

## ANNEXURE 3: LEVEL 5 BLOOD TRANSFUSION SERVICES EQUIPMENT AND STAFFING SERVICE REQUIREMENTS

EQUIPMENT REQUIREMENTS		STAFFING
<b>1</b>	<b>Blood Collection</b>	Medical Lab Scientists
	Blood donor couches (for centers)	Medical Lab Technicians
	Blood mobile beds (for mobiles)	Medical Lab Assistants
	Weighing scales/foot scales	Nursing Officers
	Blood unit scale and shaker (eg. Hemoscale)	Community Health Workers
	Shygmomanometer (BP machine digital/manual)	Donor clerks
	Domestic refrigerator (donor refreshments)	Donor attendants
	Water dispensers	Blood Donor Counsellors
	Hot water urns/electric jugs	Blood Advocacy Officers
	Bed side trolleys	
	Apheresis machine (hospital can choose to have in their facility)	
<b>2</b>	<b>Blood screening and products</b>	
	*Automated immunochem analyser (eg. Maglumi analyser CLIA system)	<b>TYPES OF BLOOD BANKING SERVICE</b>
	*Semi-automated blood grouping and antibody screening (eg. Biovue)	Make blood products-(FFP, platelets, cryoprecipitate)
	Benchtop centrifuge	Blood crossmatch
	Plasma extractor	Screening of TTIs (HIV, HBV, HCV, Syphilis)
	Waterbath	Antibody screening and isolation
	Blood sealer or Hemosealer	ABO, Rh, Gerbich testing
	Refrigerated blood product centrifuge (floor standing)	*Can use these higher testing modalities for tests above incl. viral -(ELISA and CLIA)
	Linear Platelet agitator	Blood storage and transportation
	Blood thawing machine (table top)	
	Blood tubing stripper	
<b>3</b>	<b>Blood storage</b>	
	Deep freeze (-40oC)	
	Blood fridges (single, double and triple doors)	
	Blood transporters and coolers	
<b>4</b>	<b>Office furnitures and equipment</b>	
	Tables, Chairs, Filing cabinets etc	
	Computers	
	Kitchenette	
	Cupboards and lockers	