or more/ 125 KV High		
	High frequency microprocessor controlled generator.		
	Battery/ Main operated 220-V/ 50 Hz single phase.		
	Focal Spot 0.8 mm.		
	X-Ray Tube with rotating anode should have 80-120 KHU anode heat storage capacity		
	Automatic voltage stabilization.		
	Short exposure of 2m. Sec. Line voltage tolerance+ /- 10% Cross arm should have adequate parking facility during transportation for the safety of tube head.		
	Collimator should be rotatable (+/-90deg).		
	The generator must be automatically programmable.		

Required Specification of Ceiling Shadowless Operation Light.

PVMS No. 05003	Approved Pannel: Honaulux, Amsco, Alm, Martin, Angeneux, Castlé MDT*, Dr. Mach.	Quantity	M/S. Make: Model: Origin: Price:
	Ceiling Shadowless Operation Light.	01	
	Shadowless Operating Lamp (Ceiling Type).		
	Shadowless Operating lamp for counter/ spring balanced ceiling suspension, consisting of a main lamp, head hermetically sealed and dust proof supported by a standard type arm. Light intensity min. 100000/- lux at 1 meter distance. Colour rendering index, 90 (atleast). Colour temperature 4100-4500 Kelvin. Field illumination adjustable anywhere between 20-40 cm. Rise intensity. Bulb life min. 2000 hours. complete with transformer for 220V/50Hz AC with sterilizable handles. Conform to IEC-601-1 standard 220V/50Hz AC. complete ready to use:		
	OPTIONALS:		
	1): CCTV System for Operation Theatre. Specifications of CCTV System according to requirement of I/O.		
	2): Centre Mounted or Track Mounted (I.O. to Specify).		
	3): Main light and seltalite combination Model with 50000 Lux having the same parameters as of main light.		

	(Local subject to approval sample).	Quan	Model: Origin: Price:
	Multipurposes Mechanical Hydraulic Sectional Operation Table.	O1	
	Multipurposes Mechanical Hydraulic 4/5 Sections excluding Headrest - Split leg if available will be counted as one section, body elevator Hydraulic lift height adjustment from 750-1000mm, trendelenburg and reverse trendelenburg minimum position between +25/-25 Deg. Lateral tilt min. 15 deg. either side. Back raise 65 deg. complete with arm wristlet, body straps, anaesthesia screen, headrest, Lloyd Davis leg rest or similar, knee crutches with mattress washable and antistatic. Table trunk must be removeable or later rotatable. X-Ray/ Radiotranslucent Table top & X-Ray cassettes sliding frame. Conform to IEC-601-1 Standard.		
	Orthopaedic attachment and extension, mobile for orthopaedic surgery to provide facilities for image intensifier, ideally positioned for hip, lower limb and upper arm surgery and to include positioning for closed nailing technique. Steel structure should be stable & rigid to allow accurate positioning, precise manipulation & traction, adjustable for height, abduction, trendelenburg positioning & lateral tilt. Tripartite arrangement of centilivory, designed for use with all operation tables, with slide rails for fixation of accessories, extension rotation 190 Deg. including: Extension unit for lower limb, & upper limbs, Traction boots for adults & children, knee supports, rotational head support, pelvic support for adults & children, Antistatic rubber pad.		

Required Specification of ENT Table

PVMS No. '05004(G)	Approved Panel: Alm, Maquet, Eschman, Thackray, Blanco, Schaerer, Sewmacreison & Sordina	Quantity	M/S. Make: Model: Origin: Price:
	Radio translucent table and X-Ray cassette tunnel, electro hydraulic movements by 12/24 V batteries/charger and automatic emergency system with X-Ray cassette tunnel.	O1	
	Electrical hydraulic pump 12/24 volts, Movements selection with remote control, table rising/lowering, trendelenburg and reverse Trendelenburg, Right side/left side, raising/lowering of the back section raising upto 65 deg raising/lowering of pelvis section, raising/lowering of the leg section.		
	3 sections excluding head rest, split legs, if available, will be counted as one, table top with antistatic radioluscent material.		
	Height adjustment 750-1000 mm. Fixed base with motorized column or mobile stable base with floor locking for operation 220/240 V 50 Hz AC.		
	Complete with all essential components including.		
	Special multimovement headrest and accessories for ENT		
	Accessories trolley		
	Flexible anaesthesia screen		
	Adjustable and titillating pelvis support with integrated pad		
	Adjustable wrist fastener complete with fabric belt		
	Legs and abdomen fastener		
	Pair or adjustable shoulder support with pads		
	Pair of adjustable and articulated knee crutches with pads and belts.		
	Arms rest with pads belt and clamp		
	Adjustable bottle holder rod		
	Clamps		
	Any other accessory based on atleast 3 manufacturers on panel		
	OPTIONALS:		
	Remote Control		
	Rotatable tabletop 360 deg. (If available with atleast 3 manufacturers of the panels)		
	Temperature regulator with warming / thermal pads for paediatrics.		

Artema, Fukuda Me and MDE.	Qua	Model: Origin: Price:
Patients Monitor. Central Monitoring System 4 bed. ECG, SPO2, NIBP, Resp+Tempe (Optional).	03	
Multi-channel central station for bedside monitors in PV No 28004		
OPERATING FEATURES AND CHARACTERISTICS:		
Colored Monitor.		
Resolution Minimum 1024 X 1024.		
Laser Printer or Recorder.		
For connection to. Choice to be indicated below.		
4-Bedside monitors with 15 inch CRT Or 12-Inch TFT Min. Central Station Monitor		
8- Bedside monitors with 17 Inch. CRT Min. Or 15 Inch TFT central station monitor.		
16-Bedside monitors. with 21 inch CRT or 19-Inch TFT min. Central Station Monitor.		
PARAMETERS:		
Selectable display of all parameters of bedside monitors as selected.		
ALARMS:		
All parameters alarms on central station monitor with bed No. identification.		
All alarms of each bedside monitors selectable from central workstation.		
OTHER FEATURES:		
Keyboard and mouse Or touch screen.		
Trend data: graphical and tabular upto 24 hrs.		
Arrhythmia Analysis Feature.		
OPERATING REQUIREMENTS:		
AC 220V/ 50Hz.		
Built-in battery and charger for at least 1 hr on AC power failure at full parameter.		
OR Imported full sine wave UPS (individual UPS will be supplied with each monitor).		
OPTIONAL ITEMS To be marked if required.		
Full Disclosure Feature.		

Required Specification of Difibrillator.

PVMS No. 28007	Approved Pannel: MRL, Fukuda Denshi, Nihon Kohden, Burdik, Artema, Physiocontrol, Mde.	Quantity	M/S. Make: Model: Origin: Price:
	Difibrillator.	01	
	Defibrillator with Montor and recorder synchronized cardioversion.		
	OPERATING FEATURES AND CHARACTERISTICS:		
	Non Fade Display.		
	Monophasic transthoracis (external) defibrillation waveform delivery system.		
	Cardio Version: Defibrillation output synchronized to ECG, with sync indicator.		
	Energy Charging: Control on front panel and apex paddle.		
	Charge Indicators: Visual indication of charging process.		
	Audible indication of charge up to selected energy level.		
	Selected energy level value displayed on monitor.		
	Charging Time: less than 10 sec for 360 joules.		
	Energy Delivery: Contrl on Sternurn & Apex Paddle.		
	Waveform Trace speed, 25 mm/ Sec.		
	Screen Size: Approx. 5 Inch. Diagonal.		
	PARAMETERS:		
	ECG:		
	Numeric: Heart Rate.		
	Waveform: ECG Trace.		
	Lead Selection: Paddles and lead I, II & III through patient cable.		
	Variable gain: to adjust size of ECG wave form.		
	OUTPUT PARAMETERS:		
	ENERGY:		
	Delivered Energy, Adjustable from 5 to 360 joules for external defibrillation		
	Adjustable from 3 to 50 joules for internal / Pediatric Defibrillation.		

	Recorder Speed: 25 mm/Sec.		
	OPERATING REQUIREMENTS:		
	AC 220V / 50Hz.		
	Built-in Rechargeable battery with charger for minimum 25 shocks at max. energy.		
	OPTIONAL ITEMS: To be marked if required.		
	External Pediatric Paddles attachment.		
	Internal Paddles adult with discharge buttons.		
	Internal Pediatric Paddles with discharge buttons.		
	Remote external defibrillation system with disposable difib patches (I.O. to specify quantity).		

Required Specification of E.T.T. Machine.

PVMS No.		Quantity	M/S. Make: Model: Origin: Price:
28011	Approved Pannel: Fukuda Densai, Quinton, Siemens, Burdik Nihon Kodan.		
	E.T.T. Machine.	01	
	Computerized Stress Test System with Treadmill.		
	OPERATING FEATURES AND CHARACTERISTICS.		
	Analysis: of ST levels, ST slopes, and ST-Index etc.		
	Report: 12 leads, rhythm and full disclosure arrhythmia, and exercise summary.		
	MONITOR:		
	Size: 9" or more high resolution.		
	Monitor for simultaneous display of 3/6/12 channels.		
	Defibrillator protection.		
	Display of Exercise time stage No. Stage time, Heart rate, Speed etc.		
	Display of Trends of Heart Rate, ST Levels etc.		
	TREADMILL (Medical Grade USA, EEC, Jap.)		
	Treadmill Controllable from main unit.		
	Speed adjustable from 0-10 mph approx.		
	Elevation 0-20 degrees approxi		
	Standard program protocols.		
	Emergency Stop Button.		
	Side and front rail.		
	Bearing capacity of 350 Lb.		
	User programmable protocols and reports.		
	RECORDER:		
	Simultaneous recording for at-least 6-channels at a time		
	ECG recording Trace speed: 25 and 50 mm/sec.		
	PARAMETERS:		
	12 lead ECG, through patient cable (Dedicated Stress test patient cable)		
	Numeric: Heart Rate updated average.		
	Waveform: Real time 3/6/12 lead and freeze of ECG Trace.		
	Lead Inputs: Lead I, II, III, aVR, aVL, aVF, VI, V2, V3, V4, V5 & V6		
	Variable gain: 1/2, 1.2 cm/mV.		
	OTHER FEATURES:		
	Display of Exercise time, stage no, stage time, heart rate, speed etc.		
	Display of Trends, Heart Rate ST Levels etc.		
	AC interference filter.		
	Automatic baseline drift control filter.		
	Complete with standard accessories including patient cable.		
	OPERATING REQUIREMENTS:		
	ac 220v/ 50Hz.		
	Build in rechargeable battery / UPS (Imported) for at least 30-minutes for CPU monitor and recorder.		
	OPTIONAL ITEMS: To be marked if required.		
	Data: Storage and analysis for at least 10-Patients.		

	Toshiba, Siemens, G.E./GCR, Kontron, Aloka, Philips	Qua	Model: Origin: Price:
	Fully Digital 256-Channel Cardiac ultrasound system having 2D/M mode and doppler facilities (PW, CW and Colour flow Imaging) with a high resolution imaging and doppler signal quality Employing 2.5-12 M Hz system capability with sector probes. Machine must exhibit the following functions	O1	
	1) B. Mode Specification		
	Sector Scan Angel 45-90 degree in steps		
	Viewing depth: 24cm or more (Both in black & White and colour)		
	Frame Rate: 150 F Bu/SEC or more		
	Built in cine loop with ability to very reverse and slow motion of display		
	internal memory 250 or more colour Frames		
	Real time and freeze Image Magnification facility at least 6x		
	Pre and post processing of image to improve resolution		
	2) M Mode Specification		
	Magnification: 2x or more		
	Swap speed: Slow Medium and Fast		
	3) D Mode Specification		
	Pulse Wave Doppler		
	Measurement Velocity Range: Max 4.5 or more M/SEC; must have doppler beam steering		
	Continuous wave doppler		
	On line 2 port or more (including one for blind/pencil probe)		
	Measurement velocity range: Steerable Max 12 M/Sec or more		
	Must have doppler beam steering and BI-Directional Stereo-Audio		
	Colour Doppler		
	Both CW and PW Doppler must be continuous steerable in the color blood flow image mode in real time		
	Colorized spectrum display		
	Simultaneous display of 2D and color 2D image to avoid color smudging in vessels		
	Tissue Harmonic with two frequency		
	Scanning angle: 20-70 Deg or more		
	2D imaging with color CW/PW doppler		
	2D image with color flow		
	Power doppler with directional flow		

4) Measurement Package:

	To provide comprehensive software package for measurement of distance, Circumferences, Area, Time Depth, Velocity, Frequency, Heart Rate, Columns, E.F.F.S Cardiac output pressure gradients (Peak/Mean) pressure Half time.		
	5) System Complete with Following Facilities and Accessories		
	15" Inches or more color Monitor		
	ECG and PCG (Including Cables and Transducers)		
	Foot Switch		
	Minimum simultaneous online 4 ports for transducers (inclusive of pencil probe)		
	6) Upgradability		
	System Must be upgradable through MOD		

single/multifrequency probe having B-Mode, PW, CW and color flow imaging facility		
8) Standard Recording Devices		
Thermal Paper printer with ten rolls of paper (Black & White) computer for reporting P.IV or better		
17" Color Flat screen monitor		
40 GB hard Disk		
Standard floppy Drive		
Re write Able CD recorder		
DVD Rom Player		
Hp Laser Printer (Black & White)		
Thermal Printer color with One Box of 100 Sheets		
Professional VHS Video recorder		
Built in Mod drive for Digital image storage		
9) Optional Items Required		
Linear Probe for vascular imaging with minimum multifrequency range of 6.0/9.0/11.0 M Hz or better		
Tissue doppler imaging is required		

Required Specification of Special Bed for Cardic Patients (CCU).

PVMS No. 28041	Approved Pannel: Imported	Quantity	M/S. Make: Model: Origin: Price:
	Complete CCU/ICU bed with following positions and features:-	12	
	POSITIONS:		
	Height Adjustment: By foot pump (Imported) 40-75 cms hydraulically operated		
	Horizontal Tilting: Leg up 30 degree, leg down 20 degree controlled by a Bloc-o-lift gas spring with step less movement with foot operate lever on foot side		
	Knee Brake Adjustment: By gas spring mechanism by hand operated lever on both side		
	Back Rest: By means of Gas shock upto 70 deg by hand operated on both sides		
	Castors: 5" ball bearing rust proof water proof high quality electrically conductive wheel castors with central brake system		
	Head raise and Knee raise by gas shock mechanism to make a fowler position.		
	Vascular position by means of lever or comb mechanism		
	Bedding area should be radiotranslucent (Bacelite or Melamine material) for doing X-Ray and to apply "C" arm		
	Base and back rest should be designed to accommodate "C" arm in case of emergency. For cardiac catheterization and other procedures so the central area of back rest should be free of any metal part for "C" arm radiography		
	Should have cardiac chair position		
	Head and foot bows should be detachable in case emergency for doing intubation and CPR		
	Dimensions: Bedding area 200 cm x 91 cm Height 40-75 cms adjustable		
	Main Frame: 1" x 2" 16 SWG pipe round at all corners having a single unvisible joint		
	Base Frame: Frame made of 1-1/2" x 3" MS pipe 16 SWG "U" shaped		
	Finish: Polyester powder coating finish after treating with derusting and phosphating chemical.		
	Side Rail: Collapsible in 2 steps made of 1" upper 3/4" 16 SWG supporting pipe and base 1-1/4" x 1/4" MS plate		

	Patients lifting pole S.S 3/4" on head side with triangular grip		
	Mattress: Foam 4" 1st quality with rexine cover		

Required Specification of General Purpose Steam Sterilizer

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
05015	Imported of Europe USA & Japan Origins (Local subjected to approval of sample by the competent standardization committee)		
	Steam Sterilizer. The inner chamber of 304 L or equivalent material, horizontal type, steam generator, with pressure gauge, safety valve, low water cut off. Valve, temp, gauge/display temperature 121 to 127 Deg. C. Working pressure 1.0 kh/Cm2 for operation 220 V 1 Phase 50 Hz or Gas. Capacity 50/70 or 100/125 litre (1.0 to specify) with two removable shelves. Boster pump (1.0 to specify electri or gas version)	01	
	H2O filtration of water softening arrangement.		

Required Specification of Vertical General Prupose Steam Sterilizer

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
05015-A	Imported of Europe USA & Japan Origins (Local subjected to approval of sample)		
	Vertical Steam Sterilizer Automatic. Capacity 30-60 litre (1.0 to specify the required capacity) Usable Sterilization pressure 1.0 kg/Cm2 121 Deg. C, 1.5 Kg/cm2-127 Deg. C, adjustable. Stainless steel chamber, pressure and temperature indicator/gauge with built in imersion type sheated heater. Safety breaker cut off in case of short circuit, over current or electricity leakage of heater. With stainless steel wire baskets, bottom container, rubber hose, electric cord and spare element, and silicone rubber lining 220V/50Hz.	01	
	OPTIONAL		
	Gas Operated.		

Required Specification of Autoclave Electric

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
16054	Imported, USA, EEC, Japan Local (Subject of approval of TSC)		
	Vertical type electrically heated elements complete with all accessories rubber inner temp range max 127 - 2% Deg. C, Pressure 1.5kg/Cm2 safety device pressure gauge temperature indicator. Capacity 15-80 Liters to be given by 1.0 at the time of indent based on more than three manufacturers.	01	

Required Specification of Autoclave Gas Heated

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
16055	Imported, USA, EEC, Japan Local (Subject of approval of TSC)		
	Vertical type gas heated complete with all accessories and one spare set or rubber liner safety device. Pressure gauge. Temperature indicator temperature range max 127 - 2% Deg. C, complete Capacity 20-28 liter to be specified by 1.0 al the time of indent based on more than three manufacturers.	01	

Clinical Variables Programmes.

PVMS No. 32012	Approved Pannel: Cobe, Fresenius, Baxter, Gambro, B.Braun, Torey.	Quantity	M/S. Make: Model: Origin: Price:
	Electronic Control of Flow rate and blood flows.	02	
	Variable Bicarbonate Acetate Concentration.		
	Variable Sodium Concentration.		
	Variable Temperature Control.		
	Programmable Ultrafiltration with Control or Varying Rate.		
	Ultrafiltration with or without diffusion.		
	Programmable Heparin Management, with bolus option.		
	Automatic Priming with Display.		
	Video Display for Service Diagnostic and Calibration.		
	Automatic Clean Disinfection and Rines.		
	Blood pump: 50 to 500 ml/ minute.		
	Heparin Pump: 0 to 5.0 cc/ hour.		
	Selectable Dialysate Flow: 600ml/min or above.		
	Temperature Control: Upto 40 deg. C. (Adjustable).		
	Arterial Pressure Monitor: 300 mmHg to +52 mmHg.		
	Venous Pressure Monitor: 52 mmHg to +400 mmHg or above.		
	Ultrafiltration Rate Control: Range of UFR 0.0 to 2.4Kg-hour or above. Balanced ultrafiltration control to eliminate patient symptoms that result from poor fluid management.		
	Air bubble detection: Air bubble detector alarm threshold.		
	Blood Leak Detection: Infrared Type.		
	Conductivity Control: Acetate and Acid Solutions 130 to 150m/EQ/l (bicarbonate Solutions) 20 to 40 mE/l.)		
	Unit Complete with singel needle treatment.		
	WATER TREATMENT UNIT:		
	Complete Central Water treatment unit with prefiltration of charcoal, sand water softner, ultraviolet Sterilizabe automatic water pressure system and R.O./Resin Units (I.O. to Specify), each of hin. 30 liters per hour per machine. Including all P.V.C. Pipe Fittings, tanks, motors, stainless steel pumps and hydraulic fittings on turn key basis. AAMI standard certified for water treatment (Local).		
	NOTE: 1) R.O. Unit to be compatible with Haemodialysis System.		
	2) I.O. to mention about the requirement of water teatment plant whether required or not.		

Required Specification of Water Treatment Unit.

PVMS No. 32013	Approved Pannel: Local.	Quantity	M/S. Make: Model: Origin: Price:
	Water Treatment Unit.	02	
	Complete cntral water treatment unit with prefiltration of charcoal, sand water softner, Ultraviolet sterilizable automatic water press re-system and R.O. / Resin Unit (I.O. To Specify), each of in 30 litres per hour per machine. Including All PVC Pipe Fittings, tank, motors, stainless steel pumps and hydraulic fittings on turn key basis.		

	Interferential Current Maker.	O1	Price:
	Interferential model low frequency therapy equipment combined with the vacuum pump unit so as to execute the interferential electrotherapy and the vacuum suction therapy simultaneously. Both equipment should work simultaneously and separately, Therapeutic frequency: 1-100/200Hz or above selectable at various stage automatic/ manual.		
	Output indicators: Digital.		
	Automatic Timer: Timer by presetting within 30 min. and electronic buzzer/ Alarm. Safety Device.		
	1): L Treatment starting device by zero output power.		
	2): Prevention device for excessive output voltage.		
	B: VACUUM UNIT:		
	Vacuum Intensity: Up to 1Kp/CM or 0-0.5 bar adjustable different level (at least 6)		
	Period of suction stroke. Adjustable. Pulsed & Continuous.-2 Channels.		
	Main supply: 220V 50Hz 1 Phase.		
	STANDARD ACCESSORIES:		
	a): Plate electrode 4 different sizes 2 pairs each.		
	b): Disc Electrode 2 Different sizes.		
	c): Button Electrode 4 Points.		
	d): Suction Electrode 3 Sizes.		
	e): Connection leads for all electrode.		

Required Specification of Short Wave Diathermy with Trolley.

PVMS No.		Quantity	M/S. Make: Model: Origin: Price:
33009	Approved Pannel: Bosch, Frbe, Enruf (Dimeq), Siemens, Mela, ITO.		
	Short Wave Diathermy with Trolley.	O1	
	Apparatus capable of generating automatic tuning short waves for Physiotherapy treatment. Featuring , working frequency 27.12 Mhz. Minimum effecientive powr to patient 375-400 watts (higher range acceptable), therapy treatment timer with automatic stop. cooling system shielding to avoid uncontrolled irradiation anti interference device for radio and video transmission variable and pulsed mode. Alongwith standard accessories 220V 50Hz 1 Phase.		
	1). 2 Electrodes Arms.		
	2). 2 Cables holders.		
	3). 2 Electrodes Cables with Clamps.		
	4). 2 Condensor field electrodes of differencnt sizes.		
	5). 1 indication stick.		
	6). Tools necessary for fixing above.		
	7). Any other accessories according to cataloque.		
	Variations in accessorieses per manufacturers cat. Would be acceptable it meeting the clinical efficiency.		
	OPTIONAL ACCESSORIES:		
	TWO Flexible rubber electrodes (if required).		
	FOUR Felt Spacers		
	Rubber straps.		
	Monopolar Coil Field electrodes with earth connectors. Manopolar filed electrodes (with adjustable treatment places).		
	Plate electrodes made of soft rubber of different size and complete set consisting of felt spacers.		

		Q	Origin: Price:
	Therapeutic Ultrasound with Trolley.	01	
	Operating sound intensity 0/0.2-2/3 W/cm ² WITH DIGITAL DISPLAY plus 3/5 W Frequency 0.8 to 3 Mhz. 220V 50Hz 1 Phase.		
	Timer.		
	ACCESSORIES:		
	1) Alongwith large and small treatment heads.		
	2) Gel.		

Required Specification of Transcutaneous Electrical Nerve Stimulation (TENS).

PVMS No. 33012	Approved Pannel: Imported of USA EEC & Japan.	Quantity	M/S. Make: Model: Origin: Price:
	Transcutaneous Electrical Nerve Stimulation (TENS).	02	
	Form of current rectangular monophasic or spike waves. Power out put 40mA Channel 1 and 2, impulse frequency 1-10 Hz low, 1-100 Hz high pulses per sec. Impulse duration 0.1 0.5 ms. Mains operated 220V 50Hz 1 Phase with battery or external adapter with standard accessories:		
	1) Electrodes all types.		
	2) Tape for electrodes.		

Required Specification of Electronic Stimulator.

PVMS No. 33013	Approved Pannel: Bosch, Erbe, Enruf (Dimeq), Siemen, EMS, OG Gigen.	Quantity	M/S. Make: Model: Origin: Price:
	Electronic Stimulator.	02	
	Stimulatory Current Therapy:		
	Theraputic and diagnostic muscle and nerves stimulator. Digital/ Analog display of voltage. mA and timer. Pulse durtion 1 to 1000 MS. Pulse rectangular. Pulse selectable. Polarity changeable. 220V 50 Hz 1 Phase.		
	SCCESSORIES:		
	Patient Cable.		
	Set of Electrodes of different Sizes as per manufactures catalogues Electrode Connector.		
	Set of rubber straps/ Rubber Strap Perforated.		
	OPTIONAL ACCESSORIES:		
	Handle with finger tip switch and connecting cable.		

Required Specification of Lumbar Traction with Bed & Cervical Traction with Wood Chair.

PVMS No. 33015	Approved Pannel: Imported of USA EEC & Japan.	Quantity	M/S. Make: Model: Origin: Price:
	Lumbar Tradction with Bed & Cervical Traction with Wood Chair.	01	
	Intermittant and continous traction 1 to 90 Kg or more adjustable. Analog / Digital Display of weight.		
	Power supply: 220V 50 Hz 1 Phase. Treatment timer 1 to 60 min. Safety device. Over traction prevention device and remote control switch.		
	Ratio of time of traction and relaxation: Adjustable.		
	NOTE: Variations in accessories as per manufacturers catalogues would be acceptable.		

	Laser. S.	01	Price:
	Laser Therapy Unit:		
	INFRA RED LASER GENERATOR FOR PHYSIOTHERAPY APPLICATIONS:		
	SOURCE = Ga AS LASER DIODE.		
	WAVE LENGTH: 904 NM. 3.5 NM.		
	PULSED MODE WITH 200 N SEC. PULSE DURATION		
	DIA 1 MM AT FOCAL POINT.		
	TIMER: DIGITAL DISPLAY OF ACTUAL TIME		
	RADIATION EFFICIENCY CONTROL DEVICE 220 V/50 Hz. WITH STANDARD ACCESSORIES.		

Required Specification of Infra Red Radiation Lamp with Stand two in Number.

PVMS No. 33018-C	Approved Pannel: Enruf, Med Expo, Hanau.	Quantity	M/S. Make: Model: Origin: Price:
	Infra Red Radiation Lamp with Stand two in Number.	02	
	Stand model. Infra Red and Ultra Voilet Lamps for professional use. The elements to be mounted in heavy duty metal housing/ casing.		
	Burners: i) High efficiency quartz burner for U.V.		
	ii) Quality radiator for I.R., U.V. Filter. Continuously adjustable. UV-0 to 100% Wave length 185-280nm. UV-0 to 80% wave length 280-320nm.		
	Timer: 0-15 min.		
	Capacity: UV+IR = 600 watts approx.		
	IR = 580 Watts Approx.		
	Mains Voltge Supply: 220V 50Hz 1 Phase complete ready to use.		
	OPTION (I.O. To Specify).		
	NV = B&C Mode.		

Required Specification of Wax Bath Wid Wod Stand.

PVMS No. 33020-C	Approved Pannel: Imported of USA EEC & Japan.	Quantity	M/S. Make: Model: Origin: Price:
	Wax Bath Wid Wood Stand.	01	
	Wax bath chamber made of stainless seel with suitable insulation on the neck of chamber.		
	Temp: adjustable ambient to 80 deg. C. approx.		
	Size: 25-50 Litres Approximately		
	Power Supply input: 220V/50Hz 1 Phase.		
	Built in thermostat. Temp. Display: Analog/ Digital.		

	Treadmill.	O1	Price:
	Treadmill Electrical: Used for rehabilitations.		
	Technical Data:		
	Electrically operated (220 V 50Hz 1 Phase).		
	Anti slip rubber walking band.		
	Walking surface: to be specified at the time of indent. Based on minimum three/ four such manufacturers.		
	Linear speed adjustment 0-9 Km/ H approx.		
	Adjustable inclination upto 15 Deg.		
	Gradually adjustable speed.		
	Speed and distance meter.		
	Safety Stop switch.		
	Total security by an ON/OFF key switch.		
	Parallel bars. Adjustable both in height and width.		

Required Specification of Shoulder Wheel Exerciser.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
33027	Imported of USA, EEC & Japan.		
	Shoulder Wheel Exerciser.	O1	
	Exerciser to shoulder joint for increasing range of motion. Strengthening the shoulder muscles and improving the coordination.		
	TECHNICAL DATA:		
	Max. Rotation diameter 1340 cm approx. wooden or steel with vertical adjuster.		

Required Specification of Quadriceps Table. (Shoulder Wheel Adjustable.)

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
33030	Imported of USA, EEC & Japan.		
	Quadriceps Table. (Shoulder Wheel Adjustable.)	O1	
	For gradual training of knee muscles specially quaidiceps.		
	TECHNICAL DATA:		
	(Approximately).		
	Length: 60cm.		
	Width: 55 cm.		
	Height: 70 cm.		
	Weight and power arms should be adjustable at various angles and length. Comfortable back support. Arm rest.		
	ACCESSORIES (STANDARD):		
	Attachment for lower limb: two pairs.		
	Weights 20 piecess 2 Kg each.		
	Weights 10 Piecess 5 Kg each.		
	(Sizes and accessories with various as per manufacturer's cat. Would be acetable without compromising efficiancy).		

	Shoulder Pulley with Wood Chair.	O1	Price:
	Apparatus comprise of pully and its frame attached to wall. Weight one side of pully is pulled by patient through a rope to exercise. Weight 5 Kg 20 No. Weight 2 Kg 10 No.		

Required Specification of Bed Iron (Bed Laws Ontait)

PVMS No. 03003	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subject to approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Dimension: 210cms X 90cms X 55cms. Head Raise Part: 80 cms X 71cms. Main Frame: (Outer Frame) made up of tubular rectangular M.S. Steel pipe 2-1/2" X 1-1/2" 16 SWG (Inner Frame) of 1-1/4" square pipe 16 swg. Bedding area made up of steel planks of 3-4" X 1-1/4 x 1/2" Legs: Recessed legs made of 16 SWG square/ round pipe 1-1/4". Head Raise: Head position should be adjustable with one separate crank system. The crank should be made of fixed pipe of 2" round 16 SWG having suitable bush at end and moving pipe 1-1/4" 16 SWG duly chrome plated. A surface bearing must be fixed for friction free movement. The handle of the cranks should be retractable and collapsible and be made in one piece of 1/2" steel rod.	100	

Required Specification of Bed Fowler.

	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subject to approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Over all dimension: 210cm X 90cm X 55cm, L x W x H.	25	
	Main frame: made of 16 SWG Pipe 2-1/2" X 1-1/2" rectangular pipe section welded to the rounded pipe at corner of 2" 14 SWG having a suitable bush of 1-1/4" bore in upper and lower ends.		
	Mattress Frame: Should be in 4 parts. The second part fixed and 3 moveable parts made of 1-1/4" x 1-1/4" steel square pipe of 16 SWG. The end of each moveable part should be attached to the main frame by means of Bolt.		
	PART SIZES:		
	1) Head Raise Part: 80 cm x 71cm.		
	2) Fixed part: 84cm x 28cm.		
	3) Knee Bridge Part: 80cm x 30 cm.		
	4) Leg Rest Part: 80cm x 48cm.		
	Bed should have trandlenburg/ reverse trandlenburg positions (-10 to +20) by means of comb mechanism. Comb 3/8" with central rod 1/2" steel and staying pain 1/2" duly PVC/ rubber covered.		
	Head raise and knee bridge be made by means of two cranks. The lifting pipe at both places be of 16 SWG across each pannel with triangular brackets of 1/2" x 8" steel plate at head end pannel.		
	The crank should be made of fixed pipe of 2" round 16 SWG having bushes of suitable material at end and moving pipe 1-1/4" 16 gauge chrome plated.		
	A surface bearing must be fixed for friction free movement. The handle of the cranks should be retractable and collapsible and be made in one piece of 1/2" steel rod.		
	All moving parts of the bed should have suitable bushes. Mattress frame should have steel planks of 18 SWG 3"-4" X 1-1/4 x 1/2" folded inside welded in bed sections in breadth with gap of max. 1-1/2"		
	Head and foot parts of mattress frame should have steel brackets joined by means of nuts bolts for keeping the mattress in proper place. Head and foot panels 1-1/4" rounded pipe 16 SWG chrome plated.		
	High quality water proof both side laminated panels. The panels should be fixed and attached to the pipe by means of metal brackets.		

(I.O. to specify if required at the time of indent).

PAINT: Electrostatic Polyester/ Epoxy Powder Coated. Finish off white.

Required Specification of OVER BED TABLE.

	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Table top size: 16" x 16" (H). Made of square pipe size 1-1/4" x 1-1/4" 18 gauge with one support of square pipe 1" x 1" 18 gauge under the top bench legs fitted with rubber shoe. Frame finish with off white coated. Top made of solide wood planks of 2" x 1" with all sides of top covered with solid seasoned wood duly spirit polish.	150	

Required Specification of Bed Side Bench for Patients.

	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Size: 36"(L) x 16" (w) x 16" (H). Made of square pipe size 1-1/4" x 1-1/4" 18 gauge with one support of square pipe 1" x 1", 18 gauge under the top bench legs fitted with rubber shoe. Frame finish with off white coated. Top made of solid wood planks of 2" x 1" with all sides of top covered with seasoned wood duly spirit polish.	125	

Required Specification of Bed Side Lockers. (Table)

	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Size 14" (D) x 33" (H) x 17" (W) made of steel sheet 18 SWG side pipe 1" rounded. Upper One drawer andlower on cabinet attached with rounded pipe by means ofbolts with suitable bushes in between ecessed handles for drawer and canet door. The drawer and door die made with rounded corners. Door of cabinet should be having concealed hinges and magnetic catcher. Top made of stainless sheet 18 gauge and guard rail under neath which there should be water proof board. Finish: Electrostatic polyester/ epoxy powder coated. (Four twin casters local best quality) finish off white.	125	

Required Specification of Stretcher Trolley

PVMS No. 29	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Made in two parts: a) Stretcher removeable (b) Base trolley	10	
	Made from 1-1/4" x 1-1/4" square MS pipe 16 SWG having MS sheet 20 SWG in bedding area with back rest adjustable to 60 degree by means of comb / ratchet mechanism		
	Size: 85cm (H) x 60 cm (W) x 195 cm (L)		
	The Bedding area covered by 2" 1st quality foam rexin cover		
	Having side rail collapsable		
	Stretcher should have roller under neath		
	Stretcher should also have four reflecting bumpers.		
	IV rod provision on both sides an urine bag hooks.		
	Having 6" wheel casters two with brake		
	with utility basket		
	FINISH		
	All metal parts to be chemically degreased / derusted through phosphate treatment and covered with electrostatic polyester powder coating.		

	Made of MS 16 SWG with three side covered Front double door with lock and hinges. Front door having 5 mm glass. Four glass shelves 5 mm. Floor clearance 9" with legs 1-1/4" x 1-1/4" 16 SWG pipe. U-shape Handles/ grip with rubber stumps	O2	Price:
	Size: 1200mm Width 460mm Depth 1800mm Height.		
Required Specification of Dressing Table			
PVMS No. 48	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Size: 80 cm (H), 90 cm x 60 cm surface area. With two stainless steel shelves 16 SWG and drawer. Having stainless steel rail on three sides. With two plastic trays for used instruments and a stainless steel waste bage holder.	O1	
Required Specification of Operation Steps (Double)			
PVMS No. 49	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	Size: 60cm x 30cm x 45cm (L x W x H)	10	
	Frame made of 1" square stainless steel pipe having 2 steps made of S.S 16 SWG.		
Required Specification of Bed Head Ticket/Chart Holder			
PVMS No. 57	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	Made of laminated water proof board both sides rounded edges	125	
	One stainless steel spring grip		
	One rounded bed holder clamp of stainless steel at the back of the spring grip.		
Required Specification of Screen Bed Side.			
PVMS No. 03240	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:
	Screen ward four fold on wheels. Size each fold excludingleg 60" (H) 24" (W), Frame made of 1" dia 16 gauge M.S. tube with plastic coated wire spring for hanging curtain in both side of each fold but without curtain. 6 No. of castors 2" swival type with Antistatic Rubber/ Unbreakable Plastic moulded pak made Superior quality. Legs of U Shape frame 1" dia, 8" (H) and 18" across onlyon central 2 folds. Side folds willhave only one leg each vertically down ward with castros.	26	
Required Specification of Revolving Stool.			
PVMS No. 03375	Approved Pannel: A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)	Quantity	M/S. Make: Model: Origin: Price:

crossed and supported with 5/16" M.S. rods making a diameter of 18" approx. Legs height 6" approx. Including rubber boots & welded with 1-1/2" dia X 15" long 16 gauge M.S. pipe, fitted with 1-1/2" X 2" long nut for worm gear rod. Worm gear to be made of 1" dia M.S. rod welded with stainless steel top seat with 8" dia 16 gauge M.S. sheet plate and covered with 2" dia 18" gauge M.S. pipe 12" long. Minimum Height 20" adjustable to 30".

Required Specification of Transfusion Stand

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
03350			
	Transfusion stand on three legged steel casted base. Dimensions of each leg 1" x 2-1/2" and length 10" long. Each leg fitted with 2" dia. Swivel type antistatic rubber castor wheel. The stand fitted with single cross-arm double-hooked rod, nickel plated, made of 1/2" dia. M.S bar in 1" dia. 16 guge M.S pip. Hight adjustable from 137 cm (54") to 213 cm (84").	08	
	Finish:		
	Red oxide undercoat and white enamelled spray painted		

Required Specification of Instrument Trolley

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
17	A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)		
	Mobile, 4 leg frame made of 18/10 or 18/8 (1.O specify) CrNi steel, pipe 16 SWG all made of stainless steel 1" Dia. Tubular frame forms a safety rail, no sharp edges. Two shelves surface ground to reduce glare, resistant to disinfectants. Instrument trolley, 800 mm high, fitted above and below with frames and shelf 20 SWG made of CrNi steel size 24" x 18", to accept two sterilization tray. Four 75 mm swivel castors, electrically conductive.	02	

Required Specification of Dressing Trolley

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
19	A) Imported Panel, Tente (Germany), Wicke (Germany), Colson (England) & British Castor (England) B) Local with 10 Years warranty (Subjectto approval of TSC)		
	Mobile, 4 leg frame made of 18/10 or 18/8 (1.O specify) CrNi steel, pipe 16 SWG 1" x 1" all made of stainless steel. Tubular frame forms a safety rail; no sharp edges. Two shelves surface ground to reduce glare resistant to disinfectants trolley 800 mm high fitted above and below with frames and shelf 20 SWG made of CrNi steel size 24" x 18" to accept two sterilization tray SS ring for bowl 10" with SS bowl and SS ring for bucket wiht SS bucket. Bottle rack at top shelf. Four 125 mm swivel castors, electrically conductive.	02	

Required Specification of Examination Couch.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
03132			
	Examination Couch.	20	

	<p>Rectangular frame with adjustable head rest, made of 1-1/2" X 1-1/2" steel square section of 16 gauge with a support in the centre of the frame.</p> <p>The legs will be provided with transvers support of 1" x 1" x 16 gauge square sections to strengthen the frame.</p> <p>Top base of 3/4" thick partial wood upholstered making round edges with washable superior quality local made rexine Dark Brown/ Navy Blue with airfoam of 2" thickness of following.</p>		
	Moultly (Master)		
	OR: Supreme (Diamond)		
	OR: Chairman (Mehran)		
	OR: Unifoam (United).		
	Finish: Powder Coated after surifice treatment.		

Required Specification of Orthopedic Standard Fragment Set.

PVMS No.	Approved Pannel:	Quantity	Bio-Star Make Origin Price:
C004-a	Orthopedic Standard Fragment Set.	01	
	(LARGE FRAGMENTS NARROW DCP 4.5 mm)		
	Narrow LC-DCP. Holes 2-16		
	Broad LC-DCP. Holes 6-16.		
	Semi-tubular. Holes 2-12		
	T-Plates. Holes 3-8.		
	T-Buttress Plates. Holes 4-6.		
	L-Buttress Plates. Holes 4-8.		
	(Left). Holes 4-8.		
	Lateral Tibia (Right) Holes 5-13.		
	Head Plates (Right).		
	Head Plates (Left). Holes 5-13.		
	Condylar Buttress Holes 7-9. As specified by the I.O.		
	Plates (Right).		
	Plates (Left). Holes 7-9.		

Required Specification of Orthopedic Small Fragment Set.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
C004-b	Orthopedic Small Fragment Set.	01	
	Small Fragment DCP Holes 2-12 as specified by the I.O.		
	3.5 mm LC DCP (3.5mm) Holes 4-12 as specified by the I.O.		
	One Third Tubular Plate Holes 2-12, as specified by the I.O.		
	T Shaped Plate Holes 3-6 as specified by the I.O.		
	(Right Angled)		
	(Right Oblique). Holes 3-5, as specified by the I.O.		

Required Specification of E.N.T. Chair.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	E.N.T. Chair.	01	
	According to PV Specification		

		Price:
	According to PV Specification	O4

Required Specification of Opteck Retinoscope.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
07015-A	Heine, Neitz, Welch Allyn, Keeler & Carlazeiss		
	Halogen illumination, aperature dial contains small aperture, standard aperture, concentric scale and slit aperture, corrective power range from +25 to -30D or better in one diopter step all optical systems are totally enclosed in the instrument head, 6 spare bulbs and a case complete	O2	
	Streak Retinoscope		
	Separate control for streak width and streak rotation, streak revolves 360 head rest to prevent operator's spectacles from getting scratched, 6 spare bulbs and case, Complete		
	Optional Accessories (1.O specify):		
	1. Rechargeable handle with desk/built in charger/Mobile charger.		
	2. Mains (220V AC) operated handle with electric cord and transformer.		
	3. Electric cord handle with transformer (Wall mount)		
	4. Dry cell battery handle		
	5. +ZD lens.		

Required Specification of Pneumatic Oscillating Saw.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
D-001(B)			
	Oscillating / Sagittal Saw	O1	
	Handpiece with integral or Modular Motor drive		
	Source: Compressed Air / Water		
	Pumped Compressed dry Nitrogen 99.95% Pure.		
	Operating pressure: 100 PSI/ 6bar		
	Operating Speed: Mini 14000 Cycles/Mini		
	Fully automatic upto 3 bar over pressure (143 C)		
	ATTACHMENTS / ACCESSORIES:		
	Pressure Hose 2,3 or 5 meters.		
	Air / Nitrogen Regulator		
	Saw Blades (1.O to Specify but near configuration to be accepted)		

Required Specification of Pneumatic Drill System.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
D-001 (A)			
	Drill Hand piece for drilling screwing etc.	O1	
	Power Source: Compressed Air / Water pumped compressed dry Nitrogen 99.95% Pure		
	Operating Pressure: 100 PSI 16 bar		
	Operating Speed: Min 700 RMP		
	Fully Automatic upto 3 bar over pressure 134 C		
	Forward / Reverse Gear		
	ATTACHMENTS.		
	Pneumatic Hose 2,3 or 5 meters.		
	Jacob's Chuck with key Size 6.5 mm		
	Air / Nitrogen Regulator		
	Quick Coupling Chuck.		

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
D-002 (D)			
	Combined or Separate Hand piels for Intramedullary and Acetabular Reaming.	01	
	Source: 220volts Ac 50/60 HZ		
	Power Module with Power cable.		
	Drive cable and Foot switch (waterproof with variable speed)		
	Note: Foot switch not required in case of speed control in Hand piece.		
	Operating Speed: Min 200 RPM		
	Fully autoclavable upto 3 bar pressure (143C) expect power cable and foot switch		
	<u>ATTACHMENTS.</u>		
	Adapters for attachment with other makes.		

Required Specification of Plaster Cutter.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	According to PV Specification	01	

Required Specification of Trial Box.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
07010	Topcon, Shin Nippon, Inami, Takagi & Nikon		
	(1.0 to specify)	01	
	With torric/flat small aperture lenses in light weight anodized aluminium mounts		
	& + spheres :0.12 - 20.0 = 32 kinds		
	& + Cyl :0.12 - 6.0 = 18 kinds		
	10 prisms :0.5 - 10.0 or more		
	<u>Accessories:</u>		
	Maddox rod, cross line, pin hole, Occluder disc, red glass, green glass, stenopaicslit, frosted glass, plain glass, cross cylinder with carrying case.		

Required Specification of Cystoscope 70.

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
32001			
	According to P.V specification.	01	

Required Specification of Heneck Scope & Tele Scope

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	According to P.V specification.	01	

		Q	Origin: Price:
	According to P.V specification.	O1	

Required Specification of Vacuum Extractor

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
3	Atomos, Medap, Aescclap, Gomco, Nouvag, Medella & Ameda		
	Vacuum Extractor with various combination of cups approx size 25mm, 45mm, 55mm and suction tubes	O1	
	Sterilizeable / disposable. Cannula set for molar aspiration & missed abortion sizes 6,7,8,9 and 10mm alongwith transparent 2 mm tube and handle. Two collection bottles should be provided large 3 liters small 1.5 liters with adjustable from 0.675 mm Hg unit should be mounted on trolley / console type electrical requirement 220-240V.		

Required Specification of Operation Microscope for ENT

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
06038	Lieca/Wildd, Zeiss, Olympus & Muller		
	Microscope on Mobile Floor stand or ceiling mount (1.O to specify)	O1	
	Mian Body motorized zoom ratio 1:5 or better		
	Objectives F=200,250,300,350 and 400 mm		
	Motorized Int. Fine focussing system with auto return		
	Hand grips with zoom and focuss control provision of foot control		
	Llumination with coaxial fiberoptic control system		
	With integrated spot illumination halogen bulbs		
	Standby lamp module		
	Counterbalanced suspension arm system		
	Laser compatibilty sterizable rubber caps and dust cover		
	220 V 50 Hz spare bulbs		
	OPTIONAL ACCESSORIES: (1.O to specify)		
	1. Beam Splitter Observe Attachment		
	2. 35 mm Camera		
	3. CCTV and Video syste		
	4. Co-Observation Tube		

Required Specification of Dental Unit Chair Mounted

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
10001	A-Sirona (Germany), Belmont (Japan) & Anthos (Italy) Westech (PAK), Glow Pak (PAK)		
	The unit should have the following:-	O1	
	Dental Light:		
	Closed/open adjustment to different heights with vertical, horizontal and inverse movement.		
	Output range 20,000 to 22,000 lux at a distance of one meter.		
	Field of illumination is 200 sgr m		
	Color temp. 4000 kelvin or above		
	Intensity should be controlled by a switch in rectangular / slit format		
	Water Unit:		
	Automatic / manual flush bowl. (1.O to specify)		
	Automatic cup filler		
	Saliva ejector		
	Aspirator:		
	High velocity evacuation system		
	Type: motor driven /air operated (1.O to specify)		
	(Main supply -220V/50Hz single phase for motor driven)		

- c) Straight and contra Hand pieces autoclaveable.
- d) Light weight, triple syringe with removable nozzles.
- e) Piezo Electric scalar with three tips (Amdent, EMS)
(optional additional tips for different application 1.O to specify)
- f) Instrument tray
- g) X-ray film viewer compatible with the system

Compressor:-

The air compressor should be designed and equipped to meet the requirement of the instrument and accessories fitted on the unit
 It must be oil free and maintenance free with silencer cabinet
 Intake air capacity: 70 to 110 lit/min
 Tank capacity: 17 to 25 lit
 Delivery at 05 bars: 60 to 80 lit /min
 working pressure: 5.0 bars to 8.0 bars
 Maximum noise level: 55 dB with silencer cabinet
 Main supply: 220V, 50Hz, single phase
 Optional dryer for dry air (1.O to specify)

Hand pieces / instruments make:

- a) Bien Air - Switzerland
- b) Sirona - Germany
- c) NSK - Japan
- d) W & H Austria

Dental Chair

Programmable / Non programmable (1.O to specify) dental chair
 Minimum height of 45cm lower range acceptable
 Maximum height 70cm or above
 Back rest should be slim and adjustable to all functional positions, 90 degree to 120 degree at zero position
 Head rest should be adjustable upward backward and forward
 The movement of the chair must be through silent electric motors controlled by 12/24 volts for safety or with hydraulic pump and solenoid valves
 All controls must be operated through hand as well as foot switch Arm moveable / removable
 Main supply: 220V, 50Hz, single phase
 All chair movement should be locked when Handpiece in working condition
 Optional Head Rest for paediatric

Dental Stool (02 No.s)

Operating stool with adjustable height
 Gas spring operated
 Revolving on 5 castors
 One with arm supported and second with back supported stool

Touch type control type operating panel		
Smooth and moveable hoses consisting of following instruments:- (1.0 may select from the following items)		
a) 2 x fiber optics push button metal chuck type air turbine 3,00,000 to 4,50,000 rpm		
b) 1 x fiber optics air/electric motor 5,000 to 40,000 rpm with facility to rotate bur clock/anti clock wise.		
c) Straight and contra Hand piece with integrated fiber optic and water spray matching fiber optic air motor		
d) Triple syring with removable nozzle		
e) Piezo electric scalar with 3 tips		
f) 1 x instrument tray		
g) 1x panoramic x-ray size film viewer		
h) 1 x polymerization light built-in/attachable		
i) 1 x air polisher built in		
j) 1 x endodontic Hand piece air operated 2/3 holes operated		
TWO		
Suction Machine (1.0 to select the capacity according to the number of units)		
Suction machine for suction device with rapid aspirator, air extractor, cover low pressure limit valve and fittings		
Main supply: 220V, 50Hz, single phase		
THREE		
Water filtration Unit		
System for improved dental water quality		

Required Specification of Ultrasonic Screen (for Dental)

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	Subject to approval of end user.	02	

Required Specification of Amalgameter (for Dental)

PVMS No.	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	Subject to approval of end user.	01	

Required Specification of Anaesthesia Apparatus

PVMS No. 10001	Approved Pannel: Ohmeda, Drager, Penlon, Belease, Gambro & Siemens	Quantity	M/S. Make: Model: Origin: Price:
	Mobile type two gas unit (O2 & N2O) Frame well finished stainless surface of all shelves including over-head shelf as well as main shelf/ enamelled mounted on Antistatic swivel castors two of them with brakes all fittings must be according to I.S.O specifications	01	
	Two strong hooks to hang gas pipelines and breathing circuits		
	One drawer on sliding channel		
	Two Pin index connections for O2		
	Two pin index connections for N2O		
	Pressure Regulators Two for O2 and Two for N2O		
	Two Pressure guages for O2		
	Two Pressure Guages for each N2O		
	Flowmeter tubes rotameters protected by a transparent box calibrated antistatic flowmeter tubes		
	Minimum oxygen measuring range 0-10L/Min		

	Control cut off valve for N2O if Oxygen pressure drops & Failure warning device acoustic		
	Halothane Vaporizer Selectatic Type, Interchangeable (Latest Model)		
	Facility for a Second Vaporizer Should Physically Exist with Fittings to Connect Approved Vapourizer		
	Magill / Bain (1.0 to specify Single or Both) Circuit for magill CCT complete with Exhaust valve corrugated hose breathing bag 2 Ltr angle piece and face mask (Adult size 3) absorber mounting bracket		
	Two Oxygen Cylinders pin index type size E		
	Two Nitrous Oxide cylinders pin index type size E		
	Excess pressure relief valve at outlet connection		
	High pressure O2 outlet 4-5 bars for bronchoscope venturi attachment If There is Additional Outlet Required for ventilator will be in addition to it Unit Complete with expiratory port for connection of scavenging system		
	Additional Optional Accessories if required		
	CO2 Absorber with manometer 2 kg Capacity Either Single Canister by a Perforated Metal Baffle or Two 1 kg canisters Mounted Vertically with Excess pressure relief Valve with Exhaust Connectin with mounting Brackets.		
	Anti Hypoxic Device		
	Builtin / Separate O2 Anal Yser (PV No.04014)		
	Venturi Suction Aspirator		
	Pipeline supply of N2O/O2 with low pressure guage complete with all compatibel probes pipeline union block must contain a filter and one way spring loaded check valve to present retororade gas leaks		
	Note		
	Gas Cylinders if Required Should Have Safty Test Certificate from the Authorised Filler Cylinders must be Brand new Imported with Imported pin Index Valve		
	Additional Flowmeter for CO2, Completer with Pin Index yoke and Pressure regulator (for cardiac surgery only)		

Required Specification of Instruments

PVMS No. 05093	Approved Pannel:	Quantity	M/S. Make: Model: Origin: Price:
	D.H.S. (Dynamic Hip Screw) instrument.	01	
	Anstin More Pros Thesis with Rasps.	01	
	Hexagonal Screw Driver 4.5 AO, crew.	02	
	Hexagonal Screw Driver 3.5 AO, crew.	02	
	Hexagonal Screw Driver 6.5 mm	02	
	Small right angle retractors.	06	
	Medium right angle retractors.	06	
	Large right angle retractors.	06	
	Hofman retractor small.	06	
	Hofman retractor large.	06	
	Self bone holding forceps Large.	06	
	Self bone holding forceps small.	06	
	Self-holding soft tissue retractor large.	06	
	Self-holding soft tissue retractor medium.	06	
	Self-holding soft tissue retractor small.	06	
	DCS. Instrumentation.	01	
	Angle blade plate instrumentation.	01	
	Osteotome large (Straight).	06	
	Osteotome small (Straight).	06	
	Osteotome small (Curved).	06	
	Osteotome large (Curved.).	06	
	Bone Gouge (Large).	03	

Bone holding forceps large.	06
Bone holding forceps small.	06
Bone tap 4.5 mm.	06
Bone tap 3.5 mm.	06
Periosteum Elevator large.	06
Periosteum Elevator small.	06
Bone levers.(Elevator)	10
Hammer.	03
Bone cutter large.	06
Bone cutter medium.	06
Bone cutter small.	06
Braun bohler frame large.	15
Braun bohler frame small.	05
Hanging weights, 2 Lbs, 5 Lbs, 10 Lbs, 15 Lbs & 20 Lbs.	10
Conter Sink.	02
Sterilizer forceps.	06
Double jew sterilizer for forceps.	11
Hot water sterilizer 2 gallons capacity.	12
Forceps heamostatics peeker box joint set 5 inches. (Hilbro)	30
Forceps dissection. (Hilbro)	10
Forceps tissues laces 6 inches. (Hilbro)	20
Needle holder 6.5 and 11 inches (2 each.)	24
Suction tube.	06
Suction abdominal straight with multiple boxes.	03
Probe gall stone size 3.	20
Forceps cholecystomy monihans 8.5	06
Scissor tissue cutting curved.	12
Scissor straight cutting sharp, small, medium, large.	36
Foot sucker.	01
Infant laryngo scope with sward blade.	01
Forceps kidney pedicle mayo clinic 9.5	09
Forceps nephrology litotmy homar walker.	04
Focept shapped prestic capsule for.	04
Bogies listers puritbral dilator for with clivnds 13 size 12 / 15 increased.	03
Cathertors metal canula types surved halder irrigation for 4 size.	10
Cystoscope cathetering and examination complete in case for adults.	10
Catheters metal canula perstatice with silid and size 4.6, 10.12 quage.	03
Cathetorfemale metal 12 F.R.	12
Cathetor urecteric opaque to X-Ray graduated.	06
Cathetor rubbesized 1 to 12 asserted.	50
Cathetor foley's balloon retaining way with 300cc bag.	50
Forceps ligature carrying annuler mylines.	03
Forceps lithotomy 8.	04
Scope lithotomy double ended adult size.2	04
Scope lithotomy children size.	04
Sputum cup with lid.	70
Urinal male.	50
Basin S.S.	50
Urinal female.	50
Enema cane.	40
Mugs.	50
Bowl small size.	12
Bowl big size.	12
Barany's Noise instrument.	01

Agnew myringotoms.	02
Hunter tod eural forceps,	06
Tilley aural forceps.	04
Glegg snare.	02
Jensen self retaining retractor.	02
Stainless steel mallet 8½ OZ.	02
Jenkingchisels six widths 6,8,10,12,14,mm.	01
Thudichum nasal specule size 1 to 7.	04
Oukcger nasal speculum.	04
St. clair Thomson rhinoscopic mirrors six sizes 6,8,10,12,14,16,mm.	02
Jobsne horne nasal probe.	08
Hartman nasal dressing forceps.	06
Wauseon willians nasal forceps.	12
Killian nasal speculum.	02
Cartilage knife.	06
Killian nasal gauge.	04
Gallenger cartilage knife.	04
Backman turbineectomy scissors.	03
Krause nasal snare.	04
Moure antrum laminator.	06
Trensformer with cautery.	04
Higinson syringe.	06
Myles naso antral perforator.	04
Tilly antrum bur.	04
Hejek antrua punch forceps.	02
Wakshan redressing right and left forceps.	02
Jankins head light.	08
Clar hand light.	04
Laryngeal miroe boilable 7 size.	04
Back tongue deparessor.	16
Fist tongue depressor.	16
Post laryngasl atomizer.	16
Davis boyle mouth gag frame child & adult size.	06
Denois brown tonsil holding forceps.	02
Biopay forceps set for negus strument.	01
Oesophageal dilating bougies soft ember.	02
Oesophageal dilating bougies soft ember.	01
Mouth gag (Child).	01
Mouth gag (Adult).	01
Tonsil snare. (Adult).	06
Tonsil snare. (Child).	06
Tonsillar Arkries.	06
Tonsillar Needle (Rt & Lf).	04
Aelenotore (Child).	02
Tonsillar retractor.	02
Lue forceps.	02
Turbineepmy seeissors.	02
Back Rest	20
Paediatric Anaestheasia Set	01
Gouge Hammer.	02
Septal Elevator.	01
Snellens charts (Rotationg drums).	02
Universal eye speculum.	02
Lid Retractor.	05

			Price:
	Bone marrow puncture needle Salah 7am	O5	Make: Model: Origin: Price:
	Neubauer Chamber.	O3	Make: Model: Origin: Price:
	RBC Pipettes.	20	Make: Model: Origin: Price:
	WBC Pipettes.	20	Make: Model: Origin: Price:
	Hot Air Oven 42 Liter.	O1	Make: Model: Origin: Price:
	Flame photometer 4010 Cornig.	O1	Make: Model: Origin: Price:
	Incub med / incubator. 42 Litre.	O1	Make: Model: Origin: Price:
	Autoclave Vertical.	O1	Make: Model: Origin: Price:
	Blood cell counter electric.	O1	Make: Model: Origin: Price:
	Petri dishes. (Small)	20	Make: Model: Origin: Price:
	Haematocrit centrifuge complete.	O1	Make: Model: Origin: Price:
	Test tube metal stand large size.	O4	Make: Model: Origin: Price:
	Wintrobe Tube.	O5	Make: Model: Origin: Price:
	Hot air oven 40 Litre Memmerts.	O1	Make: Model: Origin: Price:
	Glucometer.	O1	Make: Model: Origin: Price:

	Glass slide covers (Cover slip).	1500	Model: Price:
	ESR tube. (Westerglen)	50	Make: Model: Origin: Price:
	ESR tube stand for 10 tube.	10	Make: Model: Origin: Price:
	Wintrobe stand.	02	Make: Model: Origin: Price:
	Digital multirange 0.2 ML. Pipettes.	03	Make: Model: Origin: Price:
	Stool boxes for specimen.	500	Make: Model: Origin: Price:
	Sputum boxes for specimen.	01	Make: Model: Origin: Price:
	Water bath (Large size).	01	Make: Model: Origin: Price:
PV.#	Requirement of X-Ray Accessories	Quantity	
	Name of Items		
25052	Intestifying screen size 14 x 17 (Imported)	05	Make: Model: Origin: Price:
25050	Intestifying screen size 12 x 15 (Imported)	20	Make: Model: Origin: Price:
25049	Intestifying screen size 10 x 12 (Imported)	20	Make: Model: Origin: Price:
25048	Instestifying screen size 8 x 10 (Imported)	08	Make: Model: Origin: Price:
25057	C Cassette size 14 x 17 (Imported)	03	Make: Model: Origin: Price:

25056	C Cassette size 12 x 15 (Imported)	20	Make: Model: Origin: Price:
25055	C Cassette size 10 x 12 (Imported)	20	Make: Model: Origin: Price:
25081	Film marking letter lead A to Z set.	10	Make: Model: Origin: Price:
50059	Cassette with intensifying size 8X10 (Imported)	10	Make: Model: Origin: Price:
	Film marking electric device for nameplates.	10	Make: Model: Origin: Price:
25034	Processing tank thermostatically control.	01	Make: Model: Origin: Price:
25035	Immerson heater. (Imported)	02	Make: Model: Origin: Price:
25120	Lead window for tranfering cassette.	01	Make: Model: Origin: Price:
25098	Film carrier trolly. (Imported)	01	Make: Model: Origin: Price:
25108	Film dry cabnit. (Imported)	01	Make: Model: Origin: Price:
	Film cornor cutter. (Imported)	01	Make: Model: Origin: Price:
25042	Film holding clips. (Imported)	30	Make: Model: Origin: Price:
	Radiographer badges.	06	Make: Model: Origin: Price:
	Radiation protective desk.	03	Make: Model: Origin: Price:
25129	Radiation protective gloves lead rubber.	03	Make: Model: Origin: Price:

	Magnifying glass.	O3	Make: Model: Origin: Price:
25118	Lead protecting screen.(Size 72X36) Lead Protecting Screen (72 X 18 X 36 X 18)	O3	Make: Model: Origin: Price:

List of Bedding & Clothing

S.#	Name of Items (approval will be made subject to sample)	Quantity	Price
1	Bed sheets (63x108 Inch) Weight 700gm Blue Barder	200	
2	Blankets Camel Color (60 x 90 Inch)	150	
3	Pillow foam (No.1 Quality Foam)	150	
4	Towel (Best Quality) 54 Inch	100	
5	Towel (Best Quality) 10 Inch	35	
6	Patient pajama	50	
7	Patient shirts.	50	
8	Duster Size 36 Inch	50	
9	Apron Green 45 inch	50	
10	Operation coats Green	20	
11	Operation towels Green Size 1 Meter	200	



P. V. M. S.

**FOR PUNJAB GOVERNMENT HOSPITALS
AND
GOVERNMENT MEDICAL STORE DEPOT**

**HEALTH DEPARTMENT
Government Of The Punjab
LAHORE:**

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S. No.	P.V. No.	ANAESTHETIC & ADOUVANTS (GENERAL)	
1.	0001	Enflurance 20% Bott of 200 ml.	Bott.
2.	0002	Ether Bott of 500 ml.	Bott.
3.	0003	Halothane Bott of 250 ml	Bott.
4.	0004	Inj: I.V. Diazepam 10 mg/2 ml ampoules Bof of 100	Box
5.	0005	Inj: Ketamine Hcl 50 mg/ml Ampoule of 10 ml.	Ampoule.
6.	0006	Inj: Thiopentone (na) 500 mg, with distilled water Box of 25.	Box.

ANAESTHETIC AND ADJUVANTS (LOCAL)

7.	0007	Inj: Bupivacaine Hydrochloride 0.25%	Ampoule.
8.	0008	Inj: Bupivacaine Hydrochloride 0.5% Ampoule of 10 ml.	Ampoule.
9.	0009	Inj: Cinchocaine 0.5% of 3 ml Pack of 10.	Ampoule.
10.	00010	Ethychloride Spray, Tin of 100 ml.	
11.	00011	Lignocaine Compound Haemorrhoids (Oint) Tube of 30 gm.	Tube.
12.	00012	Lignocaine Dental Cart 2% Epinephrine 1 in 80,000 (3 ml) Pack of 50 cart.	Cart.
13.	00013	Lignocaine Gel 2% Tube of 15 gm.	Tube.

14.	00014	Lignocaine Gel 5% Tube of 15 gm.	Tube.
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15.	00015	Inj: Lignocaine Solution 2% of 2 ml/10ml Pack of 100 ml.	Box.
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16.	00016	Inj: Lignocaine Solution 2% with adrenaline of 2 ml/10ml Pack of 100.	Box.
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17.	00017	Inj: Lignocaine Solution 4% Vial of 50 ml.	Vial.
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18.	00018	Inj: Lignocaine Solution 4% with adrenaline.	Vial.
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ANAESTHETIC & ADJUVANTS (NEURO MUSCULAR BLOCKER).

19.	00019	Inj: Atracurium Besylate 10 mg/ml (2.5 ml ampoule) Pack of 5.	Ampoules.
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20.	00020	Inj: Pancuronium 2 mg/ml (2ml ampoule) Pack of 10.	Ampoules.
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21.	00021	Inj. Succinyl Choline 100 mg	Vial
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ANALGESIC & ANTI-INFLAMATORY.

22.	00022	Tab: Allopurinol 300 mg Pack of 100/300.	Box.
23.	00023	Tab: Aspirin (Soluble) 300 mg. Pack of 1000.	Box.
24.	00024	Tab: Buprenorphine 0.2 mg (Sublingual). Pack of 50.	Box.
25.	00025	Inj: Buprenorphine 0.324 mg/ml (in 1 ml) Pack of 10.	Box.
26.	00026	Tab: Chloramezanone 100 mg, Paracetamol 450 mg. Pack of 200.	Box.
27.	00027	Tab: Diclofena-C Sodium 50 mg. Pack of 20.	Pack.
28.	00028	Inj: Diclofenac Sodium 75 mg/3ml. Pack of 20.	Box.
29.	00029	Tab: Dipyron 500 mg. Pack of 1000.	Pack.

30.	00030	Syp: Dipyron 50 mg/ml Bott of 50 ml.	Bottle.
31.	00031	Inj: Dipyron 500 mg/ml Box of 20.	Box.
32.	00032	Tab: Flurbiprofen 50 mg. Pack of 30.	Pack.
33.	00033	Suspen: Ibuprofen 100 mg/5ml. Bott of 40 ml.	Bott.
34.	00034	Tab: Ibuprofen 200 mg. Pack of 500.	Pack.
35.	00035	Tab: Ibuprofen 400 mg. Pack of 250.	Pack.
36.	00036	Tab/Cap: Indomethacin 25 mg. Pack of 1000.	Pack.
37.	00037	Tab: Mefenamic Acid 250 mg. Pack of 1000.	Pack.
38.	00038	Inj: Morphine 10 mg/ml. Box of 100.	Box.

39.	00039	Syp: Paracetamol 120 mg/5ml. Bott of 450 ml.	Bott:
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40.	00040	Tab: Paracetamol. Pack of 1000 ml.	Pack.
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41.	00041	Inj: Pentazocine 30 mg/ml/Nefopam. Pack of 5.	Box.
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42.	00042	Tab: Pentazocine 25 mg Nefopam. Pack of 100.	Pack.
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43.	00043	Inj: Pathedine 100 mg. Box of 10.	Box.
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44.	00044	Tab: Piroxicam 10 mg. Pack of 10.	Pack.
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ANTACIDS & ALLIED DRUGS.

45.	00045	Susp: Alumina Magnesia. Bott of 450 ml.	Bottle.
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46.	00046	Inj: Cimetidine 200 mg I.M.I.V. Pack of 10.	Box.
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47.	00047	Tab: Cimetidine 400 mg. Pack of 200.	Pack.
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48.	00048	Tab: Mag. Trisillicate. Pack of 1000.	Tin.
49.	00049	Tab: Mag. Tricillicate Comp Pack of 1000.	Tin.
50.	00050	Tab: Pirenzepine 50 mg. Pack of 50.	Pack.
51.	00051	Tab: Renitidine 150 mg. Pack of 10.	Pack.
52.	00052	Inj: Renitidine 50 mg/2ml. Pack of 5.	Box.
53.	00053	Tab: Sodamint. Pack of 1000.	Pack.
54.	00054	Tab: Sucralfate 1.G. Pack of 8.	Pack.
ANTHELMENTIC.			
55.	00055	Bepheniene Hydroxy Naphlhoate. Pack of 5 gm.	Pack.

56.	00056	Tab: Nichlosomide 500 mg. Pack of 4.	Pack.
57.	00057	Syp: Elixer Piprazine Adipate citrate equivalent to 750 of base Bott of 450 ml.	Bott.
58.	00058	Syp: Pyrantel Pamoate 250 mg/ 5 ml Bottle of 10 ml.	Bott.
59.	00059	Tab: Pyrantel Pamoate 250 mg Pack of 100.	Pack.
60.	00060	Tab: Thiabendazole/Albendazole/Mebendazole/Levotetramizole / Levami- sole 40 mg. Bottle of unit dose.	Bottle.
61.	00061	Syp: Thiabendazole/Albendazole/Mebendazole/ Levotetramizole Bottle of unit dose.	Bottle.

ANTI DIABETICS.

62.	00062	Tab: Chlorpropamide 250 mg Pack of 100.	Pack.
63.	00063	Tab: Glibenclamide 5 mg Pack of 60.	Pack.

64.	00064	Tab: Glicizide 5 mg Pack of 20.	Pack.
65.	00065	Inj: Insulin NPH (Isophene Insuline 40 units / ml.	Vial.
66.	00066	Inj: Insulin Plain 40 units / ml vial of 10 ml.	Vial.
67.	00067	Tab: Metformin 500 mg Pack of 50.	Pack.

ANDI DIARRHOEALS.

68.	00068	Tab: Attapulgate 630 mg/ 500 mg Pack of 250/100.	Pack.
69.	00069	Syp. Furazolidone 0.5 W/V Bott of 120 ml.	Bott.
70.	00070	Tab: Furazolidone 100 mg Pack of 1000.	Pack.
71.	00071	Surp. Koalin-Pectin Bott. of 90 ml/ 60ml	Bott.
72.	00072	O.R.S. (W.H.O formula) Nacl 3.5% Trisodium Citrate Dihydrate 2.0% etc. pack of 20 sachets.	Sachet.

ANTI-EMETICS.

73.	00073	Inj: Cyclizine 50 mg/ml Pack of 20	Box.
74.	00074	Syp. Cyclizine 12.5 mg/5 ml Bottle of 50 ml.	Bott.
75.	00075	Tab: Cyclizine 50 mg Pack of 300.	Pack.
76.	00076	Inj: Dimenhydrinate 50 mg/ml Pack of 25.	Pack.
77.	00077	Syp: Dimenhydrinate 12.5 mg / 4 ml Bottle of 60 ml.	Bott.
78.	00078	Tab: Dimenhydrinate 50 mg Pack of 1000.	Pack.
79.	00079	Tab: Metoclopramide 10 mg Pack of 500.	Pack.
80.	00080	Syp: Metoclopramide 5 mg/5 ml Bott of 50 ml.	Bott.

81.	00081	Inj: Metoclopramide 5 mg/ml. 2ml Box of 10.	Box.
82.	00082	Inj: Prochlorperazine 12.5 mg/ml Pack of 10.	Box.
83.	00083	Tab: Prochlorperazine 5 mg Pack of 500.	Pack.
ANTI FUNGAL DRUGS.			
84.	00084	Inj: Amphotericin B. 50 mg. vial	Vial.
85.	00085	Voginal Cream Clotrimazole 1% / Miconazole 2% / Isocanazole / Triocanazole 1% Tube of 35 gm/20 gm/20 gm.	Tube
86.	00086	Clotrimazole lotion Bott of 20 ml.	Bott.
87.	00087	Clotrimazole powder	Pack.
88.	00088	Clotrimazole 1% skin cream Tube of 20 gm.	Tube.

89.	00089	Clotrimazole Vaginal Pessary 500 mg Pack of 1.	Pack.
90.	00090	Cap/Tab. Griseofulvin Oral 500 mg Pack of 20.	Pack.
91.	00091	Susp: Nystatin 1,00,000 units/ ml Pack of 12 doses	Bott.
92.	00092	Tab: Nystatin Vaginal 10,000 Units Pack of 15 doses.	Pack.
93.	00093	Tab: Nystatin 5,00,000 Units Pack of 8 doses.	Pack.
ANTI MALARIAL.			
94.	00094	Inj: Chloroquine Sulphate/Phosphate / 5ml Box of 100.	Box.
95.	00095	Syp: Chloroquine Sulphate/Phosphate Bottle. of 450 ml/60ml.	Bott.
96.	00096	Tab: Chloroquine Sulphate / Phosphate 250 mg Pack of 1000.	Pack.

97.	00097	Tab: Pyrimethamine 25 mg Pack of 1000.	Tin.
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ANTIBIOTICS.

98.	00098	Drops Amoxycillin 100 mg/ ml Bott of 10 ml.	Bott.
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99.	00099	Syp: Amoxycillin 125 mg/5 ml Bott of 60 ml.	Bott.
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100.	00100	Cap: Amoxycillin 250 mg. pack of 1000 Pack of 1000.	Pack.
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101.	00101	Cap: Amoxycillin 500 mg Pack of 250.	Pack.
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102.	00102	Syp: Ampicillin 125 mg/5 ml Bott of 60 ml.	Bottle.
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103.	00103	Cap: Ampicillin 20 mg Pack of 1000.	Pack.
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104.	00104	Inj: Ampicillin 250 mg vial.	Vial.
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105.	00105	Cap: Ampicillin 500 mg Pack of 100.	Pack.
106.	00106	Inj: Ampicillin 500 mg vial.	Vial.
107.	00107	Drops: Ampicillin - Cloxacillin 100 mg/ml Vial of 10 ml.	Vial.
108.	00108	Syp: Ampicillin 125 mg - Cloxacillin 125 mg/5 ml Bottle of 60 ml.	Bottle.
109.	00109	Cap: Ampicillin - Cloxacillin 250 mg Pack of 500.	Pack.
110.	00110	Cap: Ampicillin - Cloxacillin 500mg Pack of 250.	Pack.
111.	00111	Inj: Ampicillin - Cloxacillin 500 mg. vial.	Vial.
112.	00112	Ampicillin Drops Neonatal Vial of 10 ml.	Vial.
113.	00113	Inj: Anti Diphtheria Serum vial.	Vial.

114.	00114	Neomycin Sulphate 165,000 I.U, Bacitracin 12,500 I.U in each pressurized container Arrosal of 200 gm.	Arrosal.
115.	00115	Inj: Benzyl Pencillin 10,00,000 Units.	Vial.
116.	00116	Inj: Benzyl Pencilin 5,00,000 Units.	Vial.
117.	00117	Inj: Procaine Pencillin 4,00,000 Units.	Vial.
118.	00118	Inj: Carbencillin Sodium 1 gm vial.	Vial.
119.	00119	Syp: Cephalexin 250 mg/5ml Bott of 60 ml.	Bottle.
120.	00120	Tab./Cap. Cephalexin / Cephazolim sod. 500 mg pack of 10.	Pack.
121.	00121	Tab: /Cap Cephalexin 250 mg / Pack of 100.	Pack.
122.	00122	Inj. Cephazolin Sod / Cephalexin 500 mg	Vial.
123.	00123	Cap: Cephradine 250 mg Pack of 12.	Pack.

124.	00124	Inj: Cephadrine 500 mg. vial.	Vial.
125.	00125	Syp: Cephadrine 250 mg/5 ml Bott of 60 ml.	Bottle.
126.	00126	Sysp: Cephadrine 125 mg/ 5 ml Bott of 60 ml.	Bottle.
127.	00127	Susp: Chloramphenicol 125 mg / ml Bott of 60 ml.	Bottle.
128.	00128	Cap:Chloramphenicol 250 mg. Pack of 1000.	Pack
129.	00129	Ing:Clindamycin 150 mg/ml vial.	Vial.
130.	00130	Cap: Clindamycin 150 mg. pack of 16.	Pack.
131.	00131	Susp: Cotrimaxazole. Bott of 50 ml.	Bottle.
132.	00132	Inj: Cotrimaxazole infusion (5 ml ampoule). Box of 5.	Box.

133.	00133	Tab: Cotrimaxazole D.S. pack of 100.	Pack.
134.	00134	Tab: Doxycycline 100 mg. pack of 100.	Pack.
135.	00135	Syp: Erythromycin 200 mg/5ml. Bott of 60 ml.	Bottle.
136.	00136	Tab: Erythromycin 250 mg. pack of 100.	Pack.
137.	00137	Tab: Erthromycin 500 mg. pack of 100.	Pack.
138.	00138	Inj: Gentamycin 40 mg/ml. pack of 3.	Pack.
139.	00139	Inj: Gentamycin 80 mg/2 ml. pack of 3.	Ampoule.
140.	00140	Inj: Metronidazole 500 mg/100 ml. Bag/Bottle of 100 ml.	Bag/Bott.
141.	00141	Tab: Metronidazole 200 mg. pack of 1000..	Pack.

142.	00142	Susp: Metronidazole 200 mg/2ml. Bott of 60 ml.	Bott.
143.	00143	Tab: Metronidazole 400 mg. pack of 100.	Pack.
144.	00144	Tab/Cap: Nalidixic Acid 500 mg. pack of 28.	Pack.
145.	00145	Ta: Neomycin Sulphate 500 mg. pack of 8.	Pack.
146.	00146	Tab./Cap. Nitrofurantoin 100mg pack of 100.	Pack.
147.	00147	Tab: Norfloxacin 400 mg. pack of 14.	Pack.
148.	00148	Inj. Oxy Tetracycline 250mg/2ml	Pack
149.	00149	Inj: Oxytetracyline 250 ml/3ml. Ampoule.	Ampoule.
150.	00150	Tab/Cap: Oxytetracyline 250 ml. pack of 1000.	Pack.

151.	00151	Cap: Tetracycline 250 mg. pack of 1000.	Pack.
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152.	00152	Cap/Tab: Pipemedic Acid 400 mg. pack of 100.	Pack.
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ANTIBIOTICS AND ANTI INFECTIONS (EYE)

153.	00153	Acyclovir Eye Ointt: 3% Tube of 4.5 gm.	Tube.
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154.	00154	Drops Chloramphenicol 0.5% Bott. of 10ml	Bott.
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155.	00155	Gentamycin Eye drops 0.3 %. Bott of 7.5 ml/5 ml.	Bott.
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156.	00156	Idoxuridine 0.1 % Eye Drops. 15 ml. Bottle of 15 ml.	Bott.
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157.	00157	Ointment Chloramphenicol (Eye). Tube of 3.5 gm.	Tube.
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158.	00158	Ointment Chloramphenicol with Hydrocortisone Eye. Tube of 3 gm.	Tube.
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159.	00159	Ointment Oxytetracycline (Eye). Tube of 3.5 gm.	Tube.
160.	00160	Drops Polymycin B. Sulphate 10000 U. Neomycine Sulphate 3400 U. Bott of 5 ml.	Bottle/Vial.
161.	00161	Sulphacetamide (Eye) 20%. bott. of 10 ml.	Bottle/Vial.

ANTIBIOTICS AND ANTIBACTERIALS.

162.	00162	Inj: Lincomycin 600 mg. (activity) 2 ml.	Vial.
163.	00163	Cap: Lincomycin 500 mg. pack of 12.	Pack.
164.	00164	Cap. Minocycline 100mg pack of 100.	Pack.
165	00165	Tab: Sulphadimadine. 500 mg. pack of 1000.	Pack.
166.	00166	Tab:Sulphadimadine 500 mg. pack of 1000.	Pack.

ANTICONVULSANTS.

167.	00167	Tab: Carbamazepine. pack of 50.	Pack.
168.	001680	Cap: Phenytoin Sodium 100 mg. bottle of 100.	Bott.
169.	00169	Susp. Phenytoin Sodium 30mg/5ml. bottle of 120 ml.	Bott.
170.	00170	Sodium Valproate 200 mg. pack of 100.	Pack.

ANTIDOTES.

171.	00171	Inj: Desferrioxamine Mesylate 500 mg.	Vial.
172.	00172	Inj: Dimercaprol (BAL) 100mg/ml. Ampoule of 3 ml.	Ampoule.
173.	00173	Inj: Naloxone Hydrochloride 0.4 mg/ml.	Pack.
174.	00174	Tab: Neostigmine Bromide 15 mg. pack of 20.	Pack.

175.	00175	Inj: Neostigmine Mthylsulphate 0.5mg/ml. ampoule of 1 ml.	Ampoule.
176.	00176	Inj: Obidoxime 250mg/ml (1ml). pack of 5.	Box.
177.	00177	Ing: Physostigmine 1mg/ml.	Pack.
178.	00178	Inj: Protamine Sulphate 10mg/ml ampoule of 5 ml. pack of 10.	Box.

**ANTINEOPLASTICE (TEACHING HOSPITALS CANCER WARD
ONLY)**

179.	00179	Tab: Busulfan 5mg.	Pack.
180.	00180	Inj: Calcium Folate 15mg.	Vial.
181.	00181	Tab: Calcium Folate 15mg. pack of 10.	Vial.
182.	00182	Tab: Chlorambucil 2mg.	Pack.
183.	00183	Tab: Chlorambucil 5mg.	Pack.

184.	00184	Inj: Cisplatin 10mg.	Vial.
185.	00185	Inj: Cyclophosphamide 100mg.	Vial.
186.	00186	Inj: Cyclophosphamide 200 mg.	Vial.
187.	00187	Inj: Cyclophosphamide 500 mg.	Vial.
188.	00188	Tab: Cyclophosphamide 50 mg. pack of 500.	Pack.
189.	00189	Tab. Mercaptopurine 50mg pack of 25.	Pack.
190.	00190	Tab: Methotrexate 2.5 mg. pack of 100.	Pack.
191	00191	Tab: Methotrexate 10 mg. pack of 100.	Pack.
192.	00192	Inj: Methotrexate 5mg. IM/IV. IT.	Vial.
193.	00193	Inj: Methotrexate 50mg IM/IV. IT.	Vial.

194.	00194	Inj: Methotrexate 500mg. IM/IV.IT.	Vial.
195.	00195	Inj: Vincristine 1 mg.	Vial/Ampoule.
196.	00196	Inj. Vinblastine 10mg	Vial.

ANTISPASMODICS.

197.	00197	Inj: Atropine Sulphate 0.5mg/ml/1ml. Box of 100.	Box.
W			
198.	00198	Inj: Hysocine/Metamizole Comp: Amouple of 5ml. Box of 30.	Box.
199.	00199	Inj: Hyoscine Butylbromide 20mg/1ml. Box of 30.	Box.
200	00200	Tab: Hyoscine Butylbromide. pack of 500.	Pack.
201	00201	Tab: Pramiverine Comp. Box of 100.	Box
202	00202	Inj: Pramiverine Comp. Box of 30.	Box

ANTITUBERCULAR DRUGS

203	00203	Tab: Ethambutol 400mg. pack of 100.	Pack
204	00204	Tab. Ethambutal 300mg — I.N.H 100mg pack of 100.	Pack
205	00205	Tab. Isoniazid 100 mg. pack of 1000.	Pack
206	00206	Tab. Pyrazinamide 500 mg. pack of 500.	Bottle
207	00207	Syp. Rifampicin 2 %. Bott of 60 ml.	Bottle
208	00208	Tab. Rifampicin 150 mg – INH 100mg. pack of 100.	Pack
209	00209	Tab. Rifampicin 300mg – INH 150mg. pack of 30.	Pack
210	00210	Tab/Cap. Rifampicin 300mg. pack of 40.	Pack

211	00211	Tab/Cap. Rifampicin 450mg. pack of 30/100.	Pack
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212	00212	Tab/Cap. Rifampicin 600mg. pack of 8/100.	Pack
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213	00213	Inj. Streptomycin 1 mg.	Vial
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CARDIOVASCULAR DRUGS

214	00214	Tab. Atenolol 100mg. pack of 20.	Pack
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214A	00214A	Tab. Atenolel 50 mg. pack of 30.	Pack.
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215	00215	Tab. Captopril 25mg. pack of 20.	Pack
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216	00216	Tab. Digoxin 0.25mg. pack of 500.	pack
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217	00217	Inj: Digoxin 0.25mg/ml. Box of 5.	Box
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218	00218	Tab. Diltazim 30mg. pack of 100.	Pack
219	00219	Tab: Dipyrad-amole 100 mg. pack of 100.	Pack
220	00220	Tab: Disopyramide 150 mg. pack of 30.	Pack
221	00221	Inj. Dobutamine 250 mg.	Vial
222	00222	Inj. Dopamine 200 mg/ml vial of 5 ml	Vial
223	00223	Tab.Enalapril 10 mg. pack of 20.	Pack
224	00224	Tab: Isosorbid Dinitrate 10 mg. pack of 100.	pack
225	00225	Tab. Isosorbid Monomtrate 20 mg. pack of 20.	Pack
226	00226	Tab: Methyldopa 250 mg. pack of 100.	Pack

227	00227	Inj. Methyldopa 250 mg/ 5 ml	Vial
228	00228	Cap/Tab: Nifedipine 10mg. pack of 100.	Pack
229	00229	Tab. Nitroglycerine 0.5mg. pack of 100.	Pack
230	00230	Tab. Prazosin 2 mg pack of 20.	Pack
231	00231	Inj. Procainamide HCL 100mg.	Vial
232	00232	Cap/Tab: Procainamide HCL 250mg. Bottle of 100.	Bottle
233	00233	Tab. Propranolol 10mg. pack of 250.	Pack
234	00234	Tab: Propranolol 40mg. pack of 500.	Pack
235	00235	Inj: Propranolol 1mg/ml. Box of 10.	Box
236	00236	Tab. Quinidine Sulphate 200mg. pack of 25.	Pack

237	00237	Inj. Sodium Nitroprusside 50mg. pack of 5.	Pack
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238	00238	Tab. Verapamil 80mg. pack of 20.	Pack
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COAGULANTS AND HAEMOSTATIC

239	00239	Foam B.P.Gel.	
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240	00240	Inj. Heparin 5000 I.U./ml, vial of 5ml.	Vial
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241	00241	Inj. Menophitone Sodium Bisulphate 10mg/ml. Box of 100.	Box
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242	00242	Inj. Tranexamic Acid 250mg/5ml.	Amp.
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243	00243	Cap. Tranexamic Acid 250mg. pack of 100.	Pack
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244	00244	Tab. Warfarin 5mg. pack of 100.	Pack
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CORTICOSTEROIDS

245	00245	Betamethasone Eye Drops, Bott of 6ml/5ml/7.5 ml.	Bottle
246	00246	Oint Eye Beta methasone Tube of 3 mg	Tube
247	00247	Dexamethasone Eye Drops. Bott of 5 gm.	Bottle
248	00248	Fluromethalone 0.1% Eye Drops. Vial of 5 ml.	Vial
249	00249	Oint. Hydrocortisone 1% (Eye). Tube of 4 gm.	Tube
250	00250	Drops. Neomycin So 0.3%; Dexamethasone 0.1%, Polymixin B Sulphate 6000U. Vial of 5 ml.	Vial
251	00251	Drops Prednisolone Acetate 1% Bott. of 5 ml/ 10 ml	Bottle

DIAGNOSTIC AGENTS

252	00252	Susp. Barium Sulphate 100% W/V. Bott of 200 ml.	Bottle
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253	00253	Inj. Iodinated Poppy Seed Oil,	Vial
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254	00254	Tab. Iopanioc Acid 500mg (66.7% Iodine). pack of 150.	Pack
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255	00255	Inj. Meglumine Diatrizoate (52.1%) – sodium diatrizoate (7.9%) 292mg/20ml pack of 10.	Pack
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256	00256	Inj. Meglumine Diatrizoate (66%) – Sodium diatrizoate (10%) 370mg/20ml. pack of 10.	Pack
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257.	00257	Inj. Meglumine Iodipamide 50% (Iodine 49.8%) /20ml. pack of 5.	Pack
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258.	00258	Inj. Metrizamide 12 300mg /ml. Ampoul of 10ml.	Amp
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259.	00259	Inj. Sodium Amidotriazote 0.1gm – Meglumine Amidotriazote 0.66gm.	Vial
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260.	00260	Inj. Sodium Iothallamate 70% W/V 420mg/ml. Vial/Amp. of 20m.	Vial/Amp.
261.	00261	Cap. Sodium Iodate 500mg (Iodine 61.4%). pack of 30.	Pack
DIURETICS			
262.	00262	Tab. Amiloride HCL 5mg – Hydrochlorthiazide 50mg. pack of 100.	Pack
263	00263	Tab. Frusemide 40mg. Pack of 100	Pack
264	00264	Inj. Frusemide 20mg/2ml box of 100/	Box
265	00265	Tab. Potassium Chloride 500mg. bottle of 100.	Bottle
266	00266	Tab. Spironolactone 225mg; Hydrochlorthiazide 25mg. pack of 25	Pack
267	00267	Tab. Triamtrene 50mg/Benzthiazide 25mg. pack of 12	Pack
268	00268	Tab. Triamtrene 50mg - Hydrochlorthiazide 25mg. pack of 20	Pack

DRUGS ACTING ON RESPIRATORY SYSTEM

269	00269	Tab. Aminophylline 100mg pack of 1000.	Pack
270	00270	Inj. Aminophylline 250 mg/ 10 ml Box of 50.	Pack
271	00271	Tab. Diprophylline 100mg/Acephylline 250mg. pack of 100.	Pack
272	00272	Tab. Ephedrine Comp. pack of 1000.	Pack
273	00273	Drops Ephedrine HCL 0.5% (Nasal) Vial of 20ml	Vial
274	00274	Inj. Ephedrine Sulphate 50mg/ml box of 100.	Box
275	00275	Tab. Isoprenaline Sulphate. pack of 100.	Pack
276	00276	Inj. Salbutamol 0.5mg/ml. pack of 5.	Pack

277	00277	Tab. Salbutamol 2mg. pack of 100/200.	Pack
278	00278	Syp. Salbutamol 2mg/5ml bottle of 60ml.	Bottle
279	00279	Salbutamol Aerosole 100mcg/inhalation pack of 200 inhalations/Puffs.	Pack

EXPECTORANTS AND COUGH SYRUPS

280	00280	Syp. Aminophyline 32mg; diphenhydramine 8mg; Amm. Chloride 30mg; Mentho 0.98mg;Alcohol 5% bottle of 450ml.	Bottle
281	00281	Syp. Ammonium Chloride 100mg; Sod. Citrate 60mg; Chloroplemiramine Maloate 2mg; Ephodrine HCL 7mg; Menthal 1mg/5ml pack of 50ml.	
282	00282	Syp. Mepyramine Maleate 6.25mg; Pheniramine Maleate 6.25mg; and Phenylpropanol mine HCL 12.5mg/5ml bottle of 120ml.	Bottle
283	00283	Syp. The ophylline Sodium Glycinate 160mg/5ml. bottle of 120ml.	Bottle

284	00284	Syp. Triprolidine HCL 1.25mg; 30mg; Dextromethorpin HCl 10 mg /5ml bottle of 60ml	Pseudoephedrine HCL	Bottle
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285	00285	Syp. Triprolidine HCL 1.25mg; 30mg/5ml bottle of 450 ml.	Pseudoephedrine HCL	Bottle
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GASES

286	00286	Carbon Dioxide		
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287	00287	Liquid Nitrogen		
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288	00288	Nitrous Oxide.		
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289	00289	Oxygen.		
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HARMONES

290	00290	Inj. A.C.T.H. 4 0 units.		Amp
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291	00291	Tab. Betamethasone Sodium Phosphate 0.5mg. pack of 500		Pack
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292	00292	Tab. Carbimazole 5mg pack of 100.	Pack
293	00293	Tab. Dexamethasone 0.5mg. Tin of 1000.	Tin
294	00294	Inj. Dexamethasone 4mg/ml. vial of 5ml.	Vial
295	00295	Inj. Dexamethasone Sodium Phosphate 4mg/ml vial of 1ml	Vial
296	00296	Inj. Gestonorone Caproate 200mg/2ml. Amp of 2ml	Amp
297	00297	Inj. Hydrocortisone Sodium Succinate (Mixovial) 250mg Vial of 2ml.	Vial
298	00298	Inj. Hydroxyprogesterone Caproate 250mg/ml. Box of 3	Box
299	00299	Inj. Iron Dextran (2ml)/Inj. Iron Sorbital (1.5ml). Pack of 50/100.	Pack
300	00300	Tab. Levothyroxin/Thyroxin 50mg. Pack of 100.	Box

301	00301	Inj. Methyl Ergometrene 0.2mg/ml. Box of 50.	Box
302	00302	Inj. Methyl Prednisolone 80mg/2ml.	Vial
303	00303	Inj. Methyl Prednisolone 40mg/ml	Vial
304	00304	Tab. Norethisterone 5mg. pack of 30	Pack
305	00305	Inj. Oxytocin 5 I.U./ ml. Box of 100.	Box
306	00306	Tab. Prednisolone 5mg. pack of 1000.	Pack
307	00307	Tab. Stilboestrol 120mg. pack of 20	Pack
308	00308	Tab. Tamoxifen 10mg. pack of 100	Pack

309	00309	Inj. Testosterone 100mg/ml. Pack of 3.	Amp.
310	00310	HISTAMINES; ANTIHISTAMINES & ANTIALLERGIC DRUGS	
310	00310	Inj. Adrenaline 1 in 1000. Box of 100.	Box
311	00311	Tab. Antazoline 100mg. pack of 1000.	pack
312	00312	Inj. Antigen protein 20Mcg; absorbed on 0.5mg Al.	Ampoule
313	00313	Tab. Chlorpheniramine Maleate.4mg pack of 1000.	Pack
314	00314	Elixir Promethazine HCL 5mg/5ml. bottle of 110ml.	Bottle
315	00315	Tab. Mebhydroline 30mg. pack of 250	pack
316	00316	Syp. Mebhydroloine 50mg/5ml. bottle of 100ml	Bottle

317	00317	Tab. Pheniramine Maleate 25mg. pack of 250	Pack
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318	00318	Tab. Promethazine HCL 10mg. pack of 500	bottle
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319	00319	Tab. Promethazine Theocalate 25mg. pack of 100.	Pack
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320	00320	HOSPITAL DISPENSING ITEMS	
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320	00320	Acacia B.P. pack of 1Kg	Pack
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321	00321	Acriflavin. B.P pack of 1Kg.	Pack
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321A	00321A	Amm Chloride B. pack of 1Kg	Pack
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322	00322	Boric Acid. B.P pack of 1Kg.	Pack
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323	00323	Camphor. B.P pack of 1Kg.	Pack
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324	00324	Carbolic Acid. B.P pack of 1Kg.	Pack
325	00325	Ext Glycyrrhiza. bottle of 450ml	Bottle
326	00326	Ext Glycyrrhiza Liquid. bottle of 450ml.	Bottle
327	00327	Ferrous Sulphate. B.P pack of 1Kg.	Pack
328	00328	Gention Violet. B.P pack of 100mg.	Pack
329	00329	Glucose B.P pack of 1Kg.	Pack
330	00330	Hard paraffin. B.P. pack of 5 Kg	Pack
331	00331	Hexyl Resorcinol Throat paint. pack of	Pack
332	00332	Hydrogen peroxide BP Liquid. bottle of 450ml.	Bottle

333	00333	Iodine B.P. pack of 100gm	Pack
334	00334	Kaolin B.P. pack of 1Kg.	Pack
335	00335	Liquid Paraffin B.P. pack of 1Kg.	pack
336	00336	Spt. Methylated.	Gallon
337	00337	Sodium K. Citrate Acid B.P. pack of 1Kg	Pack
338	00338	Peppermint Oil B.P. pack of Lb.	Bottle
339	00339	Potassium Chloride B.P. pack of 1Kg.	Pack
340	00340	Potassium Permanganate B.P. pack of 450gm.	Pack
341	00341	Sodium Bicarbonate B.P. pack of 1Kg.	Pack

342	00342	Sodium Chloride B.P. pack of 1Kg.	Pack
343	00343	Soft paraffin B.P. pack of 5Kg.	Pack
344	00344	Sulphur B.P. pack of 1Kg.	Pack
345	00345	Tinct Cardamom. bottle of 450ml.	Bottle
346	00346	tinct Ipecachuamna. bottle of 450ml.	Bottle
347	00347	Turpentine Oil B.P. bottle of 450ml.	Bottle
348	00348	Wool Fat B.P. pack of 5Kg.	Pack
349	00349	Zine Oxide B.P. pack of 1 Kg	Pack

HYPNOTICS AND SEDATIVES

350	00350	Tab. Diazepam 5mg. pack of 1000.	Pack
351	00351	Inj. Paraldehyde 5ml. box of 100.	Box
352	00352	Tab. Phenobarbitone 30mg. pack of 1000.	Pack
353	00353	Syp. Triclofos 500mg/5ml. bottle of 30ml.	Bottle
354	00354	I.V.SOLUTIONS	
354	00354	Inj. Balanced Salt Solution. Box/Bag of 500ml/15ml	Botl/Bag
355	00355	Inj. Darrows Solution 500ml with Infusion Set.	Bag/bottle
356	00356	Inj. Dextran 70 bag of 500ml with infusion set.	Bag

357	00357	Inj. Dextrose 25% Ampoule 25 ml	Amp.
358	00358	Inj. Dextrose in water 10% bag of 1000ml with infusion set.	Bag
359	00359	Inj. Distilled Water 5ml box of 100	Box
360	00360	Inj. Dextrose in water 25% bag of 1000ml with infusion set.	Bag
361	00361	Inj. Dextrose in water 5% Bag/bottle of 1000ml with infusion set.	Bag/bottle
362	00362	Inj. Dextrose with normal saline bag of 1000ml with infusion set.	Bag
363	00363	Inj. Hartman's solution bag of 500ml with infusion set.	Bag/bottle
364	00364	Inj. Mannitoal 20% bag of 500ml with infusion set.	Bag/bottle
365	00365	Inj. Potassium Chhloride amp of 25ml	Ampoule

366	00366	Inj. Ringer Solution bat/bott of 500ml with infusion set.	Bag/bottle
367	00367	Inj. Normal Saline bag of 1000ml with infusion set	Bat
368	00368	Inj. Sodium Bicarbonate 8.4% bag of 250ml with infusion set	Bag/bottle
368A	00368A	Inj. Sodium Bicarbonate 8.4% vial of 50ml	Vial
369	00	MIOTICS AND ANTO GLAUCOMA DRUGS	
369	00369	Tab. Acetazolamide 250mg/Dichlorphenamide 50mg. pack of 10/100.	Pack
370	00370	Drops Butoxalol 0.5% / Timolol 0.5% / Levobunolol 0.5% pack of 5ml/3ml/5ml.	Pack
371	00371	Inj. Carbachol Intra Ocular pack of 15ml.	Pack
372	00372	Drops Pilocarpine 2% pack of 15ml	Bottle

MYDRIATIC / CYCLOPLEGIC DRUGS

373	00373	Drops Atropine 1% pack of 15ml.	Bottle
374	00374	Oint. Atropine 1% tube tube of 5gm	Tube
375	00375	Drops Homatropine 2% pack of 15ml	Bottle
376	00376	Drops Phenylephrine 10% (Eye). bottle of 5ml.	Bottle
377	00377	Drops Tropicamide 1% bottle of 15ml.	Bottle

PSYCHOTROPIC DRUGS

378	00378	Tab. Bromocriptine 2.5mg. pack of 30	Pack
379	00379	Tab. Bromocriptine 5mg. pack of	Pack

380	00380	Tab. Bromocriptine 10mg. pack of	Pack
381	00381	Tab. Chlorpromazine 100mg. pack of 500	Pack
382	00382	Inj. Chlorpromazine 25mg/ml. Ampoule of 2ml. pack of 100	Pack
383	00383	Tab. Chlorpromazine 25mg. pack of 1000	Pack
384	00384	Inj. Fluphenazine Decanoate 25 mg/ml	Vial
385	00385	Susp. Haloperidol 2 mg/ml. bottle of 15ml.	Bottle.
386	00386	Tab. Haloperidol 5mg. pack of 100.	Pack
387	00387	Tab. Haloperidol 10mg. pack of 50.	Pack
388	00388	Inj. Haloperidol 5mg/ml pack of 25	Pack

389	00389	Tab. Carbidopa 25mg — Levodopa 250mg. pack of 100.	Pack
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390	00390	Tab. Procyclidine 5 mg. pack of 100	Pack
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PURGATIVES

391	00391	Tab. Bisacodyl pack of 1000.	Pack
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392	00392	Suppository Bisacodyl 0.01gm pack of 50.	Pack
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393	00393	Castor Oil B.P. Drum of 5kg.	Pack
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394	00394	Suppository Glycerine 70% W/W pack of 12.	Pack
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395 00395 **SERA AND VACCINES**

395	00395	Inj. Anti Tetnus Toxoid	Vial
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396	00396	Inj. Diphtheria Antitoxin 10000IU	Vial
397	00397	Inj. Diphtheria Antitoxin 20000 IU	Vial
398	00398	Inj. Tetnus Antitoxin 50000 IU	Vial
399	00399	Inj. Tetnus Antitoxin (Human) 500 IU	Vial
400	00400	Inj. BCG (Dried) Vaccine	Vial
401	00401	Inj. Diphtheria-Pertussis-Tetanus Vaccine	Vial
402	00402	Inj. Diphteria-Tatanus Vaccine	Vial
403	00403	Inj. Hepatitis B Vaccine	Vial
404	00404	Inj. Meningococcal Vaccine	Vial
405	00405	Inj. Poliomyelitis Vaccine (Live Attenuated) Sol-Oral.	Vial
406	00406	Inj. Rabies Vaccine	

407	00407	Inj. Tetanus Vaccine	Vial
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408	00408	SKIN PREPARATIONS	
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408	00408	Cream/Oint. Acriflavin Neutral 1%. tube of 30gm.	Tube
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409	00409	Lotion/Emulsion Benzyl Benzoate bottle of 450ml.	Pack
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410	00410	Oint. Betamethasone with Neomycine tube of 15gm	Tube
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411	00411	Lotion Calamina bottle of 500ml	Bottle
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412	00412	Cream Cetrimide. tube of 30gm	Tube
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413	00413	Solution Chlorhexidine Gluconate 1.5% and 0.3% w/v — Cetrimide. 15% and 1.5% pack of 1 litre	Pack
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413A	00413A	Solution Chlorhexidine Gluconate 4% pack of 500 ml.	Pack
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414	00414	Solution Chloroxylenol B.P. pack of 4.5 litre	Pack
415.	00415	Cream Silver Suplhadiazine. Jar of 250gm.	Jar
417	00417	Cream Silver Sulphadiazine Jar/Tube of 50 gm.	Tube/Jar
418	00418	Cream Difluocortilone 1% tube of 5gm	Tube
419	00419	Glycerine B.P. Drum of 5kg	Pack
420	00420	Hexachlorophene.	Pack
421	00421	Oint. Methylsalicylate pack of 1kg.	Pack
422	00422	Powder Nitrofurazone. pack of 15 gm.	Pack
423	00423	Drops Polymyxin B.Sulphate 1000U: Lignocaine HCL 50gm; and Propylene Glycol (Ear). pack of 5ml	Vial

424	00424	Inj. Antiscorpion Sera.	Vial
425	00425	Rectified Spirit,	Gallon
426	00426	Silver Nitrate Crystals, B.P. pack of 450gm	Pack
427	00427	Oint. Sulphur. B.P. Tin of 1kg.	Tin
428	00428	Weak Solution of Iodine 2.5% pack of 450ml	Pack
429	00429	Oint. Zinc B.P. Tin of 1kg.	Tin

VITAMINS & MINERALS.

430	00430	Syp. Calcium Glucono Galacto gluconate 28.75% ; Calcium Galeto gluconate 5.9% bottle of 120 ml.	Bottle.
431	00431	Tab. Calcium Gluconate. 1000mg pack of 100.	Pack

432	00432	Tab. Calcium Lactate 300 mg pack of 1000	Pack
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433	00433	Ing: Thiamine 100 mg; Pyridoxine, 100 mg and Cyancobalamine 1000 mcg. 3ml. pack of 25.	Box.
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VITAMINS AND HEMATINICS.

434	00434	Syp: Ferrous Gluconate 300 mg/5ml bottle of 120 ml.	Bottle.
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435	00435	Tab: Ferrous Sulphate 150 mg. pack of 30.	Pack
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436	00436	Tab: Folic Acid 5 mg. pack of 1000	Pack
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437.	00437	Tab. Multi Vitamin. Each tablet contains Vit. A 5000 I.U; Vit. D 1000 I.U; Thiamine 3 mg; Riboflavin 3 mg; Nicotinamide 20 mg; Ascorbic acid 30 mg. pack of 1000.	Pack
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437	00437	Cap. Vit. A& D each contain Vit A. 4500 I.U and Vit. D. 450 I.U. pack of 1000.	Pack.
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438	00438	Liq: Vit A&D each ml contain (Vitamin A 1000 I.U Vit. D.100 I.U) Bottle of 12ml.	Bottle
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439	00439	Tab. Vit. B.Complex sugar coated each tab. contain (Vit. B1-1mg), B2- 1mg; Nicotinamide 15mg. pack of 1000.	Pack
440	00440	SYP Vitamin B-Complex: Each 15 ml contains Vitamin B 1-3 mg; Vit B2-3 mg. Pyridoxine 2mg; nicotinamide -23 mg. Pack of 450ml.	Box.
441	00441	Drops. Multi Vitamin: each 0.6 ml contains Vit A - 5000; Vit-D-400, Vit-B1- 1mg; B2-0.4mg; Nicotinamide 5 mg; Vit-C-50 mg. Bottle of 20ml	Bottle.
442	00442	Tab. Vit. C 500 mg; bottle of 100.	Bottle.

MISCELLANEOUS GROUP OF DRUGS.

433	00433	Spansule Ibuprofen 300 mg. pack of 30.	Pack.
444.	00444	Tab. Becampicillin Hcl. pack of 100.	Pack.
445	00445	Syp. Becampicillin 40 mg/ml Bott. of 50 ml.	Bottle.

446	00446	Cap Ferrous Sulphate - 150 mg; Folic acid- 5mg; Vit B2- 2mg; Nicotinamide- 10mg; Vit C-400mg. pack of 30	Pack
447	00447	Inj: Adrenochrome monosemicarbazone. pack of 10	Box.
448	00448	Inj: Flupenthixol 20mg/ml.	Ampoule.
449.	00449	Inj: Flupenthixol 40 mg/ ml.	Vial / Ampoule.
450.	00450	Inj: Flupenthixol 100 mg/ ml.	Vial / Ampoule.
451.	00451	Inj: Clopenthixol 200 mg/ ml.	Vial
452.	00452	Inj: Kanamycin Sulphate 1 gm.	Vial.
453.	00453	Inj: Triamicinolone Acetonide 40 mg	Vial.
454.	00454	Inj: Cefopyrazone 1 G.	Vial.
455.	00455	Inj: Polygelline 35 G with electrölytes. Bag of 1000 ml with giving set.	Bag.

456.	00456	Inj: Clemastine 2 mg/ 2ml. box of 50.	box.
457.	00457	Inj: Antazoline 50 mg /ml (2ml ampoule) Box of 100	Box
458.	00458	Tab: Clemastine 1 mg. Pack of 30.	Pack.
459.	00459	Tab: Clobezam 10 mg. Pack of 100 (hundred)	Pack.
460.	00460	Tab: Propyphenazone 125 mg/ Caffeine 25 mg. Pack of 1200.	Pack.
461.	00461	Tab: Ofloxacin 200 mg. Pack of 10.	Pack.
462.	00462	Susp. Domperidone. Bottle of 90 ml.	Bottle.
463.	00463	Drops Domperidone. Bottle of 15 ml.	Bottle.
464.	00464	Diflunisal 500 mg. Pack of 100	Pack.

465.	00465	Tab: Tioprofenic Acid 200 mg. Pack of 100.	Pack.
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466.	00466	Tab: Nadolol 80 mg. Pack of 20.	Pack.
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467.	00467	Tab: Halofantrine Hcl. Pack of 6.	Pack.
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468.	00468	Cap: Cefaclor 250 mg. Pack of 12.	Pack.
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469.	00469	Cap: Cefaclor 500 mg.	Pack.
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470.	00470	Syp: Cefaclor 250 mg/5 ml. Bottle of 60 ml.	Bottle.
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471.	00471	Clove Oil B.P. Pack of 1 Lb.	Pack.
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472.	00472	Zinc Oxyphosphate Cement.	Pack.
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473.	00473	Silver alloy.	Pack.
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474.	00474	Tannic Acid Powder.	Pack.
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475.	00475	Tr. Aconite. Bottle of 450 ml.	Bottle
476.	00476	Tr. Benzoin Co. /450 ml. Bottle of 450 ml.	Bottle
477.	00477	Mercurochrome powder B.P. Pack of 1 Kg.	Pack.
478.	00478	Proparacaine Hcl Eye drops 0.5%. Bottle of 15 ml.	Bottle.
479.	00479	Tab. Amitriptylline 25 mg. Pack of 500.	Pack.
480.	00480	Tab. Meprotiline 10 mg. Pack of 100.	Pack.
481.	00481	Tab. Meprotiline 25 mg. Pack of 30.	Pack.
SURGICAL & OTHERS			
482.	00482	Black Silk Sterilized (Foil Packing on Needle) 4/0. with 25 mm Curved Needle Box of 12 Tubes/ Foils	Box

483.	00483	Black Silk Sterilized (Foil Packing on Needle) 3/0 with 30 mm, 1/2 Circle Needle Box of 12 Tubes/ Foils	Box
484.	00484	Black Silk Sterilized (Foil Packing on Needle) 2/0 with 30 mm, 1/2 Circle Needle Box of 12 Tubes/ Foils	Box
485.	00485	Black Silk Sterilized (Foil Packing on Needle) 0 with 60 mm, Straight Cutting Needle Box of 12 Tubes/ Foils	Box
486.	00486	Catgut Sterila Plain 4/0 without Needle Box of 12 Tubes/ Foils	Box
487.	00487	Catgut Sterile Plain 3/0 without Needle Box of 12 Tubes/ Foils	Box
488.	00488	Catgut Plain 2/0 Sterilized without Needle Box of 12 Tubes/ Foils	Box
489.	00489	Catgut Plain 0/0 Sterilized without Needle Box of 12 Tubes/ Foils	Box
490.	00490	Catgut Plain 1 Sterile without Needle Box of 12 Tubes/ Foils	Box

491.	00491	Catgut Chromic 4/0 Sterile without Needle Box of 12 Tubes/ Foils	Box
492.	00492	Catgut Chromic 3/0 Sterile without Needle Box of 12 Tubes/ Foils	Box
493.	00493	Catgut Chromic 2/0 Sterile without Needle Box of 12 Tubes/ Foils	Box
494.	00494	Catgut Chromic 0 Sterile without Needle Box of 12 Tubes/ Foils	Box
495.	00495	Catgut Chromic 1 Sterile without Needle Box of 12 Tubes/ Foils	Box
496.	00496	Catgut Chromic 2 Sterile without Needle Box of 12 Tubes/ Foils	Box
497.	00497	Sterile Catgut Chromic on curved needle 4/0 Box of 12 Tubes/ Foils	Box
498.	00498	Sterile Catgut Chromic 3/0 on curved needle 45mm Box of 12 Tubes/ Foils	Box
499.	00499	Sterile Catgut Chromic 2/0 on Curved needle 45mm Box of 12 Tubes/ Foils	Box

500	00500	Sterile Catgut Chromic 0/0 on Curved needle 45mm Box of 12 Tubes/Foils	Box
501	00501	Sterile Catgut Chromic 1 on Curved needle Intestinal 45mm Box of 12 Tubes/Foils	Box
502	00502	Sterile Catgut Chromic 2 on Curved needle 1/2 Circle (Heavy) 40mm Box of 12 Tubes/Foils	Box
503	00503	Sterile Catgut Curved on Needle Plain 4/0 Box of 12 Tubes/ Foils	Box
504	00504	Sterile Catgut Curved on Needle Plain 3/0 Box of 12 Tubes/ Foils	Box
505	00505	Catgut Curved on Needle Plain 2/0 Sterile Box of 12 Tubes/ Foils	Box
506	00506	Catgut Curved on Needle Plain 0 Sterile Box of 12 Tubes/ Foils	Box
507	00507	Catgut Curved on Needle Plain 1 Sterile Box of 12 Tubes/ Foils	Box
508	00508	Coated Polyester 5/0 with 8 mm, 1/2 Circle Spatula Double Needle Box of 12 Foils	Box

509.	00509	Coated Polyester Box of 12 Foils	4/0 with 20 mm, 1/2 Circle Round Body Double Needle	Box
510.	00510	Coated Polyester Box of 12 Foils	3/0 with 25 mm, 1/2 Circle Round Body Double Needle	Box
511.	00511	Coated Polyester Box of 12 Foils	2/0 with 25 mm, 1/2 Circle Tapercut Double Needle	Box
512.	00512	Coated Polyester Box of 12 Foils	0 with 25 mm, 1/2 Circle Tapercut Needle	Box
513.	00513	Inj: Antivenom Sera		Vial/ Ampoule
514.	00514	Coated Polyester Box of 12 Foils	1 with 30 mm, Round Body Needle	Box
515.	00515	Coated Polyester Box of 12 Foils	2 with 45 mm, Tapercut 1/2 Circle Needle	Box
516.	00516	Coated Polyester	3	
517.	00517	Coated Polyester	4	

518.	00518	Cotton Bandages Cloth (B.P.C. Specifications). Cloth Loose woven Width 1 M, Length 50 M.	
519.	00519	Cotton Bandages B.P.C. 3 cm x 6 m.	
520.	00520	Cotton Bandages B.P.C. 4 cm x 6 m.	
521.	00521	Cotton Bandages B.P.C. 6 cm x 6 m.	
522.	00522	Cotton absorbant Gamma Sterilized Exe Pads.	
523.	00523	Cotton absorbant Gamma Sterilized Lint dressing.	
524.	00524	Cotton absorbant Gamma Sanitary Pads	
525.	00525	Cotton absorbant Gamma Sterilized swabs	
526.	00526	Cotton Crepe Bandages 7.5 cm x 4.5 m. Box of 12	Box
527.	00527	Cotton Crepe Bandages 10 cm x 4.5 m. Box of 12	Box

528.	00528	Inj: Anti-D Immunoglobulin (Human) 0.25 mg/ml	Vial
529.	00529	Disposable Syringe with Needle 2 ml.	
530.	00530	Disposable Insulin Syringe with Needle 5 ml.	
531.	00531	Disposable Insulin Syringe with Needle 10 ml.	
532.	00532	Disposable Insulin Syringe with Needle 20 ml.	
533.	00533	Disposable Insulin Syringe with Needle 50 ml.	
534.	00534	Haemostatic Pad Sterilized 10 x 20 cm.	
535.	00535	Intensifying Screen 14 x 17"	
536.	00536	Intensifying Screen 14 x 14"	
537.	00537	Intensifying Screen 10 x 15"	
538.	00538	Intensifying Screen 10 x 10"	

539.	00539	Intensifying Screen	78 x 10"	
540.	00540	Membrane Dressing Sterilized		
541.	00541	Nylon on Needle Needle Box of 12 foils	10/0 with 60 mm Micropoint Spatula Curved Double	Box
542.	00542	Nylon on Needle Box of 12 foils	8/0 with 8 mm, Round Bottom Double Needle	Box
543.	00543	Nylon on Needle Box of 12 foils	6/0 with 26 mm Curved Cutting Needle	Box
544.	00544	Nylon on Needle Box of 12 foils	5/0 with 25 mm Slim Blade Curved Cutting Needle	Box
545.	00545	Nylon on Needle Box of 12 foils	4/0 with 19 mm Curved Reverse Cutting Needle	Box
546.	00546	Nylon on Needle Box of 12 foils	3/0 with 26 mm 1/2 Circle round body Needle	Box
547.	00547	Nylon on Needle Box of 12 foils	2/0 with 30 mm, 1/2 Circle round body Needle	Box

548.	00548	Nylon on Needle	0 with 40 mm. 1/2 Circle round body Needle	Box
549.	00549	Disposable Insulin Syringe		
550.	00550	Nylon on Needle Box of 12 foils	1 with 40 mm. 1/2 Circle round body Needle	Box
551.	00551	Nylon on Needle Box of 12 foils	2 with 40 mm. 1/2 Circle round body Needle	Box
552.	00552	Paper Rolls for ECG.		
553.	00553	Paper Rolls for EGG		
554.	00554	Paper Rolls for Analyser		
555.	00555	Paper Rolls for Computer		
556.	00556	Poly Propylene on Needle Box of 12 foils	6/0	Box
557.	00557	Poly Propylene on Needle Box of 12 foils	5.0	Box

558.	00558	Poly Propylene on Needle Box of 12 foils	4/0	Box
559.	00559	Poly Propylene on Needle Box of 12 foils	3/0	Box
560.	00560	Poly Propylene on Needle Box of 12 foils	2/0	Box
561.	00561	Poly Propylene on Needle Box of 12 foils	0/0	Box
562.	00562	Poly Propylene on Needle Box of 12 foils	1	Box
563.	00563	Poly Propylene on Needle Box of 12 foils	2	Box
564.	00564	Polyglactin on Needle Box of 36 foils	4/0	Box
565.	00565	Polyglactin on Needle Box of 36 foils	3/0	Box
566.	00566	Polyglactin on Needle Box of 12 foils	2/0	Box

567.	00567	Polyglactin on Needle Box of 36 foils	0/0		Box
568.	00568	Polyglactin on Needle Box of 36 foils	1		Box
569.	00569	Polyglactin on Needle Box of 36 foils	2		Box
570.	00570	Stainless Steel Wire	SWG	26	
571.	00571	Stainless Steel Wire	SWG	24	
572.	00572	Stainless Steel Wire	SWG	22	
573.	00573	Stainless Steel Wire	SWG	20	
574.	00574	Stainless Steel Wire	SWG	18	
575.	00575	Thermal Paper Rolls for Video Printer for Ultra Sound			Pack
576.	00576	Tulle Gras Sterilized			Pack

577.	00577	Ultra Sound Gel	Pack
578.	00578	Virgin Silk 8/0 with 6 mm. micropoint reverse cutting double needle. Box of 12	Box
579.	00579	Virgin Silk (Monofilamentous on corneal needle) 10/0	Pack
580.	00580	X-Ray Automatic Processor	Pack
581.	00581	X-Ray Blue Base Single Coated Film 10"x12"	Pack
582.	00582	X-Ray Bright light for x-Ray reading	Pack
583.	00583	X-Ray Cine Films 35mm	Pack
584.	00584	X-Ray Developer for Automatic Processor (Pre Mixed Liquid)	Pack
585.	00585	X-Ray Developer Salt (Powder)	Pack
586.	00586	X-Ray Developing Tanks	Pack
587.	00587	X-Ray Duplicating Films CRT/Video Image Recording 10"x12"	Pack

588.	00588	X-Ray Duplicating CRT/Video Image Recording 12" x 15"	Pack
589.	00589	X-Ray Duplicating Films/Video Image Recording 8" x 10"	Pack
590.	00590	X-Ray Film Cassettes 14"x17"	Pack
591.	00591	X-Ray Film Cassettes 14" x 14"	Pack
592.	00592	X-Ray Film Cassettes 12" x 15"	Pack
593.	00593	X-Ray Film Cassettes 10" x 12"	Pack
594.	00594	X-Ray Film Cassettes 8" x 10"	Pack
595.	00595	X-Ray Film Rolls for C.T. Scan	
596.	00596	X-Ray Films 14" x 14"	Pack
597.	00597	X-Ray Films 14" x 17"	Pack
598.	00598	X-Ray Film 12" x 15"	Pack

599.	00599	X-Ray Films 10" x 12"	Pack
600.	00600	X-Ray Films 8" x 10"	Pack
601.	00601	X-Ray Fixer for automatic Processor (Liquid)	Pack
602.	00602	X-Ray Fixer Salt (Powder)	Pack
603.	00603	X-Ray Gonadal Shields 0.25mm	Pack
604.	00604	X-Ray Grid Cassette 14" x 17"	Pack
605.	00605	X-Ray Grid Cassette 12" x 15"	Pack
606.	00606	X-Ray Grid Cassette 10" x 12"	Pack
607.	00607	X-Ray Hangers 14" x 17"	Pack
608.	00608	X-Ray Hangers 14" x 14"	Pack
609.	00609	X-Ray Hangers 12" x 15"	Pack

610.	00610	X-Ray Hangers 10" x 12"	Pack
611.	00611	X-Ray Hanger 8" x 10"	Pack
612.	00612	X-Ray Illuminators	Pack
613.	00613	X-Ray Lead Apron 0.25mm	Pack
614.	00614	X-Ray Lead Apron 0.5mm	Pack
615.	00615	X-Ray Lead Glass Goggles 0.25mm	Pack
616.	00616	X-Ray Lead Rubber Gloves 0.25mm	Pack
617.	00617	X-Ray Lead Rubber Gloves 0.5mm	Pack
618.	00618	X-Ray Lead Screens 1mm	Pack
619.	00619	X-Ray Safe light for Dark Room	
620.	00620	X-Ray Thermometer for Developing Tanks	

621.	00621	Syp. Diastase 12.5mg, Pepsin 10 mg, Vit B 1-4mg. B2- 0.5mg, B6-0.5mg, B12-2mcg, Nicotinamide-10mg and pants thenc alcohol 2mg/4ml Bottle of 100 ml	Bottle.
622.	00622	Tube. Polymyxin B.Sulphate, zinc Bactracin Ointment, Tube of 10g	Tube
623.	00623	Torexol Anaesthesia spray.	Bottle
624.	00624	Compound Filling Material.	Pack.
625.	00625	Absorbent Cotton Wool (B.P.C) Pack of 500 gm.	Pack
626.	00626	Absorbent Guaze (B.P.C) Cloth. Width 100cm, Length 30 metters.	Than
627.	00627	Adhesive Plaster. Spool of 7.5 cm x 9 metre	Pack
628.	00628	Bandage Plaster of Paris 15 cm x 2.7 metre. Pack of 12	Pack
629.	00629	Lano Paroffin Gauze sterilized dressing 10cm x 10cm	Pack

630.	00630	Inj. Amoxycillin 250 mg.	Vial.
631.	00631	Inj. Amoxycillin 500 mg.	Vial.
632.	00632	Tab. Di-Iodohydroxy quinaline 300 mg/650mg Pack of 1000/1000	Pack.
633.	00633	Cap. Loperamide 2mg. Pack of 60.	Pack.
634.	00634	Betamethasone 0.1% skin ointment. Tube of 5 gm.	Tube.
635.	00635	Hydrocortisone 1% W/W Skin Ointment. Tube of 5 gm.	Tube.
636.	00636	Inj. Chloropheniramine Maleate 10mg / ml. Pack of 100.	Vial.
637.	00637	Syp. Chloropheniramine Maleate 2mg/5ml. Bottle of 450ml.	Bottle.
638.	00638	Drops Ear. Chloramphenicol 1% Pack of 10 ml.	Vial.

639.	00639	Drops Nasal Methoxamine 0.25% W/V per 100 ml. Pack of 10 ml.	Vial.
640.	00640	Drops Phenyl ephrine. (Nasal) Pack of 20ml.	Vial.
641.	00641	Drops Nasal Naphazoline Nitrate 125mg; Ephedrine Hcl 500mg. Fluo-Prednisolone Actate 2.5 mg Pack of 15 ml.	
642.	00642	Syp: Pholcodeine 10mg, Citric Acid 100 mg, Spt. Chloroform 0.75 ml/5ml. Bottle of 60 ml.	Bottle.
643.	00643	Tab: Hyoscine N Butyl bromide Metamizal Compound. Pack of 500	Pack.
644.	00644	Cap./Tab. Diphenhydantoin 100 mg. pack of 300.	Pack
645.	00645	Soda Lime Pack of 1 kg.	Pack.
646.	00646	Spt: Ammonia Aromatic. Pack of 450 ml.	Bottle.

647.	00647	Spt: Chloroform. Pack of 450 ml.	Bottle.
648.	00648	Tr. Belladone. Pack of 450 ml.	Bottle.
649.	00649	Ammonium Bicarbonate. Pack of 1 kg.	Pack.
650.	00650	Inj: Nalorphine	
651.	00651	Tab: Vaginal Di-iodhydroxyquinoline Compound Pack of 25.	Pack.
652.	00652	Gum Paint Contains, Clove Oil 10%, Campher 8%, Chlorbutol 2%, Phenol 0.67%, Chloroform 0.93%, Alcohol Soluble constituents of Krameria. Kino-0.63% Pack of 10 ml.	Pack.
653.	00653	Powder Neomycin Sulphate 3,300 units, Zinc Bacitracin 250 units etc. Pack of 10 gm.	Pack.
654.	00654	Mercury B.P. Pack of	Pack.
655.	00655	Alvogyl. Pack of	Pack.

656.	00656	Tab: Thioridazine 10mg. Pack of 30.	Pack.
657.	00657	Tab: Imipramine 25 mg. Pack of 200.	Pack.
657A	00657A	Inj: Antirabbies Hyperimmune Serum 1000 I.U/5 ml.	Vial
658	00658	Catgut Chromic Size 0 With 45mm. Intestinal Straight. Eye less needle. Box of 12 Tubes/Foils.	Box
659	00659	Catgut Chromic Size 2/0, With 40mm, Straight Needle. Box Of 12 Tubes/Foils.	Box
660	00660	Catgut Chromic Size 3/0, With 30mm, R.B. Needle. Box Of 12 Tubes/Foils.	Box
661	00661	Catgut Chromic Size 1. With mm, Intestinal eyl less R needle Box of 12 Tubes/Foils.	Box
662	00662	Catgut Chromic Size 2/0, With 30mm, 1/2 C.R.B. Needle. Box Of 12 Tubes/Foils.	Box
663	00663	Catgut Chromic Size 0, With 30mm, C.R.B. Needle. Box Of 12 Tubes/Foils.	Box

664	00664	Silk Black Braided Saze 2, With 40mm, 1/2 C.R.B. Needle. Box Of 12 Tubes/Foils.	Box
665	00665	Silk Black Braided Size 1, With 30mm, 1/2 C.R.B. Needle. Box Of 12 Tubes/Foils.	Box
666	00666	Silk Black Braided Saze 0, Without Needle. Reel Of 22M.	Box
667	00667	Silk Black Braided Size 2/0 Without Needle. Reel Of 22M.	Box
668	00668	Silk Black Braided Size 3/0, Without Needle. Reel Of 22M.	Box
669	00669	Silk Black Braided Size 1, Without Needle. Reel of 22M.	Box.
670	00670	Silk Black Braided Size 3, Without Needle. Reel of 22M.	Box.
671	00671	Silk Black Braided Size 2, Without Needle. Reel of 22M.	Box.
672	00672	Silk Black Braided Size 4/0, Without Needle. Reel of 22M.	Box.
673	00673	Silk Black Braided Size 5/0 With 10mm, Curved medex recession double needle. Box of 12 Tubes Foils.	Box.

674	00674	Silk Black Braided Size 6:0 With 10mm. Reverse Cutting Micropoint, Needle. Box of 12 Foils.	Box.
675	00675	Silk Black Braided Size 7:0 With 8mm. Micropoint Reverse Cutting double Needle. Box of 12 Foils.	Box.
100800			
676	00676	Polyglactin Size 5:0 With Needle. Box of 12 Foils.	Box.
677	00677	Polyglactin 910, Size 6:0, With Needle. Box of 12 Foils.	Box.



Pakistan Districts That Work Project INDENT FORM

Instructions: Please fill in the indent form for Only 03 items required for a BHU 01 of which should be a medicine while two of which should be equipment.

1. Indentor's Indent No _____
date _____
2. Indentor's designation and address

3. Indentor's telegraphic address _____ Telephone No

4. Head of account to which cost is debitible

5. Date by which stores are required

6. Consignee's designation and address

7. Special instructions, if any

8. Particulars of Stores demanded.

Item No.	Detailed Description of Stores	Specification No./Drawing No. and other Particulars to guide supply	Accounting Unit	Total quantity required	ESTIMATED COST		Remarks
					Rate per unit	Total Cost	
1.	2.	3.	4.	5.	6.	7.	8.
2							
3							

To be based on prevailing market rates or last purchase rate if market rates are not readily available

Signature of Indenting Officer _____

FORMULARY FOR BASIC HEALTH UNITS PUNJAB

PV. No.	Nomenclature
Anesthetic & Adjuvant (General)	
00015-A	Inj. Lingocaine. 2% 2ml
00015-B	Inj. Lingocaine Sol. 2% (Amp. of 10ml)
00010	Ethyl Chloride Spray (Pack of 100ml)
Analgesics & Anti-Inflammatory Drugs	
00023	Tab. Aspirin Soluble 300mg.
00033	Susp. Ibuprofen 100mg/5ml.
00034	
00039	Susp. Paracetamol 120mg / 5ml (Bottle of 60 ml)
00040	Tab. Paracetamol 500mg
Antacids & Allied Drugs	
00045	Susp. Alumina Magnesia Bottle of 450ml.
00049	Tab. Mag. Tricilate 500mg + Aluminium Hydroxide 250mg.
Anthelmintic Drugs	
00058	Syp. Pyrental Pamoate 250mg/5ml.
00059	Tab. Pyrental Pamoate 250mg.
00060-B	Tab. Mebendazole 100mg.
00061-B	Syp. Mebendazole 100mg/5ml
Anti- Diabetic Drugs	
00063	Tab. Glibenclamide 5mg. Pack of 60
00067	Tab Metformin HCL 500mg.
Anti-Diarrhoeal Drugs	
00069	Susp. Furazolidine 0.5% w/v Bottle of 120 ml
00070	Tab Furazolidine 100mg.
00071	Susp Kaolin Paectin Bottle. of 60 /90 ml
00072	O.R.S
Anti-Emetic Drugs	
00074	Syp. Cyclizine 12.5mg /5ml, Bott. Of 50ml.

LIST OF EQUIPMENT AND FURNITURE

SR. No.	STANDARD LIST OF EQUIPMENT AND FURNITURE FOR BHU	STRD. QTY
36	Rectangular Trays S.S. different sizes	4
37	Bowls S.S. with cover medium size	3
38	-do- Small size	4
39	Forceps Plain 6"	1
40	Forceps Toothed 6"	1
41	Artery Forceps Mosquito curved	4
42	Artery Forceps Mosquito Straight	4
43	Needle Holder Eye	1
44	Examination Trolley (Steel)	1
45	Revolving Stools (S.S)	2
46	Viewing Boxes	1
47	Kidney Trays	2
48	Tongue depressors	6
49	Nasal Specula	6
50	Aural Specula	6
51	Nasal Dressing Forceps	6
52	Aural Dressing Forceps	2
53	Syringes Record Type, with Leur Lock 2cc	4
54	Syringes Record Type with Leur 1 Loc 5cc	4
55	Syringes Record Type with Leur Lock 10cc	4
56	Needles for syringes all sizes	12
57	"Paragon" detachable scalpel blades. Size 10.11	4pkt
58	No.3.B.P. Type handles to fit blades sizes	2
59	Forceps Extraction	
	i) Upper Anterior Martin Type	4
	ii) Upper Bicuspidis	2
	iii) Upper Molars	4
	iv) Upper roots reed	4
	v) Upper Tidoems	2
60	Test tube racks	2
61	Test tube Holder	1
62	Slides Microscopic Gross	½
63	Test tube 6" x ¾"	1
64	Test Tubes 4" x ½"	1
65	Chamber Nebular Cover slips for Ozs	½
66	E.S.R. Tubes 6" x ¼"	12
67	E.S.R. Stand for 10 Tubes	1
68	Hemoglobinometer Sahlis Tubes for	1
69	" " Pipettes for	1
70	Microscope Binocular	1
71	Microscope Lamp for	1
72	Syringes all glass 10 ml	1
73	" " 5 ml	8



Pakistan Districts That Work Project

Hand out

Phone No: ----- Fax No: -----

OFFICE OF THE EXECUTIVE DISTRICT OFFICER

No. EDOH/Store (Procurement)/

Dated: dd-mm-yyyy

TENDER FOR EQUIPMENT / INSTRUMENTS/MEDICINES AND FURNITURE

Time of sale of tender from advertisement	Time of opening of tender
To dd-mm-yyyy (till 12 noon)	dd-mm-yyyy 2.00 PM

TERMS & CONDITIONS.

Tenders are required to comply with all the clauses mentioned in terms and condition of the tender and purchase manual &----- and any deviation find will forbid for competing in the tender.

The tender form can be had from this office against the cost of Tender, which has been mentioned in the advertisement.

1. One set of Blank Tender form is being supplied, which may be returned duly filled to this office; the number of pages may be mentioned on the covering envelop.
2. The bidder has to submit authorization letter of the firm, he has to represent.
3. The following documents are required to be attached with the tender from; otherwise the same will not be entertained.
 - x Original purchase receipt of tender.
 - x Whole Sale License / sole distribution ship certificate or proprietary certificate.
 - x Authorization letter of the manufactures / proprietor.
 - x National income Tax Certificate.
 - x Sale Tax Registration Certificate.
 - x Certificate of Professional Tax from Excise & Taxation Department.

- x Bank Reputation Certificate.
 - x Affidavit to the effect that the tendered, his partner / representative agent or any of his relative in his concern has not been black listed / person(s) from Health Department ----- or any other District or any other province.
 - x Call deposit worth of Rs, ----- (Refundable) should be attached with tender form on behalf of the registered competing firm.
Call deposit worth of ----- (Refundable) should be attached in case of unregistered form. The same will be released after completion of stores and NOC from the concerned sections. All documents, literature and catalogue will be supplied in envelope by tenderer.
 - x One sample of each item will be provided with tender bearing Signature & Stamp of supplier.
 - x Price list if the manufacturer with stamp and signature on firms letter head.
 - x Price list of spare parts and accessories with stamp and signature on firm's letterhead.
 - x CNIC No. of proprietor / sole distributor or representative.
 - x CCI & E. registration No. (Photocopy).
 - x Guarantee letter that the supplied Instruments / Equipments is original, brand new & latest model, none of the part is replaced, old or refurbished.
 - x Valid registration / renewal certificate from -----.
 - x Circuit diagram of the product along with complete catalogue / brochure
4. Tender should be properly sealed & the envelope must contain tender inquiry No. on top. The Name of supplier should be affixed on the face of envelop on the left side.
 5. Tender must filled in with Blue or Black ink in the columns provided /or on separate letter head of the firm duly signed.
 6. The tender must be free from erasing, cutting and over writing. In case of erasing & cutting & over writing, authorized person must initial it spaces lift empty on tender forms should be crossed.
 7. Conditional tender will be ignored & will not be considered/ accepted.
 8. The bidders should quote their final price both in figure & words.
 9. The supplier shall furnish the certificate from the manufacture's on whose behalf they are participating to the effect that in case of material supplied declared sub-standard the participating firm as well as the manufacturer are equally responsible for legal consequence under purchase rules envisaging debarring, purchase of risk & cost and Black-listing.
 10. The tender rates should be inclusive of all taxes etc payable to federal, Provincial & District Government or local bodies & no claim on this account shall be entertained.
 11. No manufacturer shall authorize their distributor/ agent/ any firm or person to quote the same item, which the manufacturer is quoting itself in

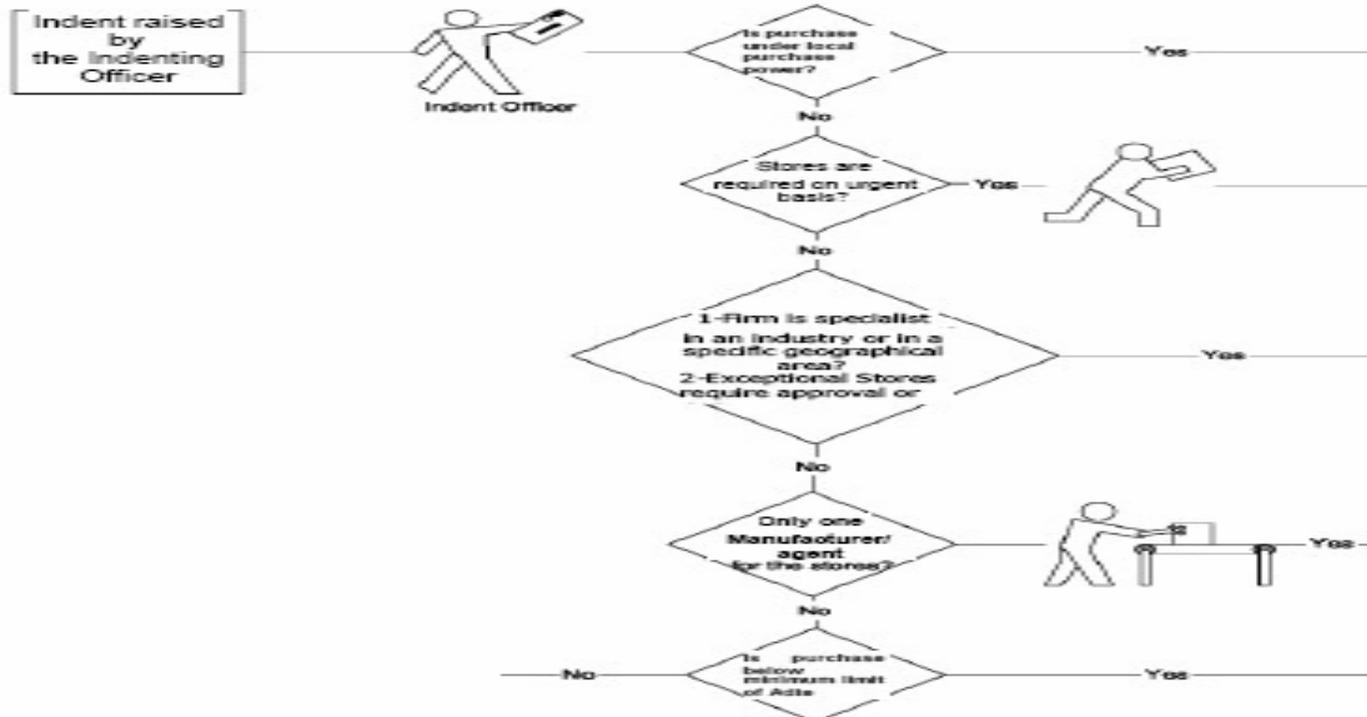
- any tender. Failing that offers of both the manufacturer as well as other bidder shall be ignored.
12. Shelf life of item supplied should be 90%.
 13. Medicines will be as per PVMS list.
 14. Tender shall purchase separate tender documents & furnish purchase receipts for each alternate offer in case they want to submit alternate offer for any item. All the bids with alternate offer with out separate purchase receipt (Original) are suppose to be rejected.
 15. The purchaser dose not pledge himself to accept lowest offer without authorization of Manufacturer Company & reserve the right of accepting the other offer with authorization of Manufacturer Company.
 16. The bidder shall confirm the refund of cost difference if the same equipment instrument & furniture is / was supplied at lower rates to any other Govt: / Executive District Officer Health then payment will be made according to the learned lowest rates.
 17. The purchase reserves the right to increase/ decrease or delete the quantities of equipment instrument & furniture or medicines etc at the time of award of contract.
 18. The purchaser reserve the right to accept or reject any bid & to annul the bidding process and reject all bids at any time prior to award of contract.
 19. The purchaser will notify the successful bidder in writing, delivery by hand or by registered letter, by courier about the relevant approved lowest rates and items.
 20. Subject to the fulfillment of all codal formalities, the purchaser will award the contract to the successful bidder. Both the parties' i-e the purchase and the supplier will sign the contract agreement on the stamp paper with stamps duties as per prevailing Govt. Rules, the expenditure involved on the said contract agreement will be borne by the supplier.
 21. The approved tenderer has to provide guarantee delivery period by which the supply will complete positively.
 22. The inspection committee reserves the right any or all items of equipment and furniture supplied against order for testing by any authority and the purchaser's discretion, before or after the acceptance of supply.
 23. All the supply will be completed with in the stipulated delivery period the Executive District Officer Health reserve the right to forfeit the security deposit and purchase the Equipment / furniture from any other sources on risk and expense of supplier without any notice excess amount if any of account of repurchase will be recovered from supplier in addition to other penalties if son imposed.
 24. The Equipment and furniture found damaged and having on warranty shall be replaced by supplier free of cost.

25. Substandard equipment and furniture, if supplied will not be returned and supplier will be required to supply the same of order specification and of standard quality in addition to the same without any additional expenses on the Government
26. The bill of payment will be prepared on completion of supply and release of inspection note by the inspection committee.
27. The Supplier will have to submit bill / invoice in triplicate.
28. The bidder has to quote rates along with manufactures as given in the tender form columns.
29. The income tax will be deduced at the rate of ----- % or as latest prescribed by the Government on the purchase or changed in the rates announced by Government.
30. The Chairman will have the right to reject the same tender or part of there of. The decision of the Chairman will be final and no appeal shall be entertained against it.
31. In case of engagement of Chairman Purchase committee in other official duties or Holiday announced by the Government the opening date of tender will be set accordingly.
32. Every item will be checked by the any authority on the expenses of supplier.
33. If sub standard equipment and furniture supplied then bidder should be blacklisted.
34. Bidder should be bound to provide invoice along with bill warranty to the purchaser.
36. The manufacture local or foreign should be well reputed.
37. The bidder will be bound to ensure provision of spare parts wherever so needed.
38. The bidder will be bound to provide price list of spare parts which will be valid till the end of the current financial year.
39. The bidder will be bound to provide drawings / brochures of the rate quoted items.
40. The bidder will be bound to produce samples of the rate quoted items if so desired by the authority.
41. The Bidder will be bound to seek pre- polish and post polish inspection in case of furniture.

EXECUTIVE DISTRICT OFFICER HEALTH
DISTRICT -----

Signature & Stamp _____

Different Mode of Purchase



ANTIBIOTICS.

98.	00098	Drops Amoxycillin 100 mg/ ml Bott of 10 ml.	Bott.
99.	00099	Syp: Amoxycillin 125 mg/5 ml Bott of 60 ml.	Bott.
100.	00100	Cap: Amoxycillin 250 mg. pack of 1000 Pack of 1000.	Pack.
101.	00101	Cap: Amoxycillin 500 mg Pack of 250.	Pack.
102.	00102	Syp: Ampicillin 125 mg/5 ml Bott of 60 ml.	Bottle.
103.	00103	Cap: Ampicillin 20 mg Pack of 1000.	Pack.
104.	00104	Inj: Ampicillin 250 mg vial.	Vial.



Pakistan Districts That Work Project

Handout

Special Conditions to be added While Procuring Health Equipment

In addition to the General Conditions of contract the following special conditions shall apply to this contract for the supply of plant and machinery and manufactured equipment. Special conditions where they differ from the General Conditions shall over-ride the latter.

SPECIAL CONDITIONS

1. Definitions:

(a) "Work" means all the works specified or set forth and required in and by the said specification, drawing and schedule as hereto annexed or to be implied there from or incidental thereto, or to be hereafter specified (being in conformity with the said original specifications, drawing and schedule) and also in such additional instructions and drawing not being in conformity as aforesaid as such from time to time during the progress of the work hereby contracted for, be supplied by the purchaser.

(b) "Test" means such test or tests as are prescribed by the specifications to be made by the purchaser, or his nominees, after erection at site before the plant is taken over by the purchaser.

2. Performance of Work :

The work shall be performed at the place or places named in the tender or at such other place or places as may be approved by the purchaser.

3. Specification:

If the Contractor shall have any doubt as to the meaning of any

portion of the conditions or of the specifications, drawing or plan he shall before submitting the tender set forth the particulars thereof and submit them to the purchaser in writing in order that any such doubt may be removed.

4. Mistake in Drawing

The contractor shall be responsible for and shall pay for any alteration of the work due to any discrepancies, errors or omissions in the drawing or other particulars supplied by him whether such discrepancies, errors or omissions be not due to inaccurate information or particulars furnished to the contractor on behalf of the purchaser. If any dimension figured upon a drawing or plan differ from these obtained by sealing the drawing or plan be taken as correct.

No alternations, amendments, omissions, additions, suspensions, or variations of the work (hereinafter referred to as "Variation") under the contract as shown by the contract drawing or the specification shall be made by the contractor except as directed in writing by the Inspector but the Inspector shall have full power subject to the (Proviso) hereinafter contained from time to time during the execution of the contract, by notice in writing to instruct the contractor to make such variation without prejudice to the contract and the Contractor shall carry out such variation: and be bound by the same conditions, so far as applicable as though the said variation, occurred in the specification. If any suggested variation would, in the opinion of the Contractor, if carried out, prevent him from fulfilling any of his obligations or guarantees under the contract he shall notify the inspection thereof in writing and the Inspector shall decide forthwith whether or not the same shall be carried out and if the Inspector confirms his instructions the Contractor's obligations and guarantee shall be modified to such an extent as may in the opinion of the Inspector be justified. The differences of cost if any occasioned by any such variations, shall be added to or deducted from the contract price as the case may be required. The amount of such difference from if any, shall be ascertained and determined in accordance with the rates specified in the schedules of prices so far as the same may be applicable and where the rates are not contained in the said schedules or not applicable they shall be settled by the Purchaser and Contractor jointly. But the Purchaser shall not become liable for the payment or any charge in respect of any such variations unless the instructions for the performance of the same shall have been given in writing by the Inspector.

In the event of the Inspector requiring any variation such

reasonable and proper notice shall be given to the Contractor as will enable him to his arrangements accordingly and in cases where goods or materials are already prepared or any design, drawing or patterns made or work done requires to be altered, a reasonable sum in respect thereof shall be allowed by the purchaser.

Provided that no such variations shall, except with the consent in writing of the contractor, be such as will involve an increase or decrease of the total price payable under the contract by more than 10 percent thereof.

In any case in which the contractor has received instructions from the Inspector as to carrying out the work which other than or later, will in the opinion of the contractor, involve a claim for additional payment, the contractor shall as soon as reasonably possible after receipt of the instruction aforesaid, advise the inspector to that effect.

6. Obligation to carry out Inspectors' Instructions:

The contractor shall also satisfy the Inspector that adequate provision has been made (i) to carry out his instructions fully and with promptitude (ii) to ensure that parts required to be inspected before use are not used before inspection and (iii) to prevent rejected part being used in error, where parts rejected by the inspector have been rectified or altered. Such parts shall be segregated for separate inspection and approved before being used in the work.

7. Responsibility for completeness :

Any fittings or accessories which may not be specifically mentioned in the specifications but which are usual or necessary and to be provided by the contractor without extra charge and the plant must be complete in all details.

In all cases, where the contract provided for tests on site the purchaser, except where otherwise specified shall provide free of charge such labour, materials, fuels, stores, apparatus and instruments as may be requisite from time to time and as may reasonably be demanded efficiently to carry out such tests of the plant, material or workmanship in accordance with the contract.

In the case of contracts requiring electricity for the completion of the works and for tests on site such electricity when available shall be supplied free to the contractor at the pressure of ordinary supply. Unless otherwise specified, the purchaser will supply free of charge to the contractor unskilled labour (2) timber stores and lifting tackle necessary for the erection of the plant and all

consumable stores including fuel and lubricating oils required during erection setting to work and testing the plant. The contractor shall provide (1) skilled labour (2) tools and any other equipment which may be necessary.

8. Supervision

The contractor shall provide adequate supervision at all stages of the work and examine all parts for accuracy before erection is commenced. He shall also provide facilities and space satisfactory to the Inspector for laying out for his inspection any parts to be used in the work at such stage of manufacture as he may direct.

9. Inspection

The Contractor shall inform the Inspector in writing when any portion of the work is ready for inspection, giving him sufficient notice to enable him to inspect the same without retarding the further progress of the work. No portion of the work shall be considered completed in accordance with the terms of the annexed tender until the inspector shall have certified in writing that it has been inspected, and approved by him. The expenses incurred in sending the Inspector carry out inspection and or tests at the place agreed upon in the contract will be defrayed by the Purchaser, provided that the results are satisfactory and in accordance with the terms of the contract. In the event of the inspection and or tests proving unsatisfactory and resulting in the non-acceptance of the plant/structure or any portion thereof, the cost of such inspection and/ or tests (including the traveling and halting expenses incurred, if any) or such portion thereof as may be determined by that officer, shall be borne by the Contractor.

10. Inspection in the country of supply

In cases of materials or parts intended to be imported from outside Pakistan and required inspection in the country of supply, the demand for inspection shall be submitted by the contractor to the Inspector in the form prescribed by the Inspector who will countersign and forward it to the Inspector duly appointed by the Purchaser in the country of supply. The demand for inspection shall be in respect of materials or parts intended for use in execution of work specifically included in the contract, and shall be given particulars of the materials or parts to be inspected.

11. Final Tests :

If required by the Purchaser, all tests necessary to ensure that the plant, machinery or equipment complies with the particulars and guarantees, shall be carried out at the contractor's sub-contractor's premises. Should however, it be necessary for the final tests as to

performance and guarantees to be held over until the plant is erected at site, they shall be carried out within one month of the completion of erection. Should the results of these tests not come within the margin specified, the tests shall, if required, be repeated within one month from the date the plant is ready for retests and the contractor shall pay to the purchaser all reasonable expenses to which he may be put by such tests.

12. Rejection of defective plants :

If the completed plant, or any portion thereof, before it is taken over under clause 17 be defective, or fail to fulfill the requirements of the contract, the Inspector shall give the contractor notice setting forth details of such defects or failure and the contractor shall forthwith make the defective plant good, or alter the same to make it comply with the requirements of the contract. Should he fail to do so within a reasonable time, the purchaser may reject and replace at the cost of the contractor the whole or any portion of the plant as the case may be, which is defective or fails to fulfill the requirements of the contract. Such replacement shall be carried out by the purchaser within reasonable time and at the reasonable price and where reasonably possible to the same particulars and under competitive conditions. The contractor's full and extreme liability under this clause shall be satisfied by the payment to the purchaser of the extra cost of any such replacement, delivered and/or erected as provided for in the original contract; such extra cost being the ascertained difference between the price paid by purchaser under the provision mentioned above, for such replacement and the contract price for the plant so replaced, and the repayment of any sum paid by the Purchaser to the contractor in respect of such defective plant. Should the purchaser not so replace the rejected plant within a reasonable time, the contractor's full and extreme liability under this clause shall be satisfied by the repayment of all moneys paid by the purchaser to him in respect of such plant.

In the event of such rejection the purchaser shall be entitled to the use of the plant in a reasonable and proper manner for a time reasonably sufficient to enable him to obtain other replacement plant. During the period the rejected plant is used commercially the contractor shall be entitled to a reasonable sum as payment for such use.

13. Replacement of defective work or material:

If during the progress of the work, the purchaser or his representative shall decide and notify in writing to the contractor that the contractor has executed any unsound or un-perfect work, or has supplied any plant or materials inferior in quantity or quality to

those specified, the contractor on receiving details of such defect or deficiency shall otherwise within such time as may be reasonably necessary for making it good, proceed to alter, reconstruct or remove such work or supply fresh materials upto the standard of the particulars and in case the contractor shall fail to do so the purchaser may on giving the contractor seven day's notice in writing of his intention to so do, proceed to remove the work or materials complained of and at the cost of the contractor perform all such work or supply such materials, provided that nothing in this clause shall be deemed to the purchaser of or effect any rights under the contract which he may otherwise have in respect of such defect or deficiencies.

14. Appeals:

If the contractor desires to appeal against the decision of the Inspector against the rejection of any work as not being in accordance with the contract he shall appeal to the Chief Purchase Officer, Government of the Punjab, Planning & Development Department, Lahore within 14 days after the Inspector's decision and if any appeal is so preferred the decision of the Chief Purchase Officer shall be final and conclusive.

15. Time and date of completion of the work is the essence of the contract :

The time and date stipulated in the tender for completion of the work shall be deemed to be the essence of the contract. In case of the delay contractor shall in addition to other liabilities mentioned in the General Conditions of Contract be liable for all cost of inspection which may be incurred after the date of which the work ought to have been completed and in the event of the Contractor's failure to complete the work within the period prescribed for such completion the purchaser shall be entitled to withhold any payments until the whole of the work has been completed and to recover from the Contractor a sum of 2% of the total contract price of the work for each and every month or part of a month during which the completion of the work may be delayed. But if the delay shall have arisen from any cause such as strikes, lockouts, fire, accident, riot, etc. which the purchaser may allow such additional time as he may consider to have been required by the circumstances of the case admit as reasonable ground for further time the purchaser wills.

16. Transport and responsibility for breakage on route :

Unless otherwise specified, the consignee will take delivery of the plant from the railway authorities at the railway station named in the schedule, he will undertake the transport of the plant from the

railway station to the site and he will bear the cost of the handling and transportation necessitated but the contractor will be responsible for any damage which may be caused to the plant during transit to site and should ensure the plant at his own cost uptill the time it is taken over as in clause 17.

17. Taking-over:

When all performance tests called for by the particulars have been successfully carried out before shipment the plant shall be accepted and taken over when it has been satisfactorily put into operation on site, or within one month of its being ready to be put into operation whichever shall be the earlier and the Inspector shall forthwith issue a Taking Over Certificate.

In the event of final or any outstanding tests being hold over until the plant is erected, such taking over Certificate shall be issued subject to the results of such final or outstanding tests which shall be carried out but in accordance with clause 11.

When the particulars call for tests on site, plant shall be taken over and the Taking Over Certificate issued immediately such tests have been satisfactorily carried out.

The Inspector shall not delay the issue of any Taking Over Certificate contemplated by this clause on account of minor defects in the plant which do not materially affect the commercial use thereof provided that the Contractor shall undertake to make good the same in due course.

18. Guarantee against defects.

For a period of 12 Calendar months after the plant has been taken over under clause 17, the contractor shall be responsible to the extent in this clause expressed for any defects that may develop under the condition provided for by the contract and under proper use, arising from faulty materials, design or workmanship in the plant or from faulty erection of plant by the Contractor but not otherwise and shall remove such defects at his own when called upon to do so by the purchaser who shall state in writing in what respect the portion is faulty.

If it became necessary for the contractor to replace or renew any defective portion of the plant under this clause, the provisions of this clause shall apply to the portion of the plant so replaced or renewed until the expiration of six months from date of such replacement or renewal or until the end of the above mentioned period of 12 months whichever may be the later. If any defects be

not remedied within reasonable time the purchaser may proceed to do the work at the Contractor's risk and expense, but without prejudice to any other rights which the purchaser may have against the contractor in respect of such defects.

If the replacement or renewals are of such a character as may effect the efficiency of the plant, the Purchaser shall have the right to give to the contractor within one month such replacement or renewal notice in writing that tests on completion will be carried out. Should such tests show that the plant sustains the guarantees given in the contract, the cost of the tests shall be borne by the purchaser. Should the guarantee not be sustained, the costs of the tests shall be borne by the contractor.

All inspections, adjustments, replacements or renewals carried out by the contractor during the maintenance period shall be subject to the same conditions as the contract.

Until the final certificate shall have been issued, the contractor shall have the right of entry, at his own risk and expense, by himself or his duly authorized representative, whose names shall have previously been communicated, in writing to the purchaser at all reasonable working hours upon all necessary parts of the works, for the purpose of inspecting the working and the records of the plants and taking notes there from, and if desired, at his own risk and expense making any tests subject to the approval of the purchaser which shall not unreasonably be withheld.

19. Inability to perform contract

Should the contractors preparation for the commencement of the work, or any portion of it or his subsequently rate of progress be from any cause whatever so slow that in the opinion of the inspector which shall be conclusive the contractor will be unable to complete the work or any portion thereof as agreed upon, or should he not have the work ready for delivery in conformity with the contract or should he neglect to comply with any directions given to him by the Inspector or in any respect fail to perform the contract, the purchaser shall have power to declare the contract at an end, in which cases the contractor shall be liable for any expense, loss or damage which the purchaser or Indentor may incur or sustain by reason of, or in connection with the contractor's default.

20. Sub-letting contract

The Contractor may, with the written permission of the purchaser sub-let assign a portion or portions of the contract for minor details, or for any part of the work of which the makers are named in the contract, provided that any such consent shall not

relieve the contractor from any obligation, duty or responsibility under the contract.

21. Provision of Fencing light etc.

The contractor shall at all times provide sufficient fencing, notice board, light and watchman to protect and warn the public and guard the works and in default thereof the purchaser may provide such fencing, notice boards, light and watchman as he may deem necessary and charge the cost thereof to the Contractor.

22. Access to site and work on site

Suitable access to and possession of site shall be afforded to the Contractor by the purchaser in reasonable time, and the purchaser shall have all such foundation as are to be provided by him ready when required by the contractor. Where a crane is available, its safe lifting capacity shall be stated in the specification and it shall be available for free use of the Contractor until the plant is taken over.

The work, so far as it is carried out on the purchaser's premises shall be carried out at such time as the Purchaser may approve, and so as to interpose unreasonably with the conduct of the Purchaser's business, but the Purchaser shall give the Contractor all reasonable facilities for carrying out the work.

The contractor shall be responsible for the correctness of the positions, levels and dimensions of the works, according to the drawings, notwithstanding that he may have been assisted by the Purchaser or his representative in setting out the same.

The Drugs (Labelling and Packing) Rules, 1986

1. Short title and commencement: (1) These rules may be called the Drugs (Labelling and Packing) Rules, 1986.

(2) They shall come into force on the expiration of the period of one year beginning with their publication in the official Gazette.

2. Definitions: In these rules, unless there is anything repugnant in the subject or context; (a) "international non-proprietary name" means the name of a drug as recommended by the World Health Organization or such other name as may be notified by the Federal Government in the Official Gazette; (b) "pharmacopoeia" means a publication mentioned in sub-clause (ii) of clause (z) of Section 3 of the Drugs Act, 1976 (XXXI of 1976); (c) "pharmacopoeial name" means the name of a drug as mentioned in the pharmacopoeia; (d) "Schedule" means a schedule to these rules; and (e) "registered medical practitioner" means a medical practitioner registered or provisionally registered under the Medical and Dental Council Ordinance, 1962 (XXXII of 1962).

3. Manner of labelling: The following particulars shall appear either in print or in writing in indelible ink in a conspicuous manner on the label of the innermost container of a drug and also on the covering in which such container is packed, namely : --

(a) the registered name of the drug;

(b) if the registered name is a proprietary name, then immediately following the registered name, the generic name or other name, if any, approved by the Registration Board, for this purpose shall be printed within brackets with at least equal prominence as that of the brand name;

(c) the international non-proprietary name or the pharmacopoeial name or the generic name, and if no such name is known, the chemical name, of each active ingredient of a drug with weight or measure in metric system, or the number of units of activity, as the case may be, expressed, --

(i) in the case of oral liquid preparations, in terms of contents per specified volume, the volume being indicated in millilitres;

(ii) in the case of liquid parenteral preparations ready for administration, in terms of millilitres or percentage by volume or dose:

Provided that in the case of a preparation contained in ampoule, it shall be sufficient if the ingredients are shown on the label or wrapper affixed to any package in which such ampoule is issued for sale:

(iii) in the case of drugs in solid form intended for parenteral administration, in terms of weight or unitage, per milligram or gram or per container;

(iv) in the case of tablets, capsules, pills and the like, in terms of the contents per tablets, capsule, pill or other unit, as the case may be; and

(v) in the case of other preparations, in terms of percentage by weight or volume or unitage, per gram or millilitre, as the case may be;

(d) the name and principle place of business of the manufacturer;

(e) the drug manufacturing licence number;

(f) the drug registration number;

(g) the date of expiry;

(h) Urdu version of the following namely: -

(i) registered name of drug.

(ii) dosage (numerals in English shall be sufficient): and

(iii) Instructions.

(i) the distinctive batch number, date of manufacture, and the maximum retail price:

Provided that in the case of a drug packed in a strip of paper, or blister or foil, or contained in an ampoule of a capacity of not more than two millilitres or in an ampoule containing a sterile suture or ligature, and such strip, foil, blister, or ampoule is placed in another package, and also in the case of printed collapsible tubes, it shall be sufficient to give the information on the outer packing containing such strip, foil, blister or ampoule:

Provided further that the Registration Board may allow relaxation of any of these conditions.

4. Labelling of drugs for internal use: The label of container of a drug meant for internal use, except a drug contained in a strip or foil or

blister or collapsible tube, shall, in addition to the particulars required to be given under rule 3, bear in a conspicuous manner,--

- (i) If it contains a substance specified in the Schedule, the words "To be sold on prescriptions of a registered medical practitioner only"; and
- (ii) if it contains not less than three per cent by volume an alcohol, a statement giving the quantity of alcohol in terms of average percentage by volume of absolute alcohol in the finished product.

5. Labelling of drugs for external use only: The label of a container of ointment, cream, liniment, lotion, liquid, antiseptic or any other drug for external application shall, in addition to the particulars required to be given under rule 3, bear in a conspicuous manner,--

- (i) the words "For external use only"; and
- (ii) if the drug contains a substance specified in the Schedule, the words "Poison; for external use only".

6. Labelling of physician's samples: The label of a container of every drug intended for distribution to the medical profession as free sample shall, in addition to the particulars required to be given under these rules, bear the words "Physician's sample: Not for sale" which shall be overprinted or stamped: Provided that if the drug is packed in a strip of paper or blister or foil or contained in an ampoule of a capacity of not more than three millilitres or in a collapsible tube, it shall be sufficient to label the outer packing only with the said words.

7. Labelling of drugs for Government supply: The label of a container of every drug intended for the supply to any Government agency including an autonomous body or a semi-Government Agency shall, while complying with the other labelling requirements of these rules, bear the words or mark reading "Government Supply" or such other words or mark as may be required by the agency concerned.

8. Labelling of drugs for veterinary use: The label of a container of drug for veterinary use shall bear in a conspicuous manner, preferably in red ink the words for veterinary use only.

9. Outer transparent wrapper not to require labelling: Nothing in these rules shall be deemed to require the labelling of any transport cover, wrapper, case or other covering used solely for the purpose of packing, transport or delivery of a drug.

10. Labelling of non-sterile surgical ligature and suture: Every container of, and every wrapper enclosing a surgical ligature or suture,

other than a ligature or suture certified to be sterile and fit for surgical use without further sterilization, shall bear a label on which shall be printed or written in a conspicuous manner in indelible red ink the word "Non-sterile surgical ligature/suture: Not to be used for operation upon human body unless properly sterilized".

11. Use of letter to indicate specifications: If a drug is included in the recent edition of any publication specified in the rules, the name of relevant publication in conventional abbreviations (B.P., U.S.P., etc.) shall be printed in indelible ink, on the label to indicate that the drug conforms to the specifications set out in that publication.

12. Packing of finished drugs: Each finished drug ready of use shall be packed in containers intended for retail sale to a hospital, dispensary, clinic or any other such institution.

13. Labelling of drugs manufactured for export or experimental purposes: (1) Nothing contained in rules 3 to 12 shall apply to a drug manufactured for experimental purposes which shall be labelled in accordance with rule 23 of the Drugs (Licensing, Registering and Advertising) Rules, 1976.

(2) Labelling of drugs manufactured for export shall, in addition to meeting specific requirements of the importers, bear following particulars printed in indelible ink, on the inner most container and other packings of such drugs,--

- (i) name of drugs ;
- (ii) name and address of manufacturer; and
- (iii) batch number and dates of manufacture and expiry date of the drug:

Provided that in case of a drug packed in a strip of paper, foil or blister or contained in an ampoule of a capacity of not more than two millilitres or in a printed collapsible tube or in an ampoule containing a sterile suture or ligature and that such strip, foil, blister or ampoule is placed in another package, then it shall be sufficient to give name, date of expiry and batch number of the drug, name and address of the manufacturer on the inner-most container or its label, while full particulars shall be given on outer packing containing such strip, foil, blister, ampoule or tube.

14. Exemption: These rules shall not be applicable in respect of a drug made up ready for treatment, whether after or without dilution and is

supplied by a person licensed to sell drugs on the prescription of a registered medical practitioner.

Provided that the label bears the following particulars, namely :--

- (i) the name and address of the suppliers of the drug;
- (ii) the name of the patient ;
- (iii) the number representing the serial number of the entries in the prescription register;
- (iv) if the drug is for internal use, the dosage;
- (v) if the drug is for external use, and does not contain a substance specified in the Schedule the words "For external use only"; and
- (vi) if the drug is for external use and contains a substance specified in the Schedule, the words "Poison: for external use only".

THE SCHEDULE

TO BE SOLD BY A RETAILER ON THE PRESCRIPTION OF REGISTERED MEDICAL PRACTITIONER

1. C.N.S. stimulants.
2. Drugs affecting uterine motility.
- 3, Drugs inhibiting hormonal production.
3. Hormones and other steroidal preparation excluding preparations for external and topical use.
5. Narcotic drugs as per Single Convention on Narcotic Drugs, 1961.
6. Psychotropic substances mentioned as per Convention on Psychotropic Substances, 1971