

# **ESSENTIAL MEDICINES & DISPOSABLE SUPPLIES LIST**



**Department of Health  
Government of Punjab**





# **ESSENTIAL MEDICINES & DISPOSABLE SUPPLIES LIST**

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# ACRONYMS

BHU	Basic Health Unit
CD	Community Dispensary
CMW	Community Midwife
DHQ	District Headquarter Hospital
DOH	Department of Health
EDL	Essential Drugs List
EML	Essential Medicines List
EPI	Expanded Program on Immunization
INN	international non-proprietary names
IU	international unit
LHW	Lady Health Worker
MCH	Maternal and Child Health
MDR	multidrug-resistance
MIU	million international unit
RHC	Rural Health Center
THQ	Tehsil Headquarter Hospital
UNICEF	United Nations Children's Fund
USAID	U.S. Agency for International Development
WHO	World Health Organization
w/v	weight by volume
w/w	weight by weight



# SYMBOLS AND TERMS

Note: The medicines listed in this list are generic medicines; therefore, the names of the medicines are always written in lowercase letters.

The following symbols are used throughout this list of medicines:

- *Indicates similar clinical performance within a pharmacological class.*
- ⓐ *Indicates an age or weight restriction on use of medicine.*
- ⓒ *Signifies a specific indication for restricting its use to children.*
- ✓ *In the right side column cells indicates that the medicine should be available at that particular facility level.*
- ✗ *In the right side column cells indicates that the medicine should not be given at that particular facility level.*

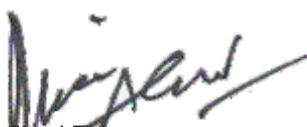


# ACKNOWLEDGMENT

In 2014, with the technical and financial support of USAID, the Department of Health, Government of Punjab, developed province-focused EML in accordance with WHO standards for primary and secondary level health facilities. Per WHO guidelines for EML review each after two to three years, the Department of Health, Government of Punjab with the technical and financial support of USAID funded Global Health Supply Chain Program- Procurement and Supply Management (GHSC-PSM) project reviewed the EML following WHO's 20<sup>th</sup> Model Essential Medicines List 2017, and updated after in-depth consultations with all provincial stakeholders. Moreover, the health and medical professionals from district health offices and public sector health institutions of Punjab have also contributed and provided valuable inputs in updating the EML. Thereafter the provincial technical committee formed has revised and endorsed the updated EML in line with WHO guidelines. The revised and updated version of EML will be available at <http://health.Punjab.gov.pk>.

I would like to express my deepest appreciation to all relevant public sector stakeholders, development partners, health specialists and medical professionals for reviewing, contributing, guiding and supporting the updated EML for primary and secondary healthcare facilities of Punjab.

The DOH highly appreciates the auspicious and productive support of USAID/Pakistan towards strengthening the health sector of the province. We also wish to appreciate Dr. Muhammad Tariq, Country Director, USAID GHSC-PSM Project Pakistan for his leadership role and his dedicated team for their devoted efforts and support provided in updating the EML.



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# ESSENTIAL MEDICINES & DISPOSABLE SUPPLIES

Medicines have a major role in protecting, maintaining, and restoring health. Policymakers and departments implementing health activities and programs are responsible for providing appropriate quality medicines, in adequate quantities, at reasonable prices.

However, to ensure equitable access to quality medicines and to promote their rational use, developing countries still face challenges—even though governments, development agencies, and the World Health Organization (WHO) continue their efforts. The recent reforms in health sector financing, globalization, and economic recessions have shown improved access to essential medicines.

The publication, *WHO Model List of Essential Medicines (WHO 2017)*, is a guide for developing national and institutional essential medicines lists. This model list is regularly revised.

Essential medicines are—

- intended to satisfy the priority healthcare needs of the population
- selected with regard to disease prevalence, evidence on efficacy and safety, and comparative cost effectiveness
- intended to be available within the context of functioning health systems, at all times; in adequate amounts, in appropriate dosage forms, with assured quality, and at a price the individual and the community can afford
- one of the most cost-effective elements in modern healthcare; their potential health impact is enormous.

The WHO list is regularly updated with a selection of medicines that reflect new therapeutic options and changing therapeutic needs. It helps to ensure drug quality and to continue developing better medicines—medicines for emerging diseases and medicines to meet changing resistance patterns.

WHO discourages using the term Essential Drugs Lists (EDL) because the word Drugs is also commonly used for narcotics and other stimulant drugs. Therefore, WHO recommends using the title Essential Medicines List (EML).

## WHAT ARE ESSENTIAL MEDICINES?

Since 2002, essential medicines have been defined as “those that satisfy the priority health-care needs of the population. They are selected with due regard to public health relevance, evidence on efficacy and safety, and comparative cost-effectiveness. Essential medicines are intended to be available within the context of functioning health systems at all times in adequate amounts, in the appropriate dosage forms, with assured quality and adequate information, and at a price the individual and the community can afford. The implementation of the concept of essential medicines is intended to be flexible and adaptable to many different situations; exactly which medicines are regarded as essential remains a national responsibility.” This definition evolved from the first definition in 1977 (WHO 1977), which was adopted in the Alma-Ata Declaration of 1978 (WHO 1978). The main change has been the selection process—from an experts-based approach to an evidence-based approach.

An EML includes a limited number of carefully selected medicines. These lists have been published as formularies and institutional lists of medicines, which are made available to health facilities and health workers. The list may not always be called an EML; but, whatever name is used, they all serve the same function. EMLs have been one cornerstone of public health delivery and the basis for efforts to ensure consistent medicine supply and management. It is an important strategy for improving access to and use of medicines, especially for the vulnerable segment of a population. Furthermore, an EML can be an advocacy tool to help countries spend their limited resources on the medicines that are most needed and that offer the best value for the money.

WHO recommends the following process to develop a national EML (see figure 1).

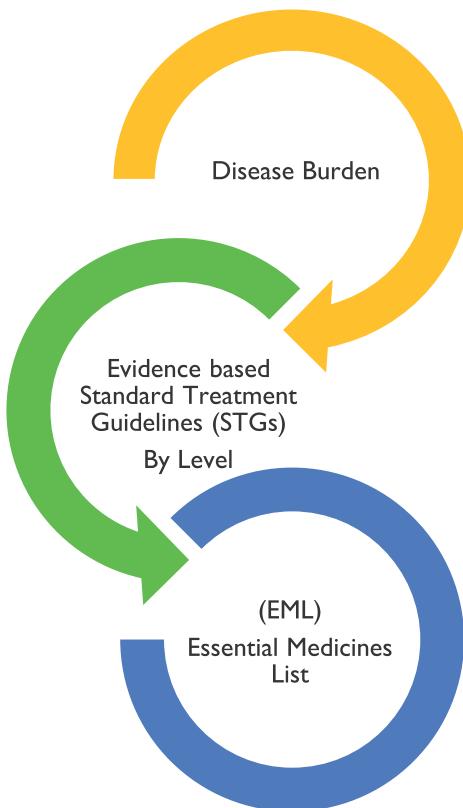
## WHAT ARE DISPOSABLE SUPPLIES?

Medical disposable supplies are the products used for patient care that include wound care supplies, face masks, medical clothing, gloves, syringes, needles, catheters, sutures and devices for transient or short term use.

The Drug Regulatory Authority of Pakistan Act, 2012 was promulgated on 13th November, 2012 (DRAP Act 2012) by the Parliament for the establishment of Drug Regulatory Authority of Pakistan to regulate the manufacture, import, export, storage, distribution and sale of therapeutic goods including drugs, alternative medicines, medical devices, biologicals and other related products as may be notified by the Authority. The medical devices were thus brought under regulation and declared as drugs under the Drug Act, 1976.

The Medical Devices Division established under the DRAP Act 2012, formulated rules called Medical Devices Rules, 2015 (MDR, 2015), for regulation of medical devices. Under these rules medical devices and in vitro diagnostic medical devices have been classified into Class A, B, C and D, depending upon the level of risk they pose to patients, users and other persons, where class D represents the highest risk class. Most of the disposable supplies listed in primary and secondary healthcare facilities lists fall under class A and B.

Figure 1: Development of Essential Medicines List



# USING THE ESSENTIAL MEDICINES LIST

Use the EML for standardized procurement. The EML uses the international non-proprietary names (INN) classification, which is the official shortened scientific name or generic name of the medicine, based on the active ingredient. Using the INN reduces the risk of duplication, confusion, or errors in identifying a product. For example, cotrimoxazole—the official or generic name—is easier to recognize and remember than the range of alternatives, such as Septran, Bactrim, etc.; and it avoids mistakes in prescribing, dispensing, and ordering. Generic medicines are also usually much cheaper than proprietary medicines.

EMLs help simplify the quantification of medicine requirements and the training for those prescribing and dispensing medicines. If only a limited number of medicines are used, health workers will be more familiar with indications, dosages, side effects, and contraindications.

# EXPLANATORY NOTES

The segregated core lists presents the list of minimum medicine needs for a basic healthcare system; it lists the most efficacious, safe, and cost-effective medicines for priority conditions. Priority conditions are selected on the basis of current and estimated future public health relevance and the potential for safe and cost-effective treatment.

An entry on the EML carries no assurance of pharmaceutical quality. It is the responsibility of the relevant procurement authority to ensure that each product is of appropriate pharmaceutical quality (including stability); and that, when relevant, different products are interchangeable.

Medicines and dosage forms are listed in alphabetical order within each section; one form is not preferred over another. Consult standard treatment guidelines for information on appropriate dosage forms.

	The square box  symbol primarily indicates similar clinical performance within a pharmacological class. The listed medicines are examples of the class with the best evidence for effectiveness and safety. In some cases, this may be the first medicine licensed for marketing; in other cases, subsequently licensed compounds may be safer or more effective. If the efficacy and safety data are the same, the listed medicine is the one that is generally available at the lowest price, based on international drug price information sources. Not all square boxes are applicable to medicine selection for children. Therapeutic equivalence is only indicated based on the reviews of efficacy and safety and when consistent with WHO clinical guidelines.
	The  symbol indicates an age or weight restriction for the medicine; see table I for details for each medicine.
	The  symbol signifies a specific indication for restricting its use for children.
	The  symbol in the right side column cells indicates that the medicine should be available at that particular facility level.
	The  symbol in the right side column cells indicates that the medicine should not be given at that particular facility level

Table I: Medicines with Age or Weight Restrictions

artesunate + pyronaridine tetraphosphate	> 5 kg
atazanavir	>25 kg
atropine	>3 months
benzyl benzoate	>2 years
betamethasone topical preparations	hydrocortisone preferred for neonates
cefazolin	>1 month
ceftriaxone	>41 weeks corrected gestational age
darunavir	> 3 years
delamanid	> 6 years
dihydroartemisinin + piperaquine phosphate	> 5 kg
diloxanide	>25 kg
doxycycline	>8 years (except for serious infections, e.g., cholera)
efavirenz	>3 years or >10 kg
fluoxetine	>8 years
ibuprofen	>3 months (except IV form for patent <i>ductus arteriosus</i> )
mefloquine	>5 kg or >3 months
metoclopramide	not for neonates
nevirapine	> 6 weeks
ondansetron	>1 month
silver sulfadiazine	>2 months
tetracaine	not for preterm neonates
trimethoprim	>6 months
xylometazoline	>3 months

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List of Essential Medicines & Disposable Supplies for  
**Primary Healthcare Facilities**

Department of Health  
Government of Punjab

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities			
				LHW	CMW	CD	BHU
<b>(1) ANAESTHETICS LOCAL</b>							
1	bupivacaine (hydrochloride)	vial	0.25%; 0.5%				
		vial/ ampoule	2%				
2	lidocaine (hydrochloride)	topical gel	2%				
		topical solution	4%				
3	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000	✓	✓	✓	
		dental cartridge	2% + 1:80 000		✓		
<b>(2) ANALGESICS / NON-STERoidal ANTI-INFLAMATORY MEDICINES (NSAIMs)</b>							
4	acetylsalicylic acid (dispersible)	tablets	300 mg			✓	✓
		suppository	50 mg to 150 mg			✓	
5	diclofenac (sodium)	tablets	50 mg	✓	✓	✓	
		ampoule	75 mg in 3ml		✓	✓	
6	ibuprofen [a]	tablets	200 mg, 400 mg		✓	✓	
		syrup	200 mg/5ml		✓	✓	
7	paracetamol	tablets	500 mg	✓	✓	✓	
		syrup	120 mg / 5ml	✓	✓	✓	
		Infusion	500 mg in 100 ml		✓	✓	
		suppository	100 mg		✓	✓	

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities			
				LHW	CMW	CD	BHU
<b>(3) ANTIALLERGICS and MEDICINES USED IN ANAPHYLAXIS</b>							
8	<input type="checkbox"/> chlorpheniramine (hydrogen maleate) 	tablets syrup 	4 mg 2 mg / 5 ml			✓	✓
9	dexamethasone (disodium phosphate)	injection	10 mg / ml			✓	✓
10	epinephrine (adrenaline)	injection	4 mg / ml			✓	✓
11	hydrocortisone (sodium succinate)	ampoule	0.5 mg			✗	✓
12	<input type="checkbox"/> prednisolone	injection	1 mg / ml			✗	✓
13	hydrocortisone (sodium succinate) 	tablets	100mg, 250 mg			✓	✓
14	naloxone (hydrochloride)	tablets	5 mg			✗	✗
<b>(4) ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING</b>							
15	atropine (sulphate) 	ampoule	1 mg in 1ml			✓	✓
16	charcoal activated	powder				✓	✓
17	diazepam	injection gel / rectal solutions	10 mg 5 mg/ml in 0.5 ml; 2-ml; 4-ml			✓	✓
18	naloxone (hydrochloride)	ampoule	400 mcg in 1ml			✓	✓
<b>(5) ANTI-CONVULSANTS / ANTI-EPILEPTICS</b>							
19	carbamazepine	tablets syrup	200 mg 100mg / 5ml			✗	✓
20	phenytoin sodium	tablets	250 mg			✗	✓

Sr. #	Generic Drug Name <i>(For eclampsia only)</i>	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
18	magnesium sulphate	injection	500mg/ml	✓	✓	✓	✓	✓
19	phenobarbital (sodium)	tablets	30 mg			✗	✓	
20	divalproex sodium (semi-sodium valproate)	injection	200 mg/ml			✗	✓	
21	albendazole	tablets	200 mg	✓	✓	✓	✓	✓
22	mebendazole	syrup tablets (chewable)	100 mg / 5ml 500 mg (with caution only for adults)	✓	✓	✓	✓	✓
<b>(6) ANTI-HELMINTIC MEDICINES</b>								
23	clotrimazole	topical cream vaginal tablet vaginal cream	1% w/v 100,500 mg 1% w/v			✓	✓	✓
24	nystatin	drops Ⓡ	100,000 IU/ml			✓	✓	✓
25	fluconazole	capsules	50 mg			✓	✓	✓
<b>(7) ANTI-FUNGAL MEDICINES</b>								

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities							
				LHW	CMW	CD	BHU	RHC			
<b>(8) ANTIBIOTICS / ANTIMICROBIALS</b>											
<b>GROUP 1 - KEY ACCESS ANTIBIOTICS</b>											
26	amoxicillin (trihydrate) (preferably dispersible tablets)	capsules / tablet syrup 	250 mg, 500 mg 125mg & 250mg /5ml	✓			✓	✓			
27	amoxicillin + clavulanic acid	injection	250mg, 500 mg			✓	✓				
28	ampicillin (sodium)	tablet	375 mg, 625mg			✓	✓				
29	doxycycline 	injection	250 mg			✓	✓				
30	amikacin (sulphate)	capsules	100 mg			✓	✓				
31	 metronidazole	injection	100 mg, 500 mg			✓	✓				
		tablets	200 mg, 400 mg			✓	✓				
		syrup	200 mg / 5ml			✓	✓				
		infusion	5mg/ml in 100ml			X	✓				
<b>GROUP 2 -WATCH GROUP ANTIBIOTICS</b>											
32	 azithromycin	capsules	250 mg, 500 mg			✓	✓				
33	clarithromycin	suspension	125mg / 5ml in 22.5ml			X	✓				
34	cefixime* (trihydrate)	tablets	500 mg			X	✓				
35	 ciprofloxacin (hydrochloride)	capsules	400 mg			X	✓				
		syrup	125mg / 5ml			X	✓				
		tablets	250 mg, 500 mg			X	✓				

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
<b>(9) ANTI-TUBERCULOSIS MEDICINES (As per TB Control Program guidelines)</b>								
36	isoniazid + rifampicin	tablets	75 mg + 150 mg; 150 + 300mg					
37	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	150+75+400+275 mg					
38	ethambutol + isoniazid + rifampicin	tablets	275mg + 75mg+ 150 mg					
<b>(10) ANTI-DIABETIC MEDICINES</b>								
39	glibenclamide	tablets	5 mg					
40	insulin regular	injection	100 IU / ml					
41	insulin comp	injection	30 + 70 % w/v					
42	metformin (hydrochloride	tablets	500 mg					
<b>(11) ANTI-MALARIAL MEDICINES</b>								
43	artesunate ( <i>management of severe malaria</i> )	injection	60 mg /ml					
44	chloroquine (phosphate or sulphate)	tablets	150 mg					
		syrup	50mg/5ml					
<b>(12) MEDICINES ACTING ON GASTROINTESTINAL TRACT</b>								
45	aluminum hydroxide + magnesium trisilicate	tablets	250mg +500mg					
46	bisacodyl	tablets	5 mg					
47	glycerin	suppository						

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
48	hyoscine (butylbromide)	injection tablets	20 mg/ml 10 mg				x	✓
49	drotaverine	tablets	40 mg				x	✓
50	dimenhydrinate	injection tablets	40 mg 50 mg				✓	✓
51	<input checked="" type="checkbox"/> omeprazole	syrup capsules	12.5 mg / 5ml 20mg				✓	✓
52	ORS (low osmolarity) <i>Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea</i>	sachet		dry mixture (low osmolarity formula) in sachet for 1 liter of solution; each sachet contains glucose anhydrous 13.5gm, trisodium citrate dihydrate 2.9 gm, potassium chloride 1.5gm, sodium chloride 2.6gm B.P.	✓		✓	✓
53	ranitidine	injection tablets	25 mg / ml in 2 ml 150 mg; 250 mg				✓	✓
<b>(13) CARDIOVASCULAR MEDICINES</b>								
54	amlodipine (besylate)	tablets	5 mg; 10 mg				x	✓
55	atenolol	tablets	50 mg, 100 mg				✓	✓
56	enalapril (maleate)	tablets	5, 10 mg				✓	✓
57	<input checked="" type="checkbox"/> furosemide	tablets injection	40 mg 10 mg				✓	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
58	glyceryl trinitrate	sublingual	500 mcg				✓	✓
59	□ isosorbide dinitrate	sublingual	5 mg				✗	✓
60	methylDopa ( <i>For severe PIH only</i> )	tablets	250, 500 mg	✓			✓	✓
61	propranolol	tablets	40mg		✗		✓	
<b>(14) OXYTOCIC &amp; ANTI-OXYTOCIC MEDICINES</b>								
62	misoprostol	tablets	200 mcg	✓			✓	✓
63	oxytocin	injection	10 IU in 1-ml		✓		✓	✓
64	nifedipine	capsules softgel	10 mg				✓	✓
<b>(15) MEDICINES ACTING ON RESPIRATORY TRACT</b>								
65	aminophylline	injection	25 mg/ml				✗	✓
		syrup	32mg / 5ml				✓	✓
66	ammonium chloride + chlorpheniramine + menthol + diphenhydramine + sodium citrate	syrup (expectorant)	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml				✓	✓
67	□ salbutamol (sulphate) / albuterol	tablets	2mg and 4mg				✓	✓
		syrup	2mg / 5ml				✓	✓
		solution for nebulizer	5 mg / ml				✗	✓
68	ipratropium bromide	solution for nebulizer	0.025% w/v				✗	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities			
				LHW	CMW	CD	BHU
<b>(16) OPHTHALMIC / ENT MEDICINES</b>							
69	boroglycerine	ear drops	40 % (only for wax removing)			✓	✓
70	chloramphenicol	eye drops	0.5 % w/v; 1 % w/v			✓	✓
71	ciprofloxacin	ear drops	0.3 % w/v			✗	✓
72	polymyxin B sulphate + lignocaine	ear drops	each ml is contains polymyxin B (Sulphate):10000 IU/ml + lignocaine 50mg/ml;5ml			✓	✓
73	polymyxin B (sulphate)+ bacitracin zinc	eye ointment	10000 IU/g + 500 IU/g	✓		✓	✓
74	sodium cromoglycate	eye drops	2% w/v			✓	✓
75	tobramycin	eye drops	0.3 % w/v			✗	✓
<b>(17) I/V INFUSIONS / PLASMA SUBSTITUTES</b>							
76	dextrose + saline	infusion	5 % + 0.9 % w/v			✓	✓
77	glucose / dextrose	infusion ampoule	5, 10, % 25 %			✓	✓
78	normal saline	infusion	0.9 % 1000ml; 100ml			✓	✓
79	plasma expander substitute	infusion	polygeline 3.5/4% + dextran 6 %w/v,			✓	✓
80	potassium chloride	solution	11.2% in 20-ml ampoule			✗	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities			
				LHW	CMW	CD	BHU
81	□ ringer's lactate (sodium lactate compound solution)	infusion	fusion,1000ml contains calcium chloride 0.2gm, potassium chloride 0.3gm, sodium chloride, 6 gm sodium lactate 3.1gm U.S.P, sterile water for injection 1000ml (q.s.)			✓	✓
82	sodium bicarbonate	injection	1.4% isotonic			✗	✓
83	water for injection	ampoule	5 ml, 10 ml			✓	✓
<b>(18) VITAMINS &amp; MINERALS</b>							
84	ascorbic acid	tablets	50,100, 500 mg		✓	✓	✓
85	B complex (B1, B6 and B12)	tablets	DRAP approved		✓	✓	✓
		syrup	DRAP approved		✗	✓	✓
86	calcium gluconate	injection	100 mg/ml in 10-ml		✗	✗	✓
87	calcium lactate	tablets	500mg, 1gm		✓	✓	✓
88	calcium carbonate + cholecalciferol	chewable tab	1250mg +125IU		✓	✓	✓
89	□ cholecalciferol (vitamin D3)	capsules (softgel)	1.25 mg (50 000 IU)		✗	✗	✓
		tablets	equivalent to 60 mg iron		✓	✓	✓
		injection	(iron sucrose)		✗	✗	✓
90	ferrous salt (fumarate)	syrup	equivalent to 25 mg/ml iron		✓	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
91	folic acid	tablets	0.5mg, 1mg & 5mg			✓	✓	✓
92	ferrous salt (fumarate) + folic acid <i>(Nutritional supplement for use during pregnancy)</i>	tablets	equivalent to 60 mg iron + 400 mcg folic acid	✓	✓	✓	✓	✓
93	multiple micronutrients	sachet	UNICEF approved		✗	✓	✓	✓
94	multivitamins	tablets	DRAP approved		✗	✓	✓	✓
95	retinol (vitamin A)	tablets/ capsules	50 000 IU, 100 000 IU, 200 000 IU (as palmitate)	✓	✓	✓	✓	✓
96	vitamin K1 (phytonadione)	injection	10 mg		✗	✗	✓	✓
97	zinc sulphate <i>(for acute diarrhea with ORS)</i>	tablets (dispersible)	20 mg	✓	✓	✓	✓	✓
<b>(19) MISCELLANEOUS MEDICINES</b>								
98	oxygen (medicinal gas) cylinder	inhalation			✓	✓	✓	✓
99	tranexamic acid	injection	250mg, 500mg /5ml		✗	✓	✓	✓
		capsules	250mg, 500mg		✗	✓	✓	✓
<b>(20) DERMATOLOGICAL MEDICINES</b>								
100	benzyl benzoate 	lotion	25%	✓	✓	✓	✓	✓
101	calamine	lotion	15%		✓	✓	✓	✓
102	hydrocortisone	cream	1%		✗	✓	✓	✓
103	permethrin	cream, lotion	5%w/w		✗	✗	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
104	polymyxin B (sulphate)+ bacitracin zinc	ointment	10000IU/g + 500IU/g			✓	✓	✓
105	silver sulphadiazine	cream	1%			✗	✓	✓
<b>(21) CONTRACEPTIVES</b>								
106	condoms			✓	✓	✓	✓	✓
107	IUCD (copper T / multiload)	IUCD		✓		✗	✓	✓
108	DMPA (medroxyprogesterone acetate)	injection	150 mg/ 1ml	✓		✓	✓	✓
109	ethynodiol +  norethisterone	CO pills	35mcg + 1mg	✓	✓	✓	✓	✓
110	levonorgestrel	PO pills	30 mcg			✓	✓	✓
111	levonorgestrel	EC pills	750 mcg (pack of 2)	✓	✓	✓	✓	✓
112	norethisterone	injection	200 mg/ml in 1ml			✓	✓	✓
113	etonogestrel- releasing implant	sub dermal implant	1 rod 68mg each (Use life: 3 years)			✗	✓	✓
<b>(22) VACCINES &amp; SERA (WHO Approved/ As per National EPI Program)</b>								
114	anti-rabies vaccine (PVRV)	single dose vial	>2.5 iu			✗	✓	✓
115	anti-snake venom serum					✗	✓	✓
116	BCG vaccine					✓	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
117	hepatitis B vaccine					✗	✓	✓
118	measles vaccine				✓	✓	✓	✓
119	pentavalent vaccine				✓	✓	✓	✓
120	polio vaccine (OPV trivalent) / IPV	oral/ injection			✓	✓	✓	✓
121	pneumococcal vaccine				✗	✓	✓	✓
122	rotavirus vaccine				✗	✓	✓	✓
123	tetanus toxoid				✓	✓	✓	✓
124	DPt				✗	✓	✓	✓
125	dT				✗	✓	✓	✓
<b>(23) ANXIOLYTIC MEDICINES</b>								
126	alprazolam	tablets	0.5 mg			✗	✓	
127	diazepam	tablets	2 mg			✗	✓	
<b>(24) ANTI-SEPTICS / DISINFECTANTS</b>								
128	chlorhexidine digluconate (7.1%) <i>(Antiseptic for Cord Care)</i>	gel	equivalent to 4% chlorhexidine	✓	✓	✓	✓	✓
129	chlorine base compound	powder	(0.1% available chlorine) for solution	✓	✓	✓	✓	✓
130	povidone-iodine	solution	10 %w/v	✓	✓	✓	✓	✓
131	methylated spirit	solution		✓	✓	✓	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
<b>(25) DISPOSABLE SUPPLIES</b>								
132	absorbent cotton wool	pack	500gm	✓	✓	✓	✓	✓
133	adhesive tape (hypoallergenic)	roll	1, 2 inch	✓	✓	✓	✓	✓
134	blood lancets	sterile packs				✗	✓	✓
135	cotton bandage	roll	6.5cm x 2m	✓		✓	✓	✓
136	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0	✓		✗	✓	✓
137	crepe bandage		7.5, 10 cm x 2.7m		✗	✓	✓	✓
138	disposable airways	sterile packs	all sizes		✗	✓	✓	✓
139	endotracheal tube (ETT)	sterile packs	Set of 12		✗	✗	✓	✓
140	examination gloves	pairs	box of 100 (small, medium and large size) [1:12:1] all types [N95, ASTM level 1-3, Utility mask]	✓	✓	✓	✓	✓
141	face masks disposable			✓	✓	✓	✓	✓
142	I.V sets	sterile packs	DRAP approved	✓		✗	✓	✓
143	I.V cannula	sterile packs	16G, 20G, 24G	✓		✗	✓	✓
144	nasogastric (NG) tube		adult / pediatric			✗	✓	✓
145	resuscitator bag with mask		adult / pediatric			✗	✓	✓
146	scalp vein set (DRAP approved)	sterile packs	DRAP approved			✗	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Primary Healthcare Facilities				
				LHW	CMW	CD	BHU	RHC
147	silk sutures sterile	12 / pack	0, 1/0, 2/0, 3/0, 4/0			✗	✓	✓
148	slides glass					✗	✓	✓
149	sterile gauze dressing	sterile packs	7.5 x 7.5 cm (10 ply)			✓	✓	✓
150	sterile surgical gloves	pairs	6, 6½, 7, 7½			✓	✓	✓
151	syringe (auto disable)	sterile packs	1cc and 5cc			✓	✓	✓
152	volumetric chamber (i.v. burette)	sterile packs	100 ml size			✗	✓	✓
153	clean delivery kits			1 bath soap, 50 gram wrapped 1 apron 2 paper towel 2 pairs of latex examination gloves (m) 1 plastic under sheet (about one square meter) 1 under pads 60cmx90cm 2 alcohol pads 2 packs of sponges (4 sponge) 1 sterile bulb sucker 2 sterile umbilical cord clamp 1 sterile surgical blade 2 cotton thread (cord ties) 1 maternity pad 1 white poly bag for disposal 1 unbleached dignity drape 1 instruction sheet		✓	✗	✓

**Essential Medicines & Disposable Supplies List for  
Primary Healthcare facilities DOH Punjab**

**Emergency Tray for BHU and RHC**

Sr #	Items Name	Form	Strength	BHU	Qty	RHC	Qty
1	adrenaline	injection	0.1mg/ml	✓	10	✓	10
2	aminophylline	injection	25mg/ml	✗	✗	✓	10
3	atropine	injection	1mg/1ml	✓	10	✓	10
4	calcium gluconate	injection	100 mg/ml in 10-ml	✗	✗	✓	10
5	diazepam	injection	5mg/ml	✓	10	✓	10
6	diclofenac sodium	injection	25mg/ml	✓	10	✓	10
7	dimenhydrinate	injection	50mg/ml	✓	10	✓	10
8	dobutamine	injection	50 mg/ml	✗	✗	✓	5
9	furosemide	injection	10mg/ml	✓	10	✓	10
10	hydrocortisone sodium	injection	100mg and 250mg	✓	1	✓	20
11	lidocaine	injection	2% WV/V , 10ml	✓	5	✓	10
12	pheniramine (maleate)	injection	22.7mg/2ml	✓	10	✓	20
13	potassium chloride	injection	11.2% in 20-ml	✗	✗	✓	5
14	sodium bicarbonate	injection	8.4%W/V , 25ml	✗	✗	✓	10
15	tranexamic acid	injection	250mg/5ml	✓	10	✓	10
16	water for injection,		5ml	✓	5	✓	5
17	25% DW	injection	25ml ampoule	✓	10	✓	10
18	dextrose	infusion	10%,500ml	✗	✗	✓	10
19	dextrose + normal saline	infusion	5%, 1000ml	✗	✗	✓	10
20	normal saline	infusion	1000ml	✓	10	✓	10
21	ringer lactate	infusion	1000ml	✓	10	✓	10
22	plasma expander	infusion	500ml	✓	2	✓	5
23	absorbent cotton wool	pack	500gms	✓	1	✓	5
24	cotton bandage	roll	4,6inch	✓	10	✓	24
25	compression bandage BPC			✗	✗	✓	5
26	lidocaine	gel	2%	✓	1	✓	5
27	glyceryl trinitrate	sublingual	500 mcg	✓	50	✓	50
28	isosorbide dinitrate	tablets	5 mg	✓	10	✓	10
29	syringe (auto disable)	St. packs	5 cc	✓	30	✓	10
30	syringe (disposable)	St. packs	1 cc; 10 cc; 20 cc	✗	✗	✓	5
31	volumetric chamber (I.V. Burette)	St. packs		✗	✗	✓	5
32	IV set	St. packs		✓	20	✓	45
33	IV cannula	St. packs	16, 18, 20, 22, 24 G	✓	20	✓	25
34	endotracheal tube (ETT)	St. packs	3, 3.5, 4, 7.5, 8 mm	✓	10	✓	10
35	Foley's catheter	St. packs	all sizes (10 F to 28 F)	✓	12	✓	10
36	nasogastric (NG) tube	St. packs	14-18; pediatric 10-14	✓	10	✓	12
37	silk sutures sterile packs	St. packs	0, 1/0, 2/0	✓	10	✓	10

List of Essential Medicines & Disposable Supplies for  
**Secondary Healthcare Facilities**

Department of Health  
Government of Punjab

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(1) ANAESTHETICS GENERAL</b>					
1	sevoflurane	inhalation		✓	✓
2	isoflurane	inhalation		✓	✓
3	ketamine (hydrochloride)	injection	50mg /ml in 10ml	✓	✓
4	nitrous oxide	inhalation		✓	✓
5	oxygen (medicinal gas) cylinder	inhalation		✓	✓
6	propofol	injection	10 mg / ml in 20 ml	✓	✓
<b>(2) MUSCLE RELAXANTS</b>					
7	□ atracurium (besylate)	injection	10 mg/ml	✓	✗
8	neostigmine (metilsulphate)	injection	2.5 mg in 1ml	✓	✓
9	suxamethonium (chloride)	ampoule	50 mg /ml in 2-ml	✓	✓
<b>(3) ANAESTHETICS LOCAL</b>					
10	□ bupivacaine (hydrochloride)	vial	0.25%; 0.5%	✓	✓
	injection for spinal anesthesia	ampoule	7.5mg/ml in 2ml (to be mixed with 7.5% glucose solution)	✓	✓
11	□ lidocaine (hydrochloride)	vial/ ampoule	2 %	✓	✓
	topical gel	2 %		✓	✓
	topical solution	4 %		✓	✓
12	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000	✓	✓
	dental cartridge	2% + 1:80 000		✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
13	<i>phenylephrine</i>	injection	10mg /ml	✓	✓
<b>(4) ANALGESICS OPIOID &amp; CENTRALLY ACTING</b>					
14	ketorolac trometamol	injection	30mg/ml	✓	✓
15	midazolam	injection tablets	1 mg/ml 7.5 mg	✓	✓
16	nalbuphine HCL	injection	10mg/ml	✓	✓
17	pethidine (hydrochloride) ( <i>Preoperative medication</i> )	ampoule	50 mg/ml in 2ml	✓	✓
18	tramadol HCL	injection	100mg/2ml	✓	✓
<b>(5) ANALGESICS / NONSTEROIDAL ANTI-INFLAMMATORY MEDICINES (NSAIMs)</b>					
19	acetylsalicylic acid	dispersible tablets	300 mg	✓	✓
		tablets	50 mg	✓	✓
20	diclofenac (sodium)	suppository ampoule		✓	✓
		tablets	75 mg in 3ml	✓	✓
21	ibuprofen [a]	syrup	200, 400 mg	✓	✓
		tablets	100 mg/5ml	✓	✓
22	mefenamic acid	tablets	500 mg	✓	✓
23	meloxicam	tablets	7.5, 15 mg	✓	✗
24	naproxen	tablets	250, 500 mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
25	paracetamol	tablets	500 mg	✓	✓
		syrup	120 mg / 5ml	✓	✓
		drops	12 mg / ml	✓	✓
		infusion	500 mg in 100 ml	✓	✓
		suppository	100 mg	✓	✓
		tablets	10 mg	✓	✓
<b>(6) MEDICINES TO TREAT GOUT</b>				✓	✓
27	allopurinol	tablets	100 mg; 300 mg	✓	✓
<b>(7) ANTIALLERGICS AND MEDICINES USED IN ANAPHYLAXIS</b>					
28	chlorpheniramine (hydrogen maleate) 	tablets	4 mg	✓	✓
		syrup 	2 mg / 5 ml	✓	✓
29	dexamethasone (disodium phosphate)	injection	4 mg / ml	✓	✓
30	epinephrine (adrenaline)	tablets	0.5 mg	✓	✓
31	hydrocortisone (sodium succinate)	ampoule	1 mg / ml	✓	✓
		injection	100 mg; 250 mg	✓	✓
32	loratadine	tablets	10 mg	✓	✓
		syrup	1 mg/ml	✓	✓
33	pheniramine (maleate)	injection	22.7mg/2ml	✓	✓
34	prednisolone 	syrup	1mg / ml	✓	✓
		tablets	5 mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(8) ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING</b>					
35	atropine (sulphate) 	ampoule	1 mg in 1ml	✓	✓
36	charcoal activated	powder		✓	✓
37	methylene trioninium chloride (methylene blue)	ampoule	10mg/ml -in 10ml	✓	✓
38	naloxone (hydrochloride)	ampoule	400 mcg in 1ml	✓	✓
39	pralidoxime	injection	200 mg / 10 ml	✓	✓
40	flumazenil	injection	100 mcg / ml in 10 ml	✓	✓
<b>(9) ANTICONVULSANTS / ANTIPILEPTICS</b>					
41	carbamazepine	tablets	200 mg	✓	✓
		syrup	100mg / 5ml	✓	✓
42	divalproex sodium (semi sodium valproate)	tablet	250mg	✓	✓
43	magnesium sulphate ( <i>For eclampsia only</i> )	injection	500mg/ml	✓	✓
44	phenobarbital (sodium)	tablets	30 mg	✓	✓
		injection	200 mg /ml	✓	✓
45	phenytoin (sodium)	tablets	100 mg	✓	✓
		syrup	30 mg/5 ml	✓	✓
<b>(10) ANTIBIOTICS</b>					
<b>GROUP I – KEY ACCESS ANTIBIOTICS</b>					
46	amoxicillin (tritydrate)	capsules / tablet	250mg, 500 mg	✓	✓

Sr. #	Generic Drug Name (preferably dispersible tablets)	Form	Strength	Health Facility	
				DHQ	THQ
		powder for suspension	125mg & 250mg /5ml	✓	✓
		drops	125mg / 1.25ml	✓	✓
		injection	250 mg, 500 mg	✓	✓
		capsules	250 mg , 500 mg	✓	✓
		powder for suspension	125 mg& 250 /5ml	✓	✓
		injection	500 mg and 1 g	✓	✓
		injection	100mg; 250mg,	✓	✓
		tablets	375 mg	✓	✓
		syrup	125 mg amoxicillin + 31.25 mg clavulanic acid/5 ml; 250 mg amoxicillin + 62.5 mg clavulanic acid/5 ml	✓	✓
		injection	1.2 gm	✓	✓
		injection	600 mg (= 1 million IU); 3 g (= 5 million IU) (sodium or potassium salt) in vial	✓	✓
		capsule	500mg	✓	✓
		syrup	250mg/5ml	✓	✓
		injection	500mg	✓	✓
		capsules	250mg, 500 mg	✓	✓
		powder for suspension	125 mg & 250 mg /5ml	✓	✓
47	ampicillin (sodium)				
48	amikacin (sulphate)				
49	amoxicillin + clavulanic acid				
50	benzyl penicillin (potassium)				
51	cephradine				
52	cloxacillin + ampicillin				

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
53	clindamycin (hydrochloride)	capsules vaginal cream injection	150 mg, 300mg 2 % w/w 150mg / ml (phosphate)	✓ ✓ ✓	✓ ✓ ✓
54	□ cotrimoxazole (sulfamethoxazole + trimethoprim)	tablets © syrup ©	400mg + 80 mg 200mg + 40mg/5 ml	✓ ✓	✓ ✓
55	doxycycline [a]	capsules ©	100 mg	✓	✓
56	□ gentamicin (sulphate)	injection tablets	40 mg, 80 mg 200 mg, 400 mg	✓ ✓	✓ ✓
57	□ metronidazole	injection syrup	500 mg in 100-ml 200 mg / 5ml (benzoate)	✓ ✓	✓ ✓
58	phenoxymethyl penicillin (potassium)	tablets syrup	250 mg , 500 mg 125 mg / 5ml	✓ ✓	✓ ✓
<b>GROUP 2 -WATCH GROUP ANTBIOTICS</b>					
59	□ azithromycin	capsules suspension	250 mg, 500 mg 125mg / 5ml in 22.5ml	✓ ✓	✓ ✓
60	cefixime* (trihydrate)	capsules suspension	400 mg 100mg /5ml	✓ ✓	✓ ✓
61	ceftriaxone (sodium) [a]	powder for injection	250 mg, 500mg, 1gm	✓	✓
62	□ ciprofloxacin (hydrochloride)	tablets	250mg, 500 mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
63	clarithromycin* ( <i>Recommended for use in combination regimens for eradication of H. Pylori in adults</i> )	infusion tablets suspension	200mg in 100ml 500 mg 125 mg / 5ml	✓ ✓ ✓	✓ ✓ ✓
64	moxifloxacin	injection tablets	400mg/250ml 500mg	✓ ✓	✓ ✓
65	meropenem	injection	500mg; 1gm	✓	✓
66	levofloxacin	tablets	250 mg , 500 mg	✓	✓
67	vancomycin (HCL)	injection	500 mg	✓	✗
<b>(11) ANTHELMINTIC MEDICINES</b>					
68	albendazole	tablets syrup	200 mg 100 mg / 5ml	✓ ✓	✓ ✓
69	mebendazole (chewable)	tablets	100 mg	✓	✓
70	pyrantel (pamoate)	tablets syrup	250 mg 250 mg / 5ml	✓ ✓	✓ ✓
<b>(12) NTI-FUNGAL MEDICINES</b>					
71	clotrimazole	skin cream vaginal cream	1% w/v 10 % w/v	✓ ✓	✓ ✓
72	☐ fluconazole	vaginal tablet capsules	500 mg 150 mg	✓ ✓	✓ ✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
73	nystatin	drops ☺	100,000 U/ml	✓	✓
<b>(13) ANTI-TUBERCULOSIS MEDICINES (As per TB Control Program guidelines)</b>					
<b>FIRST LINE MEDICINES</b>					
74	ethambutol	tablets	100 mg; 400 mg	✓	✓
75	isoniazid	tablets	100 mg;	✓	✓
76	pyrazinamide	tablets	400 mg	✓	✓
77	rifampicin	capsules	300 mg	✓	✓
78	streptomycin	injection	1 gm	✓	✓
79	rifampicin + isoniazid (RH)	tablets dispersible	150mg + 75mg	✓	✓
80	rifampicin + isoniazid + pyrazinamide (RHZ)	tablets dispersible	75mg + 50mg	✓	✓
81	rifampicin + isoniazid + pyrazinamide + ethambutol (RHZE)	tablets	75mg + 50mg + 150 mg.	✓	✓
82	rifampicin + isoniazid + ethambutol (RHE)	tablets	150mg+75mg+ 400mg+275 mg	✓	✓
<b>SECOND LINE MEDICINES (MDR-TB)</b> (Reserve second-line drugs for the treatment of multi-drug-resistant tuberculosis (MDR-TB) should be used in specialized centers adhering to WHO standards for TB control)					
83	amikacin	injection	100mg; 500mg	✓	✓
84	bedaquiline	tablets	100 mg	✓	✓
85	capreomycin	injection	1 gm	✓	✓
86	clofazamine	capsules	50mg; 100mg	✓	✓
87	cycloserine*	capsules	250 mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
88	delamanid	tablets	50 mg	✓	✓
89	ethionamide*	tablets	125mg; 250mg	✓	✓
90	kanamycin (sulphate)	injection	500mg, 1gm	✓	✓
91	levofloxacin	tablets	250mg; 500 mg	✓	✓
92	linezolid	tablets	400mg; 600mg	✓	✓
93	moxifloxacin	tablets	400 mg	✓	✓
94	p-aminosalicylic acid	tablets	500 mg	✓	✓
<b>(14) ANTI-LEISHMANIASIS MEDICINES</b>					
95	amphotericin B	injection	50 mg in vial	✓	✓
96	sodium stibogluconate	injection	100 mg/ml in 30ml vial	✓	✓
<b>(15) ANTI-DIABETIC MEDICINES</b>					
97	glibenclamide	tablets	5 mg	✓	✓
98	gliclazide	tablets	80mg	✓	✓
99	insulin NPH	injection	100 IU / ml	✓	✓
100	insulin regular	injection	100 IU / ml	✓	✓
101	insulin comp	injection	30 + 70 % w/v 100 IU / ml	✓	✓
102	metformin (hydrochloride)	tablets	500 mg	✓	✓
103	sitagliptin	tablets	50mg	✓	✓
104	sitagliptin + metformin	tablets	25 mg + 500 mg	✓	✗

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(16) ANTI-MALARIAL MEDICINES</b>					
105	artesunate <sup>‡</sup> ( <i>management of severe malaria</i> )	ampoule	60 mg/ml in 1-ml	✓	✓
106	artemether + lumefantrine	tablets ©	20 mg + 120 mg	✓	✓
107	artesunate plus sulfadoxine and pyrimethamine <i>to be used in combination (co-blister)</i>	tablets	co blister of (6+2) tablet - two large tablets each has sulfadoxine 500mg + pyrimethamine 25mg and six small tablets, each contains artesunate 50mg U.S.P.	✓	✓
108	chloroquine (phosphate or sulphate)	tablets	150 mg	✓	✓
109	primaquine (diphosphate) ( <i>for Vivaax</i> )	syrup	50mg / 5ml	✓	✓
110	sulfadoxine + pyrimethamine <i>co-blister / combined therapy (For Falciparum)</i>	tablets	7.5 mg; 15 mg	✓	✓
110	sulfadoxine + pyrimethamine <i>co-blister / combined therapy (For Falciparum)</i>	suspension	500mg + 25 mg	✓	✓
110	sulfadoxine + pyrimethamine <i>co-blister / combined therapy (For Falciparum)</i>	suspension	500mg + 25mg / 5ml	✓	✓
<b>(17) GASTROINTESTINAL MEDICINES</b>					
111	aluminum hydroxide + magnesium trisilicate	tablets	250mg +500mg	✓	✓
112	bisacodyl	suspension	215mg + 80mg / 5ml	✓	✓
113	domperidone	tablets	5 mg	✓	✓
113	domperidone	tablets	10mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
114	dimenhydrinate	injection syrup	40mg 12.5mg / 4ml	✓ ✓	✓ ✓
115	drotaverine	injection tablets	40mg / 2 ml 40 mg	✓ ✓	✓ ✓
116	glycerin	suppository		✓	✓
117	hyoscine (butylbromide)	tablets	10 mg	✓	✓
118	magnesium oxides and hydroxides	suspension tablets	7.9 %w/v 10 mg	✓ ✓	✓ ✓
119	metoclopramide (hydrochloride) <span style="color: green;">■</span>	syrup injection injection	5 mg / 5ml 5mg/ ml 40 mg	✓ ✓ ✓	✓ ✓ ✓
120	omeprazole <span style="color: green;">□</span>	capsules	20mg, 40mg	✓	✓
121	ORS (low osmolarity) <i>Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea</i>	sachet	dry mixture (low osmolarity formula) in sachet for 1 liter of solution, each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.	✓	✓
122	phloroglucinol	tablets injection	phloroglucinol 80mg + trimethylphloroglucinol 80mg 10mg / ml	✓ ✓	✓ ✓
123	pyridoxine + doxylamine succinate	tablets	10 + 10 mg	✓	✓
124	pyridoxine + medazine	tablets	50 + 25 mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
125	□ ranitidine	tablets injection	150 mg 25 mg / ml in 2ml	✓ ✓	✓ ✓
126	sodium biphosphate	enema	7.2g / 120ml	✓	✓
<b>(18) ANTIVIRAL MEDICINES</b>					
127	□ acyclovir	tablets syrup injection cream	200 mg; 400mg; 800mg 200 mg / 5 ml 250mg; 500mg 5 % w/w	✓ ✓ ✓ ✓	✓ ✓ ✗ ✓
128	entecavir	tablet	0.5mg	✓	✓
129	ganciclovir	tablets	250mg	✓	✗
130	ribavirin	tablets	200mg, 400mg, 600 mg	✓	✓
131	sofosbuvir ( <i>for Hepatitis C</i> )	tablets	200mg / 400mg	✓	✗
132	tenofovir disoproxil	tablet	300mg	✓	✗
<b>(19) CARDIOVASCULAR MEDICINES</b>					
133	acetylsalicylic acid	tablets (enteric coated)	75 mg	✓	✓
134	amiodarone HCL	tablets injection	200mg 150mg	✓ ✓	✓ ✓
135	amlodipine	tablet	5mg,	✓	✓
136	atenolol	tablet	50 mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
137	<input checked="" type="checkbox"/> bisoprolol	tablets	1.25 mg; 5 mg	✓	✓
138	digoxin	tablets injection	62.5, 250mcg 250mcg /ml in 2ml	✓	✓
139	dopamine (hydrochloride)	injection	40 mg/ml in 5ml vial	✓	✓
140	dobutamine (hydrochloride)	injection	50mg/ml in 5ml	✓	✓
141	<input checked="" type="checkbox"/> enalapril (maleate)	tablets	2.5mg, 5 mg	✓	✓
142	glyceryl trinitrate	sublingual	500 mcg	✓	✓
143	hydralazine (hydrochloride) <i>(For severe PI/H only)</i>	injection tablets	20 mg 25mg, 50 mg	✓	✓
144	<input checked="" type="checkbox"/> isosorbide dinitrate	sublingual tablets	5 mg 5mg, 10mg, 50 mg	✓	✓
145	losartan potassium	infusion tablet	10 mg/10ml 50mg	✓	✓
146	methyldopa <i>(for severe PI/H only)</i>	tablets injection	250mg, 500 mg 250 mg	✓	✓
147	propranolol	tablets	10mg, 40mg, 80 mg	✓	✓
148	streptokinase	powder for injection	1.5 million IU	✓	✗
149	<input checked="" type="checkbox"/> atorvastatin	tablets	10mg, 20mg,	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(20) DIURETIC MEDICINES</b>					
150	verapamil (hydrochloride)	tablets	40 mg; 80 mg	✓	✓
151	□ furosemide	tablets injection	20mg, 40 mg 10 mg	✓	✓
152	□ hydrochlorothiazide	tablets	12.5mg, 25 mg	✓	✓
153	furosemide + spironolactone	tablets	50mg/20mg	✓	✓
154	spironolactone	tablets	100 mg	✓	✓
<b>(21) MEDICINES AFFECTING COAGULATION</b>					
155	clopidogrel	tablets	75mg, 150mg	✓	✓
156	enoxaparin (low molecular weight heparin)	injection	20 mg; 40 mg	✓	✗
157	tranexamic acid	injection capsules	100 mg/ml in 5-ml 250mg, 500mg	✓	✓
158	□ warfarin (sodium)	tablets	5 mg	✓	✓
<b>(22) OXYTOCIC &amp; ANTI-OXYTOCIC MEDICINES &amp; HORMONES</b>					
159	dinoprostone (prostaglandin E2)	vaginal tablet	3 mg	✓	✓
160	misoprostol	tablets	200 mcg	✓	✓
161	nifedipine	capsules	10 mg	✓	✓
162	oxytocin	injection	10 IU in 1-ml	✓	✓
163	norethisterone	tablets	5 mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(23) MEDICINES ACTING ON RESPIRATORY TRACT</b>					
164	aminophylline	injection	25mg/ml in 10ml	✓	✓
165	beclomethasone	inhaler solution	50 mcg/actu 800mcg/2ml	✓	✓
		tablets	2, 4 mg	✓	✗
		syrup	2mg / 5ml	✓	✓
		inhaler	100 micrograms	✓	✓
		injection	50 micrograms in 5ml	✓	✓
		solution for nebulizer	5 mg /ml	✓	✓
167	terbutaline	tablets	2.5mg	✓	✗
168	ipratropium bromide	injection	250mcg/ml	✓	✓
169	montelukast	tablets	4, 10 mg	✓	✓
170	ammonium chloride + chlorpheniramine + menthol + diphenhydramine + sodium citrate	syrup (expectorant)	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml	✓	✓
171	dextromethorphan + diphenhydramine	syrup (antitussive)	12.5mg/5ml + 12.5mg/5ml	✓	✓
<b>(24) OPHTHALMIC MEDICINES</b>					
172	acyclovir	eye ointment	3 % w/w	✓	✗
173	chloramphenicol	eye drops	0.5 %	✓	✓
174	ciprofloxacin	eye drops	0.3 %w/v	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
175	dexamethasone	eye drops	0.1 % w/v	✓	✓
176	▢ gentamicin (sulphate)	eye drops	0.30%	✓	✓
177	micronazole (nitrate)	eye ointment	2%	✓	✓
178	moxifloxacin	eye drops	0.5 % w/v	✓	✓
179	pilocarpine (hydrochloride or nitrate)	eye drops	2%; 4%	✓	✓
180	polymyxin B (sulphate)+ bacitracin zinc	eye ointment	10000IU/g + 500IU/g	✓	✓
181	▢ proparacaine (hydrochloride) □	drops	0.50%	✓	✓
182	sodium cromoglycate	eye drops	2% w/v	✓	✓
183	tears natural	eye drops		✓	✓
184	tobramycin + dexamethasone	eye drops	0.3 % + 0.1% w/v	✓	✓
185	tropicamide	eye drops	1 %w/v	✓	✗
186	▢ timolol (hydrogen maleate)	eye drops	0.25%; 0.5%	✓	✓
(25) ENT MEDICINES					
187	boroglycerine	ear drops	40% (only for wax removing)	✓	✓
188	ciprofloxacin	ear drops	0.30%	✓	✓
189	lidocaine	topical solution	4%	✓	✓
190	polymyxin B sulphate + lignocaine	ear drops	each ml is contains polymyxin B (sulphate):10000 IU/ml, lignocaine:50mg/ml; in 5ml	✓	✓
191	saline nasal drops	nasal drops	0.9%	✓	✓
192	▢ xylometazoline □	nasal spray	0.05%	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(26) I/V INFUSIONS / PLASMA SUBSTITUTES</b>					
193	glucose / dextrose	infusion ampoule	5, 10, % 25%	✓	✓
194	dextrose + saline	infusion	5 % + 0.9 % w/v; 5 % +0.45%; 4.5%+0.18% (i/5th)	✓	✓
195	mannitol	infusion	20 %w/v	✓	✓
196	normal saline	infusion	0.9% 1000ml; 100ml	✓	✓
197	potassium chloride	solution	11.2% in 20-ml ampoule	✓	✓
198	plasma substitute	infusion	polygeline 3.5/4 % + dextran 6 % w/v,	✓	✓
199	█ ringer's lactate (sodium lactate compound solution)	infusion	infusion,1000ml contains calcium chloride 0.2gm U.S.P. Potassium chloride 0.3gm U.S.P., sodium chloride U.S.P. 6 gm U.S.P., sodium lactate 3.1gm U.S.P., sterile water for injection 1000ml (q.s.)	✓	✓
200	sodium bicarbonate	injection	1.4% isotonic	✓	✗
201	water for injection	ampoule	5 ml, 10 ml	✓	✓
<b>(27) VITAMINS &amp; MINERALS</b>					
202	ascorbic acid	tablets	50, 100, 500 mg	✓	✓
203	B complex (B1, B6 and B12)	tablets syrup	DRAF approved	✓	✓
204	calcium gluconate	injection	100 mg/ml in 10-ml	✓	✓
205	calcium lactate	tablets sachet	500mg, 1gm 500mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
206	cholecalciferol (vitamin D <sub>3</sub> )	capsules (softgel) tablets injection syrup	1.25 mg (50 000 IU) equivalent to 60 mg iron (sucrose salt) 20mg/ml equivalent to 25 mg/ml iron	✓	✓
207	ferrous salt			✓	✓
208	folic acid	tablets	5mg	✓	✓
209	ferrous salt + folic acid (Nutritional supplement for use during pregnancy)	tablets	tablet, equivalent to 60 mg iron + 400 mcg folic acid	✓	✓
210	hydroxocobalamin	ampoule	1 mg in 1ml	✓	✓
211	multiple micronutrients	sachet	UNICEF approved	✓	✓
212	multivitamins	tablets		✓	✓
213	retinol (vitamin A)	tablets/ capsules	50 000 IU; 100 000 IU; 200 000 IU (as Palmitate)	✓	✓
214	vitamin K <sub>1</sub> (phytonadione)	injection	10 mg	✓	✓
215	zinc sulphate (for acute diarrhea with ORS)	dispersible tablets	20 mg	✓	✓
<b>(28) DERMATOLOGICAL MEDICINES</b>					
216	benzyl benzoate [■]	lotion	5% & 25%	✓	✓
217	betamethasone [■]	cream / ointment	0.1%	✓	✓
218	calamine	lotion	15%	✓	✓
219	coal tar	lotion	5%	✓	✓
220	hydrocortisone	cream	1%	✓	✓
221	miconazole (nitrate)	cream / ointment	2%	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
222	polymyxin B (sulphate)+ bacitracin zinc	ointment	10000IU/g + 500IU/g	✓	✓
223	permethrin	cream / lotion	5 % / 1 %	✓	✓
224	silver sulphadiazine 	cream	1%	✓	✓
225	sodium thiosulphate	solution	15%	✓	✓
<b>(29) MEDICINES FOR MENTAL &amp; BEHAVIORAL DISORDERS</b>					
226	alprazolam	tablets	0.5 mg	✓	✓
227	amitriptyline (hydrochloride)	tablets	25 mg	✓	✗
228	carbamazepine	tablets	100 mg; 200 mg	✓	✗
229	 chlorpromazine (hydrochloride)	injection	25mg in 2ml	✓	✓
230	clomipramine (hydrochloride)	tablets	100 mg	✓	✓
231	clomipramine (hydrochloride)	tablets	10 mg; 25 mg	✓	✗
232	olanzapine	tablets	5mg, 10 mg	✓	✗
233	diazepam	tablets	2, 5mg	✓	✓
234	escitalopram	tablets	10mg	✓	✗
235	haloperidol	tablets	25 mg	✓	✗
236	fluoxetine (hydrochloride)  	tablets	20 mg	✓	✗
237	fluphenazine	tablets	5mg/ml	✓	✓
238	haloperidol	tablets	5mg	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(30) CONTRACEPTIVES</b>					
238	condoms			✓	✓
239	copper T / multiload	IUCD		✓	✓
240	DMPA medroxyprogesterone acetate	injection	150 mg/ 1ml	✓	✓
241	□ ethynodiol + □ norethisterone	CO pills	35mcg + 1mg	✓	✓
242	estradiol valerate + norethisterone	injection	5 mg + 50 mg	✓	✓
243	etonogestrel-releasing implant	sub dermal implant	1 rod 68mg each (Use life: 3 years)	✓	✓
244	□ levonorgestrel	PO pills	30 mcg	✓	✓
245	□ levonorgestrel	EC pills	750 mcg (pack of 2)	✓	✓
246	levonorgestrel-releasing implant	sub dermal implant	2 rod 75mg each (Use life: 5 years)	✓	✓
247	norethisterone	injection	200 mg/ml in 1ml	✓	✓
<b>(31) VACCINES &amp; SERA (WHO approved/as per national EPI program)</b>					
248	anti D immunoglobulin (human)	single dose vial	250 micrograms	✓	✓
249	anti-rabies vaccine (PVRV)	single dose vial	>2.5 iu	✓	✓
250	anti-snake venom serum			✓	✓
251	BCG vaccine			✓	✓
252	diphtheria antitoxin	vial	10 000 IU; 20 000 IU	✓	✓
253	DPT			✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
254	hepatitis B vaccine			✓	✓
255	measles vaccine			✓	✓
256	meningococcal vaccine			✓	✓
257	polio vaccine (OPV trivalent) / IPV	oral/ injection		✓	✓
258	pentavalent vaccine			✓	✓
259	pneumococcal vaccine			✓	✓
260	rabies immunoglobulin (human)	vial	150 IU/ml	✓	✓
261	rotavirus			✓	✓
262	tetanus toxoid			✓	✓
263	tetanus immunoglobulin (human)	injection	500 IU in vial	✓	✓
<b>(32) IMMUNO-SUPPRESSIVES MEDICINES</b>					
264	azathioprine (as sodium salt)	tablets	50 mg	✓	✗
265	cyclosporine	injection capsule	100 mg in vial 25 mg	✓ ✓	✗ ✗
<b>(33) ANTI-PARKINSONISM MEDICINES</b>					
266	biperiden	injection tablets	5 mg (lactate) in 1-ml 2 mg (hydrochloride)	✓ ✓	✓ ✓
267	levodopa + carbidopa	tablets	100 + 10 mg; 250 + 25 mg	✓	✓
268	procyclidine (HCl)	tablets	5mg	✓	✗

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
<b>(34) ANTISEPTICS / DISINFECTANTS</b>					
269	chlorhexidine digluconate (7.1%) <i>(for umbilical cord care)</i>	gel	equivalent to 4 % chlorhexidine	✓	✓
270	chlorhexidine + cetrimide	solution	1.5%w/v + 15%w/v	✓	✓
271	chlorine based compound	powder	(0.1% available chlorine) for solution	✓	✓
272	halogenated sodium phosphate	powder	100gms	✓	✓
273	povidone-iodine	solution scrub	10 %w/v 7.5 % w/v	✓	✓
274	tincture benzoin compound	solution	7.5 %w/v	✓	✓
<b>(35) DISPOSABLE SUPPLIES</b>					
275	absorbent cotton wool	pack roll	500 gm 1, 2 inch	✓	✓
276	adhesive tape (hypoallergenic)	sterile packs	all sizes	✓	✓
277	airways disposable	sachet		✓	✓
278	alcohol swabs	sterile packs		✓	✓
279	bandage contact lenses	sterile packs		✓	✗
280	blood bags (ACDP) with transfusion sets	sterile packs		✓	✓
281	blood lancets	sterile packs		✓	✓
282	caps disposable	packs	male; female	✓	✓
283	chromic catgut sterile	sterile packs	0, 1, 2; 2/0, 3/0, 4/0	✓	✓
284	cord clamps disposable	sterile packs		✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
285	colostomy bag set	sterile packs		✓	✓
286	cotton bandage	roll	6.5 cm x 2 m; 0.5 in – 6 inches	✓	✓
287	crepe bandage	roll	7.5, 10 cm x 2.7 m	✓	✓
288	CVP line	sterile packs	triple lumen	✓	✓
289	endotracheal tube (ETT)	sterile packs	set of 12 (different sizes)	✓	✓
290	LMA (laryngeal mask airway)	sterile packs		✓	✓
291	examination gloves (latex)	pairs	box of 100 (small, medium and large size) [1:2:1]	✓	✓
292	eye pads	sterile packs		✓	✓
293	face masks disposable		all types (N95, ASTM level 1-3, Utility mask)	✓	✓
294	foley's catheter (silicon coated / silicon)	sterile packs	all sizes	✓	✓
295	gowns / aprons disposable	sterile packs		✓	✓
296	I.V sets	sterile packs		✓	✓
297	I.V cannula	sterile packs	18 G, 20 G, 22 G, 24 G	✓	✓
298	nasogastric (NG) tube	sterile packs	adult size 6; 8; 10; 12; pediatrics size 16; 18; 20	✓	✓
299	nasal oxygen cannula	sterile packs	neonatal; pediatric; adult	✓	✓
300	plaster of paris bandage	roll	10 cm, 20 cm x 6 m	✓	✓
301	polypropylene sterile sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0	✓	✓
302	polyglactin sterile sutures	sterile packs	1; 2; 2/0; 3/0; 4/0; 6/0(8mm)	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
303	resuscitator bag with mask		adult / pediatric sizes; 0; 1	✓	✓
304	scalp vein set	sterile packs	DRAP approved	✓	✓
305	silk sutures sterile	12 / pack	0, 1, 2/0, 3/0, 4/0; 8/0; 10/0	✓	✓
306	silk sutures sterile (on straight needle)	12 / pack	0	✓	✓
307	slides glass	sterile packs		✓	✓
308	spinal needle	sterile packs	25G; 27G	✓	✓
309	sterile gauze dressing	sterile packs	7.5 x 7.5 cm (10 ply)	✓	✓
310	sterile gauze strips	sterile packs		✓	✓
311	sterile surgical gloves	pairs	6½, 7, 7½, 8	✓	✓
312	suction catheter	sterile packs	different sizes	✓	✓
313	surgical blades (carbon steel)	sterile packs	different sizes	✓	✓
314	syringe (auto disable)	sterile packs	1cc, 3cc, 5cc	✓	✓
315	syringe disposable	sterile packs	5; 10; 20; 50; 60 cc - (catheter tip)	✓	✓
316	thermal tape			✓	✓
317	urine bags	sterile packs	2L; Pediatric	✓	✓
318	volumetric chamber (I.V burette)	sterile packs	100 ml size	✓	✓
319	surgical disposable kits	sterile packs	drapes with hole; adhesive abdominal drape; table covers	✓	✓

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
320	clean delivery kits	sterile packs	<ul style="list-style-type: none"> <li>■ 1 bath soap, 50 gram wrapped</li> <li>■ 1 apron</li> <li>■ 2 paper towel</li> <li>■ 2 pairs of latex examination gloves (m)</li> <li>■ 1 plastic under sheet (about one square meter)</li> <li>■ 1 under pads 60cmx90cm</li> <li>■ 2 alcohol pads</li> <li>■ 2 packs of sponges (4 sponge)</li> <li>■ 1 sterile bulb sucker</li> <li>■ 2 sterile umbilical cord clamp</li> <li>■ 1 sterile surgical blade</li> <li>■ 2 cotton thread (cord ties)</li> <li>■ 1 maternity pad</li> <li>■ 1 white poly bag for disposal</li> <li>■ 1 unbleached dignity drape</li> <li>■ 1 instruction sheet</li> </ul>	✓	✓
<b>(36) DIAGNOSTIC KITS</b>					
321	blood sugar test strips				✓
322	hepatitis kits				✓
323	purified precipitated protein (PPD)		for diagnosis of childhood TB	✓	✓
324	urine test strips			✓	✓
<b>(37) RADIO CONTRAST MEDIA</b>					
325	amiodorizoate	Injection	140 to 420 mg iodine /ml in 20 ml	✓	✓
326	barium sulphate	aqueous suspension		✓	✓
327	contrast media for radiography (CT; MRI)	injection		✓	✗

Sr. #	Generic Drug Name	Form	Strength	Health Facility	
				DHQ	THQ
328	film developer	solution / powder	bulk packing	✓	✓
329	film fixer	solution / powder	bulk packing	✓	✓
330	iohexol	injection	140 mg to 350 mg Iodine/ml in 5-ml; 10 ml; 20-ml ampoules.	✓	✓
331	megiumine iodine	solution	76% w/v 370 mg/ml	✓	✓
332	ultrasound gel	tubes		✓	✓
333	ultrasound print paper	roll	110 mm x 20 m	✓	✓
334	X-Ray films	packs	different sizes: 10 x 12; 12 x 15; 8 x 10	✓	✓
<b>(38) DENTAL MATERIALS</b>					
335	dental needles disposable	sterile packs	different sizes	✓	✓
336	dental X-Ray films	packs	3 x 4 cm	✓	✓
337	glass ionomer cement for filling	packs	powder + liquid + spoon + mixing pad	✓	✓
338	hybrid composite kit	packs	syringes + bond + etching + shade guide	✓	✓
339	pouches for autoclave disposable	packs	small, medium, large	✓	✓
340	other disposable dental materials			✓	✓







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