



ESSENTIAL MEDICINES LIST



Department of Health Government of Khyber Pakhtunkhwa



ESSENTIAL MEDICINES LIST

October 2014

This publication was produced for review by the U.S. Agency for International Development. It was prepared by the USAID | DELIVER PROJECT, Task Order 4.

The authors' views expressed in this publication do not necessarily reflect the views of the U.S. Agency for International Development or the United States Government.

Recommended Citation

The Department of Health, Government of Khyber Pakhtunkhwa, Pakistan. 2014. *Essential Medicines List*. USAID | DELIVER PROJECT, Task Order 4, for the Department of Health, Government of Khyber Pakhtunkhwa, Pakistan.

Abstract

The Department of Health, Government of Khyber Pakhtunkhwa, formally approached the USAID | DELIVER PROJECT in 2012, seeking technical support to develop EMLs for the primary- and secondary-level health facilities in the province. The project quickly mobilized its resources to respond to this request; they developed customized EMLs after detailed consultation with all stakeholders, including health and medical professionals from the WHO (Pakistan office), as well as the districts. The Department of Health, Government of Khyber Pakhtunkhwa, is pleased to announce the first-ever province-specific EMLs for primary- and secondary-level health facilities; they meet WHO standards and WHO Pakistan has endorsed them.

CONTENTS

Acronyms	5
Symbols and Terms	7
Foreword	9
Acknowledgment	11
Essential Medicines	13
Using the Essential Medicines List	19
References	23
EML for BHUs	25
EML for RHCs	37
EML for THQs	51
EML for DHQs	69
Figures	
1. Development of Essential Medicines List	15
2. Percentage of Total Deaths for All Ages in Pakistan	17
3. Structure of Provincial Health System	18
Table	
I. Medicines with Age or Weight Restrictions	21

ACRONYMS

BOD	burden of disease
CDC	Centers for Disease Control and Prevention
DOH	Department of Health
DRAP	Drug Regulatory Authority of Pakistan
EDL	Essential Drugs List
EML	Essential Medicines List
ENT	ear; nose, throat
EPI	Expanded Programme on Immunization
GIT	gastrointestinal
HCl	hydrochloride
HSRU	Health Sector Reform Unit
IDU	injecting drug user
INN	international non-proprietary names
IU	international unit
MDR	multidrug-resistance
MIU	million international units
MOH	Ministry of Health

ACRONYMS

MSW	male sex worker
NCD	non-communicable disease
NEML	National Essential Medicines List
PIH	pregnancy induced hypertension
PVRV	purified vero cell rabies vaccine
KPPR	Khyber Pakhtunkhwa Public Procurement Rules
UNICEF	United Nations Children's Fund
USAID	U.S. Agency for International Development
WHO	World Health Organization
w/v	weight by volume

SYMBOLS AND TERMS

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

The following symbols are used throughout this list of medicines:

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ✳ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

FOREWORD

The right to health is a fundamental human right and provision of essential medicines is one of the essential components of primary health care. A standardized Essential Medicines List can meet end users' requirements and help rationalizing the purchase and distribution of medicines, thereby, reducing costs of the healthcare.

The World Health Organization (WHO) defines Essential Medicines as “*those that satisfy the priority health care needs of the population*”. They 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 at a price the individual and the community can afford.

Before 2011, it was the responsibility of the Federal Ministry of Health to develop and update Essential Medicines Lists (EMLs) while provinces were maintaining medicines procurement lists based on their field requirements. However, after the 18th Constitutional Amendment in June 2011, when all administrative and financial powers were devolved to the provinces, it was acknowledged by the Department of Health, Government of Khyber Pakhtunkhwa, that there should be segregated lists of essential medicines for each facility level.

The Department of Health, Government of Khyber Pakhtunkhwa, formally approached USAID | DELIVER PROJECT in 2012, for seeking technical support to develop EMLs for the primary and secondary level health facilities in the province. The Project quickly mobilized its resources to respond this request and developed customized EMLs after detailed consultation with all stakeholders, including health and medical professionals from the WHO (Pakistan office) as well as districts. The Department of Health, Government of Khyber Pakhtunkhwa, is pleased to

FOREWORD

announce the first ever province-specific EMLs for primary and secondary level health facilities that meet WHO standards and have also been endorsed by WHO Pakistan. The EMLs have been distributed among all stakeholders up to districts level for implementation.

The Department of Health will convene a provincial committee in Khyber Pakhtunkhwa with a proportionate representation of health and medical professionals. This committee will be reviewing and updating the EMLs regularly based on end users' requirements and an updated version will be available at <http://healthkp.gov.pk>.

I would like to express my gratitude to USAID/Pakistan for providing the support through USAID | DELIVER PROJECT for development of province-specific standard EMLs for Khyber Pakhtunkhwa. I am also grateful to the WHO/Pakistan for extending their technical support in the accomplishment of the EMLs. Their concurrent support will contribute to ensuring transparency and value for money in procurement, enhancing performance of health professionals, and ensuring availability of quality medicines for the people of Khyber Pakhtunkhwa.



Dr. Fakhar e Alam
Secretary,
Department of Health
Government of Khyber Pakhtunkhwa

ACKNOWLEDGMENT

The Essential Medicines Lists (EMLs) have been developed for primary and secondary level healthcare facilities of the Department of Health (DOH), Government of Khyber Pakhtunkhwa, with the technical and financial support of United States Agency for International Development (USAID)-funded USAID | DELIVER PROJECT, and with the technical guidance of the World Health Organization (WHO) Pakistan Office. Moreover, the health and medical professionals from district health offices and public sector health institutions of Khyber Pakhtunkhwa have also contributed and provided valuable inputs in finalizing the EMLs.

I would like to express my deepest appreciation to all relevant public sector stakeholders, development partners, health specialists and medical professionals from WHO/Pakistan for reviewing, contributing, guiding and supporting the development of the EMLs for primary and secondary healthcare facilities of Khyber Pakhtunkhwa.

The DOH highly appreciates the auspicious and productive support of USAID/Pakistan towards strengthening the health sector of the Khyber Pakhtunkhwa province. I would like to thank Mr. Randolph Augustin, Director, Health Office, USAID/Pakistan and Mr. Khalid Saeed Bukhari of WHO Pakistan for their leadership and coordinated support enabling the USAID | DELIVER PROJECT to successfully produce the EMLs.

We also wish to appreciate Dr. Muhammad Tariq, Country Director, USAID | DELIVER PROJECT Pakistan for his leadership role and his dedicated team for their devoted efforts and support provided in developing the EMLs.



Dr. Muhammad Zafar
Director General Health Services
Department of Health, Government of Khyber Pakhtunkhwa

ESSENTIAL MEDICINES

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. Recently, the 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 2011b), 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.

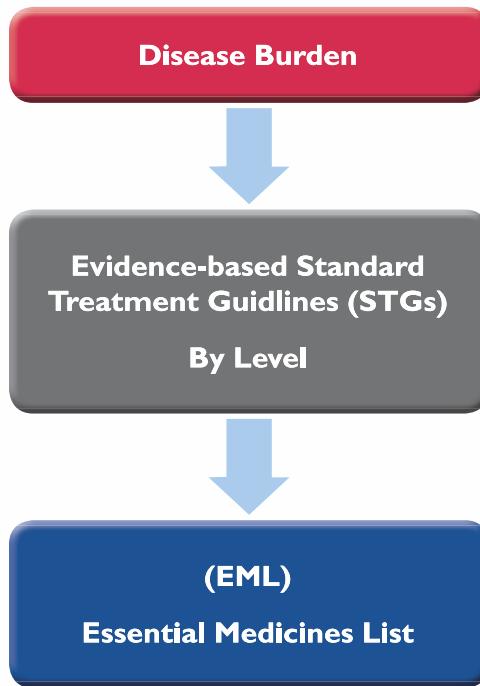
WHAT ARE ESSENTIAL MEDICINES?

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).

Figure 1. Development of Essential Medicines List



PAKISTAN NATIONAL ESSENTIAL MEDICINES LIST

To address the disease burden in Pakistan, as noted above, the National Essential Medicines (Drugs) List (NEML) of Pakistan was first prepared in 1994, after consultations with experts in the field. The list was reviewed in 1995, 2000, 2003, and 2007. The former Federal Ministry of Health (MOH) previously published and disseminated this list to healthcare professionals as part of an

effort to increase the acceptability of the concept, as envisaged in the National Drug Policy. The former MOH expected the provincial health departments and the local health authorities to procure the drugs recommended on the list. Although the list was not followed exactly in practice, the concept remains the best cost-effective mechanism for the public procurement of drugs; therefore, using the EML should be encouraged.

Recently the Drug Regulatory Authority of Pakistan (DRAP), in collaboration with WHO Pakistan, has prepared and published the National EML 2014.

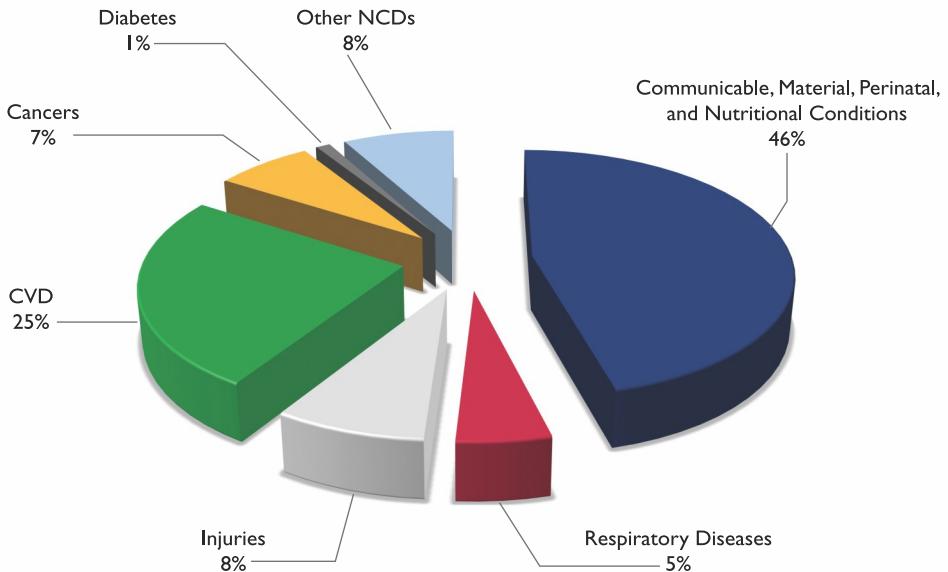
WHO discourages using the term Essential Drugs Lists (EDL) because the word Drugs is also commonly used for narcotics and other stimulant drugs. Therefore, WHO recommends using the title Essential Medicines List (EML).

PAKISTAN FACING A DOUBLE BURDEN OF DISEASE

The burden of disease (BOD) in Pakistan is dominated by communicable diseases, reproductive health problems, and malnutrition; which, collectively, account for about 50 percent of the total (WHO 2013). This includes a high maternal mortality ratio (276/100,000 live births); low antenatal care coverage (61 percent); frequent complications of pregnancy and child birth; low family planning coverage (30 percent); and a high ratio of children under 5 years, infant, and neonatal mortality (94, 78, and 54/1,000 live births, respectively). Malnutrition in the young is an underlying cause of more than 50 percent of the deaths—one-fifth of newborns have low birth weight and 38 percent of children under 5 years of age are underweight. These health issues are aggravated by a low exclusive breastfeeding rate for infants' under 6 months (37 percent of children) and low vaccination coverage (47 percent). Added to this burden are non-communicable diseases (NCD), including cardiovascular disease, diabetes, cancer, injuries, and neuro-psychiatric disorders. This double BOD is a major challenge in the health sector of Pakistan. Respiratory infections and diarrheal diseases are still the major fatal diseases in Pakistan, particularly for children under 5. Pakistan is the second country (after India) in Southeast Asia that is moving toward a concentrated HIV and AIDS epidemic stage for groups like injecting drug users (IDUs) and male sex workers (MSWs). The percentage

mortality rates for Pakistan for 2008 estimates are represented in figure 2 (WHO 2011a).

Figure 2. Percentage of Total Deaths for All Ages in Pakistan



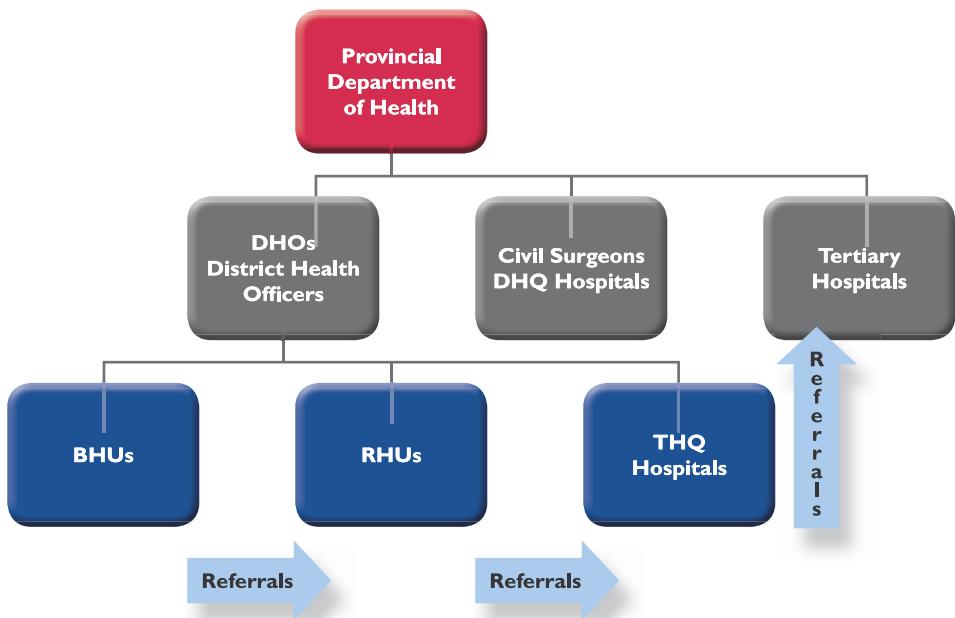
ACTIVITIES AND PROCESS ADOPTED TO DEVELOP EMLS

Extensive Internet research produced data and other available information, including websites for WHO, United Nations Children's Fund (UNICEF), Centers for Disease Control and Prevention (CDC), Department of Health (DOH) Khyber Pakhtunkhwa, Khyber Pakhtunkhwa Health Sector Reform Unit (HSRU), and many other relevant resource organizations. To access information on available EMLs and procurement lists, consultative meetings were held with

the WHO Pakistan team, as well as the provincial- and district-health officials. All the material/information collected was reviewed; a completed situation analysis identified the gaps and challenges.

After completing these steps, recommended procurement lists for essential drugs/medicines were developed for each primary- and secondary-level healthcare facility for the Department of Health, Khyber Pakhtunkhwa. These lists are based on the *WHO Model List of Essential Medicines*, WHO treatment guidelines and feedback, and observations from visits to health facilities. The draft lists were shared with WHO Pakistan; after several consultations, a final draft was endorsed by WHO, which was then shared with the provincial- and district-health officials of Khyber Pakhtunkhwa in a consultative workshop (see figure 3). The recommendations from the workshop were incorporated and the Khyber Pakhtunkhwa Health Department approved the lists for implementation across the province.

Figure 3. Structure of Provincial Health System



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 drugs/medicines are also usually much cheaper than proprietary drugs. Khyber Pakhtunkhwa Public Procurement Rules (KPPR) 2014 also prohibits the use of proprietary or brand names.

EMLs help simplify the quantification of drug requirements and the training for those prescribing and dispensing drugs. If only a limited number of drugs 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.

	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.

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.

Table 1. Medicines with Age or Weight Restrictions

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
chlorphenamine	>1 year
diloxanide	>25 kg
doxycycline	>8 years (except for serious infections, e.g., cholera)
efavirenz	>3 years or >10 kg
emtricitabine	>3 months
fluoxetine	>8 years
ibuprofen	>3 months (except IV form for patent ductus arteriosus)
mefloquine	>5 kg or >3 months
metoclopramide	not for neonates
ondansetron	>1 month
saquinavir	>25 kg
silver sulfadiazine	>2 months
tetracaine	not for preterm neonates
trimethoprim	>6 months
xylometazoline	>3 months

REFERENCES

- World Health Organization (WHO). 1978. *Declaration of Alma-Ata International Conference on Primary Health Care, Alma-Ata, USSR, 6-12 September 1978.* Geneva: WHO. Available at http://www.who.int/publications/almaata_declaration_en.pdf?ua=1 (accessed October 21, 2014)
- World Health Organization (WHO). 2002. *Promoting Rational Use of Medicines: Core Components - WHO Policy Perspectives on Medicines*, No. 005, September 2002. Available from: <http://apps.who.int/medicinedocs/en/d/Jh3011e/2.html> (accessed October 21, 2014)
- World Health Organization (WHO). 2011a. *NCD Country Profiles*. Geneva: WHO. Available at http://www.who.int/nmh/countries/pak_en.pdf (accessed October 21, 2014)
- World Health Organization (WHO). 2011b. *WHO Model List of Essential Medicines*. Geneva: WHO.
- World Health Organization (WHO). 2013. *Pakistan: Country Cooperation Strategy at a glance*. Geneva: WHO. Available at <http://www.who.int/countryfocus> (accessed October 21, 2014)

EML FOR BHUs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ✳ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A	Anaesthetics Local	1	lidocaine (hydrochloride)	vial/ ampoule	2%/w/v (10ml)
B	Analgesics / NSAIDs	2	acetylsalicylic acid (dispersible)	topical	2%Gel (15 gm)
		3	meferamic acid	tablets	100 mg to 500 mg
		4	diclofenac (sodium)	suppository	50 mg to 150 mg
		5	ibuprofen	tablets	250 mg
		6	paracetamol	ampoule	75 mg in 3ml
				tablets	200 mg, 400 mg
				syrup	200mg/5ml
				tablets	500 mg
				syrup	125 mg / 5ml
				suppository	100 mg
				tablets	4 mg
C	Antiallergics and Medicines used in Anaphylaxis	7	chlorpheniramine (hydrogen maleate)	syrup	2.5mg / 5ml
		8	dexamethasone (disodium phosphate)	injection	4 mg / ml
		9	hydrocortisone (sodium succinate)	injection	100 mg, 250 mg
		10	loratadine	tablets	10 mg
				syrup	1 mg/ml
ANTI-INFECTIVES					
D	Antibiotics/ Antimicrobials	11	amoxicillin (trihydrate) (preferably dispersible tablets)	capsules/tablet	250mg, 500 mg
		12	ampicillin (as sodium salt)	syrup	125mg & 250mg /5ml
		13	ciprofloxacin (hydrochloride)	injection	250mg, 500 mg
		14	cotrimoxazole (sulfamethoxazole + trimethoprim)	tablets	500 mg and 1 g
				tablets	250 mg, 500 mg
				syrup	400 mg+ 80 mg
					200mg + 40mg/5 ml

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		15	metronidazole (benzoate)	tablets syrup	200mg, 400 mg 200 mg / 5ml
E	Antihelminthic	16	mebendazole (chewable)	tablets	500 mg (with caution only for adults)
F	Anti-Fungal	17	nystatin	suspension tablets drops © vaginal tablet	100mg/5ml 500,000 IU 100,000 IU/ml 100 000 IU
		18	clotrimazole	vaginal cream vaginal tablet	1 % w/v 100mg, 500 mg
G	Anti-Tuberculosis Medicines As per TB Control Program guidelines	19	isoniazid + rifampicin	tablets	75 mg + 150 mg; 150 + 300mg
		20	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	150+75+ 400+275 mg
		21	ethambutol + isoniazid + rifampicin	tablets	275mg + 75mg+ 150 mg
H	Antimalarials	22	chloroquine (phosphate or sulfate)	tablets	150 mg
	<i>For Vivax</i>	23	primaquine (diphosphate)	tablets	15 mg
	<i>For Falciparum</i>	24	sulfadoxine + pyrimethamine co-blister / combined therapy	tablets	500mg+ 25 mg
		25	artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+2) tablet - two large tablets each has sulfadoxine 500mg U.S.P. + Pyrimethamine 25mg U.S.P and six small tablets, each contains artesunate 50mg U.S.P.
	<i>To Be Used In Combination (Co blister)</i>	26	artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+3) tablets- three

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
					large tablets, each has sulfadoxine 500mg U.S.P.+ pyrimethamine 25mg U.S.P.- six small tablets, each contains artesunate 100mg U.S.P.
I	Anti-Diabetics	27	glibenclamide	tablets	5 mg
		28	metformin (hydrochloride)	tablets	500 mg
J	Cardiovascular Medicines	29	furosemide 	tablets injection	20mg, 40 mg 10 mg
		30	propantheline	tablets	10 mg, 40 mg, 80 mg
		31	methyldopa	tablets	250 mg
		32	enalapril (maleate)	tablets	5 mg, 10 mg
K	GIT Medicines	33	hyoscine (butylbromide)	injection tablets	20mg/ml 10 mg
		34	metoclopramide (hydrochloride) + syrup	tablets injection	10 mg / ml 5 mg / 5ml
		35	omeprazole 	capsules	10mg, 20mg, 40mg
		36	ranitidine	injection	25 mg / ml in 2ml
		37	aluminium hydroxide + magnesium trisilicate	tablets	250mg +500mg
	Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea				dry mixture (low osmolarity formula) in sachet for 1 liter of solution; each sachet contains glucose anhydrous 13.5gm
		38	ORS (low osmolarity)	sachet	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
L	Respiratory Medicines	39	salbutamol (sulfate)	tablets	B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloridel .5gm B.P., sodium chloride 2.6gm B.P.
M	Miscellaneous	40	aminophylline	solution	5 mg/ml for nebulizer
		41	atropine (sulfate)	injection	25 mg/ml
		42	charcoal activated	ampoule	1 mg in 1ml powder
		43	diazepam	injection	10 mg gel or rectal solutions
		44	magnesium sulphate	injection	5 mg/ml in 0.5 ml; 2-ml; 4-ml
		45	oxygen concentrator / cylinder		500mg/ml
N	Ophthalmic / ENT	46	borylycerine	ear drops (only for wax removing)	40%
		47	polymyxin B sulphate+lignocaine	ear drops	each ml is contains polymyxin B (sulphate):10000 IU/ml,Lignocaine:50mg/ml; 5ml plastic bottle .
		48	gentamicin (sulfate)	eye drops	0.30%
		49	polymyxin B (sulphate)+ bacitracin zinc	eye ointment	1000IU/g + 500IU/g
O	I/V Infusions	50	dextrose + saline	infusion	5 % + 0.9% w/v
	Plasma Substitutes	51	glucose / dextrose	infusion	5, 10 %
		52	normal saline	infusion	0.9%

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
P Vitamins & Minerals Micronutrients		53	ringer's lactate	infusion	Infusion 1,000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6 gm U.S.P.; 1 gm sodium lactate 3.1 gm U.S.P.; sterile water for injection 1,000ml (q.s), 1,000 ml collapsible plastic bottle
		54	water for injection	ampoule	5 ml and 10 ml
		55	ascorbic acid	tablets	50 mg, 100 mg, 500 mg
		56	calcium lactate	tablets	500mg, 1 gm
		57	ferrous salt (fumarate)	tablets	equivalent to 60 mg iron equivalent to 25 mg iron
		58	folic acid	syrup	iron
		59	ferrous salt + folic acid	tablets	0.5mg, 1mg and 5mg
		60	multiple micronutrients	tablets/capsule	Tablet, equivalent to 60 mg iron + 400 mcg folic acid
		61	retinol (vitamin A)	sachet	UNICEF Approved
		62	zinc sulphate	dispersible tablets	20 mg
Q Dermatologicals		63	B complex (B1, B6 and B12)	tablets	DRAP approved
		64	multivitamins	tablets	DRAp approved
		65	benzyl benzoate	lotion	5% & 25%
		66	calamine	lotion	15%
		67	hydrocortisone	cream	1%

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		68	polymyxin B (sulphate)+ bacitracin zinc	ointment	10,000 IU/g + 500 IU/g
R	Oxytocic Medicines	69	silver sulphadiazine  	cream	1%
		70	ergometrine  (hydrogen maleate)	injection	200 mcg in 1ml
		71	misoprostol	tablets	200 mcg
		72	oxytocin	injection	10 IU in 1ml
S	Contraceptives	73	condoms		
		74	ethynodiol dihydrogesterone  + norethisterone 	CO pills	35mcg + 1mg
		75	levonorgestrel 	PO pills	30 mcg
		76	copper T / multiload	IUCD	
T	Vaccines & Sera	77	DMPA (medroxyprogesterone acetate)	injection	150 mg /1ml
		78	norethisterone enanthate	injection	200 mg/ml in 1ml
		79	BCG vaccine		
		80	hepatitis B vaccine		
		81	measles vaccine		
		82	polio vaccine (OPV trivalent) /IPV	oral/ injection	WHO Approved / As per National EPI Program
		83	pentavalent vaccine		
		84	pneumococcal vaccine		
		85	tetanus toxoid		
		86	anti-rabies vaccine (PVRV)	single dose vial	>2.5 IU
		87	anti-snake venom serum		
		88	povidone-iodine	solution	10 %w/v
U	Antiseptics/ Disinfectants	89	halogenated sodium phosphate in stable dry granular form	powder	100gms

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		90	chlorine base compound	powder	(0.1% available chlorine) for solution
		91	chlorhexidine + ceterimide	solution	1.5%w/v + 1.5%w/v
	Antiseptics for Cord Care	92	chlorhexidine digluconate (7.1%) for cord care	gel	Equivalent to 4 % Chlorhexidine
V	Disposable Supplies	93	syringe (auto disable) (DRAP approved)	sterile packs	1cc and 5cc
		94	I.V sets (DRAP approved)	sterile packs	
		95	I.V cannula (DRAP approved)	sterile packs	20G, 24G
		96	adhesive tape (hypoallergenic)	roll	1, 2 inch
		97	surgical gauze		32 pix, 40 M
		98	cotton bandage	roll	6.5cm x 2m
		99	absorbent cotton wool	pack	500gm
		100	examination gloves	pairs	box of 100 (small, medium and large size) [1:2:1]
		101	sterile surgical gloves	pairs	7, 7½
		102	silk sutures	sterile packs	0, 1/0, 2/0
		103	face masks disposable		
		104	airways		all sizes
		105	resuscitator bag with mask		
		106	blood lancets	sterile packs	
		107	sides		
		108	clean delivery kits	sterile packs	<ul style="list-style-type: none"> ■ 1 bath soap, 50 gram wrapped ■ 1 apron ■ 2 paper towel ■ 2 pairs of latex examination gloves (m)

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
				<ul style="list-style-type: none"> ■ 1 Plastic under sheet (about one square meter) ■ 1 under pads ■ 60cmx30cm ■ 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 	

EMERGENCY TRAY FOR BHU

Sr#	Name of Item	Strength	Quantity
I	injection tranexamic acid	250mg/5ml	10
2	injection atropine	1mg/1ml	10
3	injection adrenaline	0.1mg/ml	10
4	injection diazepam	5mg/ml	10
5	injection diclofenac sodium	25mg/ml	10
6	injection pheniramine (maleate)	22.7mg/2ml	10
7	injection hydrocortisone sodium	100mg	1
8	injection lidocaine	2% w/v	5
9	water for injection	5ml	5
10	injection ringer lactate	1,000ml	10
11	injection normal saline	1,000ml	10
12	glyceryl trinitrate sublingual	500mcg	50
13	isosorbide dinitrate sublingual	5mg	10
14	lidocaine	gel	1
15	cotton roll BPC	500gms	1
16	compression bandage BPC		5
17	D/S	5 cc	30
18	IV set		20
19	IV cannula	18G, 20G, 22G, 24G	20 (1:2:2:1)
20	silk sutures sterile packs	0, 1/0, 2/0	10
21	ETT	(3mm, 3.5mm, 4mm, 7.5mm, 8mm)	10
22	Foley's catheter	All sizes (10 F to 28 F)	12
23	NG tube	(14–18 Fr; infant/child: 10–14 Fr)	10
24	injection 25% DW	25 ml ampoule	2

EML FOR RHCs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ★ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A	Anaesthetics Local	1	bupivacaine (hydrochloride)	vial ampoule	0.25%; 0.5% (5mg/ml) 0.5% in 4-ml
		2	lidocaine (hydrochloride)	vial/ ampoule topical forms	5% (hydrochloride) in 2-ml ampoule to be mixed with 7.5% glucose solution. 2%Gel, 4%Solution
		3	lignocaine + epinephrine (adrenaline)	injection dental cartridge	2% + :200 000 2% + 1:80 000
B	Analgesics / NSAIDs	4	acetylsalicylic acid (dispersible)	tablets	300 mg
		5	mefenamic acid	tablets	250 mg
		6	diclofenac (sodium)	tablets ampoule	50 mg 75 mg in 3ml
		7	ibuprofen	tablets syrup	200 mg, 400 mg 200 mg/5ml
		8	paracetamol	tablets syrup suppository	500 mg 125 mg / 5ml 100 mg
C	Antiallergics and Medicines used in Anaphylaxis	9	chlorpheniramine (hydrogen maleate)	tablets syrup	4 mg 2 mg / 5 ml
		10	dexamethasone (disodium phosphate)	injection tablets	4 mg / ml 0.5 mg
		11	epinephrine (adrenaline)	ampoule	1 mg / ml
		12	hydrocortisone (sodium succinate)	injection	100mg, 250 mg
		13	loratadine	tablets syrup	10 mg 1 mg/ml
		14	prednisolone	tablets	5 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
D Antidotes and Other Substances used in Poisonings	15	atropine (sulfate) ♦	ampoule	1 mg in 1ml	
	16	charcoal activated	powder		
	17	diazepam	injection	10 mg	
	18	naloxone (hydrochloride)	ampoule	400 mcg in 1ml	
E Anti-Epileptics Anti-Convulsants For eclampsia only	19	carbamazepine	tablets	200 mg	
	20	magnesium sulphate	syrup	100mg / 5ml	
	21	phenobarbital (sodium)	injection	500mg/ml	
	22	phenytoin (sodium)	tablets	30 mg	
	23	valproic acid (sodium valproate)	injection	200 mg /ml	
	22	phenytoin (sodium)	tablets	100 mg	
	23	valproic acid (sodium valproate)	oral liquid	200 mg/5 ml (crushable) 100 mg	
F Anthelmintic	24	albendazole	tablets	200 mg (enteric-coated) 200, 500 mg	
	25	mebendazole (chewable)	syrup	100 mg / 5ml	
	26	pyrantel (pamoate)	tablets	500 mg (with caution only for adults)	
			tablets	250 mg	
G Anti-Fungal	27	clotrimazole	syrup	250 mg / 5ml	
	28	nystatin	vaginal cream	1% w/v	
			vaginal tablet	100, 500 mg	
H ANTI-INFECTIVES Antibiotics/ Antimicrobials	29	amoxicillin (trihydrate) (preferably dispersible tablets)	tablets	500,000 IU	
			drops Ⓢ	100,000 IU/ml	
			vaginal tablet	equivalent to 100 000 IU	
			capsules / tablet	250 mg, 500 mg	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
				syrup ©	125mg & 250mg /5ml
30	ampicillin (sodium)			injection	250mg, 500 mg
				capsules	250 mg, 500 mg
31	azithromycin ☐			syrup ©	125 mg & 250 mg /5ml
				injection	500 mg and 1 g
32	benzyI penicillin (potassium)			capsules	250 mg, 500 mg
				suspension	125mg / 5ml in 22.5ml
33	cefixime* (trihydrate)			injection ©	600 mg (= 1 million IU); 3 g (= 5 million IU) (sodium or potassium salt) in vial
34	ciprofloxacin ☐ (hydrochloride)			capsules	400 mg
35	cotrimoxazole ↗ (sulfamethoxazole + trimethoprim)			tablets ©	250 mg, 500 mg
36	doxycycline (hyclate) ↗			tablets ©	400 mg + 80 mg
37	gentamicin (sulfate) ☐			syrup ©	200mg + 40mg/5 ml
38	metronidazole ☐ (benzoate)			caps	100 mg
39	nitrofurantoin			injection	40 mg, 80 mg
40	procaine benzyl penicillin			tablets	200 mg, 400 mg
41	phenoxymethyl penicillin (potassium)			syrup	200 mg / 5ml
1	Anti-Virals	42	ribavirine	infusion	5mg/ml in 100ml
				tablets	100 mg
				injection	1, 3 ml IU
				tablets	250 mg, 500 mg
				syrup	125 mg / 5ml
				tablets	200 mg, 400 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
J Anti-Tuberculosis Medicines As per TB Control Program guidelines	43	isoniazid + rifampicin	tablets	75 mg+ 150 mg; 150 mg + 300mg	
	44	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	150 mg+75 mg+ 400 mg+275 mg	
	45	ethambutol + isoniazid + rifampicin	tablets	275 mg + 75 mg + 150 mg	
K Anti-Diabetics	46	glibenclamide	tablets	5 mg	
	47	metformin (hydrochloride)	tablets	500 mg	
	48	insulin regular	injection	100 IU / ml	
	49	insulin comp	injection	30 + 70 % w/v	
	50	chloroquine (phosphate or sulfate)	tablets	150 mg	
	51	primaquine (diphosphate)	tablets	15 mg	
L Antimalarials For Vivax For Falciparum	52	sulfadoxine + pyrimethamine co-blister / combined therapy	tablets	500mg + 25 mg	
	To Be Used In Combination (Co blister)		artesunate plus sulfadoxine and pyrimethamine	co blister of (6+2) tablet - two large tablets each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P and six small tablets, each contains artesunate 50mg U.S.P.	
	53		artesunate plus sulfadoxine and pyrimethamine	co blister of (6+3) tablets- three large tablets, each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P.- six small tablets, each contains artesunate 100mg U.S.P.	
	Management of severe Malaria		artemether	injection	40 mg/ml
	M GIT Medicines		hyoscine (butylbromide)	injection	20 mg/ml
			tablets	10 mg	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		56	phloroglucinol	tablets	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		57	metoclopramide (hydrochloride) +	tablets	10 mg
		58	omeprazole	syrup	5 mg / 5ml
		59	ranitidine	injection	5mg/ml
		60	aluminium hydroxide + magnesium trisilicate	capsules	10mg, 20mg, 40mg
		61	ORS (low osmolarity)	injection	25 mg / ml in 2ml
		62	bisacodyl	tablets	250mg +500mg
	<p>Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea</p>				
N	Cardiovascular Medicines		63	glycerin	suppository
			64	glyceryl trinitrate	sublingual
			65	isosorbide dinitrate	sublingual
			66	nifedipine	tablets
			67	methyldopa	tablets
			68	hydrochlorothiazide	injection
			69	enalapril (maleate)	tablets
			70	propanolol	tablets
	<p>For severe PIH only</p> <p>For severe PIH only</p>				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
O	Oxytocic Medicines	71	furosemide	tablets	20, 40 mg
O	Oxytocic Medicines	72	ergometrine ((hydrogen maleate)	injection	10 mg
O	Oxytocic Medicines	73	misoprostol	tablets	200 mcg in 1ml
P	Respiratory Medicines	74	oxytocin	injection	200 mcg
P	Respiratory Medicines	75	salbutamol (sulfate)	tablets	10 IU in 1-ml
P	Respiratory Medicines	76	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	inhaler	2mg and 4mg 100 micrograms
P	Respiratory Medicines	77	aminophylline	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
Q	Ophthalmic / ENT	78	boryoglycerine	injection	25 mg/ml
Q	Ophthalmic / ENT	79	polymyxin B sulphate+lignocaine	ear drops (only for wax removing)	40 %
Q	Ophthalmic / ENT	80	gentamicin (sulfate)	ear drops	each ml is contains polymyxin B (sulphate):10000 IU/ml,Lignocaine:50mg/ml:5ml plastic bottle .
Q	Ophthalmic / ENT	81	tetracycline (hydrochloride)	eye drops	0.30%
R	I/V Infusions Plasma Substitutes	82	plasma expander	eye ointment	1%
R	I/V Infusions Plasma Substitutes	83	glucose / dextrose	infusion	dextran 6 %w/v, glucose 5 %w/v
R	I/V Infusions Plasma Substitutes	84	normal saline	infusion	5, 10, % 25%
R	I/V Infusions Plasma Substitutes	85	dextrose + saline	infusion	0.9% 5 % + 0.9% w/v

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
S Vitamins & Minerals		86	ringer's lactate	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. gm U.S.P., sterile water for injection 1000ml (q.s.), 1,000ml collapsible plastic bottle
		87	potassium chloride	solution	11.2% in 20-ml ampoule
		88	sodium bicarbonate	injection	1.4% isotonic
		89	water for injection	ampoule	5 ml, 10 ml
		90	ascorbic acid	tablets	50, 100, 500 mg
		91	calcium gluconate	injection	100 mg/ml in 10-ml
		92	calcium lactate	tablets	500mg, 1 gm
		93	calcium chloride	injection	200 mg/ml
		94	ergocalciferol (vitamin D)	tablets	1.25 mg (50 000 IU)
		95	ferrous salt (fumarate)	tablets	equivalent to 60 mg iron
<i>Nutritional supplement for use during pregnancy</i>		96	folic acid	syrup	equivalent to 25 mg/ml iron
		97	ferrous salt + folic acid	tablets	0.5mg, Img & 5mg
		98	multiple micronutrients	tablets	equivalent to 60 mg iron + 400 mcg folic acid
		99	retinol (vitamin A)	sachet	UNICEF approved
		100	zinc sulphate	dispersible tablets	20 mg
		101	vitamin K	injection	10 mg
		102	B complex (B1, B6 and B12)	tablets	DRAP approved
		103	multivitamins	tablets	DRAP approved
<i>for acute diarrhea</i>					

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
T	Miscellaneous	104	tranexamic acid	injection	250mg, 500mg /5ml
		105	oxygen (medicinal gas) cylinder	caps	250mg, 500mg
U	Dermatologicals	106	benzyl benzoate  	lotion	5% & 25%
		107	permethrin 	cream, lotion	5%w/w
		108	calamine	lotion	15%
		109	hydrocortisone 	cream	1%
		110	polymyxin B (sulphate)+ bacitracin zinc	ointment	10000IU/g + 500IU/g
		111	silver sulphadiazine 	cream	1%
		112	condoms		
		113	ethynodiol diol  + norethisterone 	CO pills	35mcg + 1mg
		114	levonorgestrel 	PO pills	30 mcg
V	Contraceptives	115	levonorgestrel 	EC pills	750 mcg (pack of 2)
		116	Copper T / multiload IUCD		
		117	DMPA (medroxyprogesterone acetate)	injection	150 mg/ 1ml
		118	norethisterone enanthate	injection	200 mg/ml in 1ml
		119	estradiol cypionate + medroxyprogesterone acetate	injection	5 mg + 25 mg
		120	BCG vaccine		
		121	polio vaccine (OPV trivalent)/IPV	oral/ injection	
		122	hepatitis B vaccine		WHO Approved/ As per National EPI Program
		123	measles vaccine		
W	Vaccines & Sera	124	tetanus toxoid		
		125	pentavalent vaccine		

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		126	pneumococcal vaccine		
		127	anti-rabies vaccine (PVRY)	single dose vial	>2.5 iu
X	Anxiolytics	128	anti-snake venom serum		
		129	alprazolam	tablets	0.5 mg
		130	diazepam	tablets	2 mg
Y	Antiseptics/ Disinfectants Only chlorine based compound in stable dry granular form	131	povidone-iodine	solution	10 %w/v
		132	halogenated sodium phosphate	powder	100gms (0.1% available chlorine) for solution
		133	chlorine base compound	powder	1.5%w/v + 15%w/v
		134	chlorhexidine + cetyltrimidide	solution	
		135	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4 % chlorhexidine
Z	Disposable Supplies	136	syringe (auto disable)	sterile packs	Icc and 5cc
		137	I.V sets	sterile packs	DRAP approved
		138	scalp vein set	sterile packs	DRAP approved
		139	volumetric chamber (i.v. burette)	sterile packs	100 ml size
		140	I.V cannula (DRAP approved)	sterile packs	16G, 20G, 24G
		141	adhesive tape (hypoaellergenic)	roll	1. 2 inch
		142	sterile gauze dressing		7.5 x 7.5 cm (10 ply)
		143	cotton bandage	roll	6.5cm x 2m
		144	absorbent cotton wool	pack	500gm
		145	crepe bandage		7.5, 10 cm x 2.7m
		146	examination gloves	pairs	box of [00 (small, medium and large size) [1:2:]
		147	sterile surgical gloves	pairs	6, 6½, 7, 7½

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		148	silk sutures sterile	12 / pack	0, 1/0, 2/0, 3/0, 4/0
		149	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		150	face masks disposable	sterile packs	
		151	blood lancets	sterile packs	
		152	slides		
		153	endotracheal tube	sterile packs	Set of 12
		154	resuscitator bag with mask		
		155	nasogastric tube		Adult / Paeds
					<ul style="list-style-type: none"> ■ 1 bath soap, 50 gram wrapped ■ 1 apron ■ 2 paper towel ■ 2 pairs of latex examination gloves (1m) ■ 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
		156	clean delivery kits	sterile packs	

EMERGENCY TRAY FOR RHC

Sr#	Name of Item	Strength	Quantity
1	injection dobutamine	50mg/ml	5
2	injection tranexamic acid	250mg/5ml	10
3	injection furosemide	10mg/ml	10
4	injection calcium gluconate	100mg/ml in 10ml	10
5	injection dimenhydrinate	50mg/ml	10
6	injection sodium bicarbonate	8.4% w/v, 25ml	10
7	injection potassium chloride	11.2% in 20ml ampoule	5
8	injection atropine	1mg/1ml	10
9	injection adrenaline	0.1mg/ml	10
10	injection diazepam	5mg/ml	10
11	injection diclofenac sodium	25mg/ml	10
12	injection plasma expander	500ml	5
13	injection hydrocortisone sodium	100mg and 250mg	20 (1:1)
14	injection ranitidine	25mg/ml	10
15	injection aminophylline	25mg/ml	10
16	injection lidocaine	2% w/v, 10ml	10
17	water for injection	5ml	5
18	injection 25% DW	25ml ampoule	10
19	Ringer's lactate infusion	1000ml	10
20	dextrose infusion	10%, 500ml	10
21	normal saline infusion	1,000ml	10
22	normal saline with dextrose infusion	5%, 1,000ml	10
23	lidocaine	gel	5
24	cotton roll BPC	500gms	5
25	cotton bandage BPC	4 inch, 6 inch	24
26	D/S (AD)	5 cc	10
27	D/S	10cc	5
28	D/S	1cc	5
29	D/S	20cc	1

EMERGENCY TRAY FOR RHC

Sr#	Name of Item	Strength	Quantity
30	volumetric chamber (IV burette)		5
31	IV set		45
32	IV cannula	16G, 18G, 20G, 22G, 24G	25 (1:1:2:2:1)
33	ETT	(3mm, 3.5mm, 4mm, 7.5mm, 8mm)	10
34	Foley's catheter	all sizes (10 F to 28 F)	10
35	NG tube	(14–18 Fr; infant/child: 10–14 Fr)	12

EML FOR THQs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ★ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A	Anaesthetics General	1	halothane / isoflurane	inhalation	
		2	nitrous oxide	inhalation	
		3	oxygen (medicinal gas) cylinder	inhalation	
		4	ketamine (hydrochloride)	injection	50mg /ml in 10ml
		5	thiopental sodium	injection	10 mg/ml; 20 mg/ml
B	Muscle Relaxants	6	neostigmine (metilsulfate) (bromide)	injection tablets	2.5 mg in 1ml 15 mg
		7	suxamethonium (chloride)	ampoule	50 mg /ml in 2-ml
		8	bupivacaine (hydrochloride)	vial	0.25%, 0.5%
C	Anaesthetics Local	9	lidocaine (hydrochloride)	vial/ ampoule	(5mg/ml) 0.5% in 4-ml 2-ml ampoule to be mixed with 7.5% glucose solution.
		10	lignocaine + epinephrine (adrenaline)	topical forms	2%Gel, 4%Solution
		11	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000
		12	ephedrine (hydrochloride)	dental cartridge	2% + 1:80 000
		13	morphine (sulphate or hydrochloride)	ampoule	30 mg in 1-ml
		14	pethidine (hydrochloride)	ampoule	10 mg 1-ml
		15	midazolam	injection tablets	50 mg/ml in 2ml 7.5 mg 1 mg/ml
		16	acetylsalicylic acid (dispersible)	dispersible tablets	300 mg
		17	diclofenac (sodium)	tablets	50 mg
				ampoule	75 mg in 3ml
Complementary List					
D	Analgesics Opioid	12			
		13			
		14			
		15			
		16			
E	Analgesics / NSAIDs	17			

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		18	ibuprofen ♦	tablets syrup	200 mg, 400 mg 200 mg/5ml
		19	piroxicam	injection	20mg / ml
		20	naproxen	tablets	250 mg, 500 mg
				tablets	500 mg
		21	paracetamol	syrup suppository	125 mg / 5ml 100 mg
				tablets	100 mg and 300mg
F Medicines to treat Gout G Antiallergics and Medicines used in Anaphylaxis	22	allopurinol	chlorpheniramine (hydrogen maleate) ☐ ♦	tablets syrup ☒	4 mg 2 mg / 5ml
	23	cetirizine		tablets syrup	10 mg 5 mg / 5ml
	24	loratadine		tablets syrup	10 mg 1 mg/ml
	25	promethazine (HCl)		tablets syrup	25 mg 25 mg/5ml
	26	dexamethasone (disodium phosphate)		injection tablets	25 mg/ml in 2ml 0.5 mg
	27	epinephrine (adrenaline)		injection ampoule	4 mg / ml 1 mg / ml
	28	hydrocortisone (sodium succinate)		injection tablets	100, 250 mg 5 mg
	29	prednisolone ☐		ampoule	1 mg in 1ml
	30	atropine (sulfate) ♦		powder	1 mg
H Antidotes and Other Substances used in Poisonings	31	charcoal activated		ampoule	10mg/ml -in 10ml
	32	methylthioninium chloride (methylene blue)			
	33				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
I	Antiepileptics Anticonvulsants For eclampsia only	34	naloxone (hydrochloride)	ampoule	400 mcg in 1ml
		35	carbamazepine	tablets	200 mg
		36	magnesium sulphate	syrup	100mg / 5ml
		37	phenobarbital (sodium)	injection	500 mg/ml
		38	phenytoin (sodium)	tablets	30 mg 100 mg
				syrup	30 mg/5 ml
ANTI-INFECTIVES					
J	Antibiotics/ Antimicrobials	39	amoxicillin (trihydrate) (preferably dispersible tablets)	capsules / tablet powder for suspension ©	250mg, 500 mg 125mg & 250mg /5ml
		40	ampicillin (sodium)	injection capsules powder for suspension ©	250 mg, 500 mg 250 mg, 500 mg 125 mg & 250 mg /5ml
		41	amoxicillin + clavulanic acid	injection tablets	500 mg and 1 g 375 mg
				syrup	125 mg amoxicillin + 31.25 mg clavulanic acid/5 ml and 250 mg amoxicillin + 62.5 mg clavulanic acid/5 ml
				injection	1 Gm
		42	benzyl penicillin (potassium)	injection ©	600 mg (= 1 million IU); 3 g (= 5 million IU) (sodium or potassium salt) in vial
		43	cloxacillin	capsules	250 mg, 500 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	Only listed for single-dose treatment of uncomplicated anogenital gonorrhea.	44	cefixime* (trihydrate)	capsules	125 & 250 /5ml
45	ceftriaxone (sodium) + chloramphenicol (palmitate) (sodium succinate)		Powder for injection capsules syrup injection	250mg , 500mg, 1gm 250 mg 125 mg / 5ml 1 gm	
46	ciprofloxacin (hydrochloride) []		tablets	250 mg, 500 mg	
47	azithromycin []		capsules	250 mg, 500 mg	
48			suspension	125mg / 5ml in 22.5ml	
49	clarithromycin		tablets suspension	500 mg 125 mg / 5ml	
50	clindamycin (hydrochloride) (phosphate)		capsules injection	150 mg , 300mg 150mg / ml	
51	cotrimoxazole + (sulfamethoxazole + trimethoprim)		tablets [] syrup []	400 + 80 mg 200mg + 40mg/5 ml	
52	doxycycline (hydiate) +		capsules [] syrup []	100 mg 25mg / 5ml	
53	gentamicin (sulfate) []		injection	40 mg, 80 mg	
54	levofloxacin		tablets	250 mg, 500 mg	
55	Metronidazole [] (benzoate)		tablets injection syrup	200 mg, 400 mg 500 mg in 100-ml 200 mg / 5ml	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
K	Antihelminthic	56	nitrofurantoin	tablets	100 mg
		57	procaine benzyl penicillin	injection	1, 3 ml IU
		58	phenoxy(methyl) penicillin (potassium)	tablets	250 mg, 500 mg
				syrup	125 mg / 5ml
				tablets	200 mg
		59	albendazole	syrup	100 mg / 5ml
L	Anti-Fungal	60	mebendazole (chewable)	tablets	500 mg (with caution only for adults)
		61	pyrantel (pamoate)	tablets	250 mg
				syrup	250 mg / 5ml
		62	clotrimazole	vaginal cream	1%
				vaginal tablet	100, 500 mg
		63	fluconazole ☐	capsules	50 mg
M	Antiperpes Medicines			injection	2 mg/ml
		64	nystatin	syrup	50 mg/5 ml
				tablets	500,000 IU
				drops ☐	100,000 IU/ml
		65	acyclovir ☐	tablets	200 mg
N	Antileishmaniasis Medicines	66	amphotericin B	injection	50 mg in vial
		67	sodium stibogluconate	injection	100 mg/ml in 30ml vial
				tablets	400 mg
				oral liquid ☐	25 mg/ml
		69	isoniazid	tablets/syrup ☐	50 mg, 100 mg, 300 mg
		70	pyrazinamide	tablets	500 mg
O	Anti-Tuberculosis Medicines As per TB Control Program guidelines	71	rifampicin	caps / syrup ☐	150 mg, 300 mg, 450 mg, 600 mg
		72	streptomycin	injection	1 gm

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		73	ethambutol + isoniazid	tablets	400 mg + 150 mg
		74	isoniazid + rifampicin	tablets	75mg + 150 mg; 150mg+ 300mg
		75	isoniazid + pyrazinamide + rifampicin	tablets	75mg + 400mg+ 150 mg.
		76	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	150mg +75mg+ 400mg+275 mg
		77	ethambutol + isoniazid + rifampicin	tablets	275mg + 75mg + 150 mg
P	Anti-Diabetics	78	glibenclamide	tablets	5 mg.
		79	metformin (hydrochloride)	tablets	500 mg
		80	insulin regular	injection	100 IU / ml
		81	insulin comp	injection	30 + 70 % w/v
		82	chloroquine (phosphate or sulfate)	tablets	150 mg
		83	primaquine (diphosphate)	tablets	15 mg
		84	sulfadoxine + pyrimethamine	tablets	500mg+ 25 mg
		85	artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+2) tablet - two large tablets each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P and six small tablets, each contains artesunate 50mg U.S.P.
Q	Antimalarials	<i>For Vivax</i>			
		<i>For Falciparum</i>			
<i>To Be Used In Combination (Co blister)</i>					
					co blister of (6+3) tablets- three large tablets, each has sulfadoxine 500mg U.S.P.+ pyrimethamine 25mg U.S.P.-

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	Management of Severe Malaria	86	artemether*	ampoule	six small tablets, each contains artesunate 100mg U.S.P.
R	GIT Medicines	87	artemether + lumefantrine*	tablets ©	80 mg/ml in 1-ml
		88	hyoscine (butylbromide)	injection tablets	20 mg + 120 mg
		89	phloroglucinol	tablets	10 mg
		90	metoclopramide (hydrochloride) ♦	tablets syrup	Phloroglucinol 80mg + Trimethylphloroglucinol 80mg 10 mg / 5ml
		91	omeprazole ☐	injection capsules	20 mg/ml
		92	raniidine	injection	10mg, 20mg, 40mg
		93	aluminum hydroxide + magnesium trisilicate	tablets	25 mg / ml in 2ml 250mg +500mg
					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.
	Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea			sachet	
		94	ORS (low osmolarity)		
		95	sodium phosphate	enema	7.2g /120ml
		96	bisacodyl	tablets	5 mg

	Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
S			97	glycerin	suppository	
			98	magnesium oxides and hydroxides	suspension	7.9 %w/v
			99	acetylsalicylic acid	tablets	100 mg
	100	bisoprolol 			tablets	1.25 mg; 5 mg
	101	digoxin			tablets	62.5, 250mcg
	102	dopamine (hydrochloride)			injection	250mcg /ml in 2ml
	103	enalapril (maleate) 			injection	40 mg/ml in 5ml vial
	104	glyceryl trinitrate			tablets	2.5mg, 5 mg
	105	hydralazine (hydrochloride)			sublingual	500 mcg
					injection	20 mg
<i>For severe PIH only</i>					tablets	25, 50 mg
	106	isosorbide dinitrate 			sublingual	5 mg
					tablets	5mg, 10mg, 50 mg
					infusion	10 mg/10ml
	107	methyl/dopa			tablets	250, 500 mg
	108	streplokinase			injection	250 mg
	109	propanolol			powder for injection	1.5 million IU
	110	simvastatin 			tablets	10mg, 40mg, 80 mg
	111	verapamil (hydrochloride)			tablets	5mg, 10mg, 20mg, 40 mg
	112	furosemide 			tablets	40 mg; 80 mg
T						20mg, 40 mg
						10 mg
						12.5mg, 25 mg
U						25 mg
						3 MIU
U	115	interferon alpha 2b			injection	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
V	Medicines affecting coagulation	116	ribavirine	tablets	200, 400, 600 mg
		117	heparin sodium	injection	1000, 5000, 20000 IU/ml
		118	tranexamic acid	injection	100 mg/ml in 10-ml
		119	clopidogrel	capsules	250mg, 500mg
		120	warfarin (sodium)	tablets	75, 150, 300 mg
		121	ergometrine (hydrogen maleate)	tablets	1mg, 2mg, 5 mg
W	Oxytocic Medicines	122	misoprostol	injection	200 mcg in 1ml
		123	oxytocin	tablets	200 mcg
		124	aminophylline	injection	10 IU in 1-ml
		125	beclomethasone (dipropionate)	injection	25mg/ml in 10ml
		126	salbutamol (sulfate)	tablets	100 mg
		127	montelukast	inhaler	50 mcg/actu
X	Respiratory Medicines	128	ammonium chloride + chlorform + menthol + diphenhydramine + sodium citrate	tablets	2mg, 4 mg
		129	dextromethorphan + diphenhydramine	inhaler	100 micrograms
		130	dexamethosone	injection	50 micrograms in 5ml
		131	gentamicin (sulfate)	solution for nebulizer	5 mg /ml
		132	tropicamide	tablets	4mg, 5mg, 10 mg
		133			131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
Y	Ophthalmic	134			
		135			
		136			
		137			

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		133	pilocarpine (hydrochloride or nitrate)	eye drops	2%; 4%
		134	tetracycline (hydrochloride)	eye ointment	1%
		135	sulphacetamide	eye drops	0.50%
		136	Polymyxin B sulphate+lignocaine	ear drops	10, 20 %w/v each ml is containing polymyxin b (sulphate):10000iu+propyl ene glycol:0.92ml+lignocaine:5 0mg:5ml plastic bottle.
		137	micronazole (nitrate)	eye ointment	2%
		138	Polymyxin B (sulphate)+ bacitracin zinc	eye ointment	10000IU/g + 500IU/g
		139	tetracaine (hydrochloride)	drops	0.50%
		140	timolol (hydrogen maleate)	eye drops	0.25%; 0.5%
Z	ENT	141	boroglycerine	ear drops (only for wax removing)	40%
		142	ciprofloxacin	ear drops	0.30%
		143	ephedrine	nasal drops	0.5%
		144	lignocaine	topical solution	4%
		145	saline nasal drops	nasal drops	0.9%
		146	xylometazoline	nasal spray	0.05%
AA	IV Infusions Plasma Substitutes	147	plasma expander	infusion	dextran 6 %w/v, glucose 5 %w/v
		148	glucose / dextrose	infusion ampoule	5, 10, % 25%
		149	normal saline	infusion	0.9%

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		150	dextrose + saline	infusion	5 % + 0.9% w/v
151	ringer's lactate [■]			infusion	infusion, 100ml 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.), 1000ml collapsible plastic bottle
152	potassium chloride			solution	11.2% in 20-ml ampoule
153	sodium bicarbonate			injection	1.4% isotonic
154	mannitol			infusion	10% and 20 %w/v (500ml)
155	water for injection			ampoule	5 ml, 10 ml
156	benzyl benzoate [■] +			lotion	5% & 25%
157	betamethasone [■] +			cream / ointment	0.1%
158	calamine [■]			lotion	15%
159	coal tar			lotion	5%
160	hydrocortisone [■]			cream	1%
161	permethrin			cream / lotion	5 % / 1 %
162	salicylic acid			solution	5%
163	miconazole (nitrate)			cream / ointment	2%
164	polymyxin B (sulphate) + bacitracin zinc			ointment	10000IU/g + 500IU/g
165	silver sulphadiazine [■]			cream	1%
166	sodium thiosulphate			solution	15%
167	ascorbic acid			tablets	50, 100, 500 mg
168	calcium gluconate			injection	100 mg/ml in 10-ml

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		169	calcium lactate	tablets	500mg, 1 gm
		170	ergocaliferol (vitamin D)	tablets	1.25 mg (50 000 IU)
		171	ferrous salt (fumarate)	tablets	equivalent to 60 mg iron
				syrup	equivalent to 25 mg/ml iron
		172	folic acid	tablets	0.5mg, 1mg & 5mg
	<i>Nutritional supplement for use during pregnancy</i>	173	ferrous salt + folic acid	tablets	equivalent to 60 mg iron + 400 mcg folic acid
		174	vitamin K	injection	10 mg
		175	hydroxocobalamin	ampoule	1 mg in 1ml
		176	multiple micronutrients	sachet	UNICEF approved
		177	retinol (vitamin A)	tablets/ capsules	50 000 IU; 100 000 IU; 200 000 IU (as palmitate)
		178	zinc sulphate	dispersible tablets	20 mg
		179	B complex (B1, B6 and B12)	tablets	DRAP approved
		180	multivitamins	tablets	DRAP approved
		181	condoms		
<i>for acute diarrhea</i>		182	ethynodiol diacetate + norethisterone	CO pills	35mcg + 1mg
		183	levonorgestrel	PO pills	30 mcg
		184	levonorgestrel	EC pills	750 mcg (pack of 2)
		185	copper T / multiload	IUCD	
		186	DMPA (medroxyprogesterone acetate)	injection	150 mg /1ml
		187	norethisterone enanthate	injection	200 mg/ml in 1ml
		188	estradiol cypionate + medroxyprogesterone acetate	injection	5 mg + 25 mg
		189	levonorgestrel-releasing implant	sub dermal implant	2 rod 75mg each (Use life: 5 years)

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
AE Vaccines & Sera	190	etongestrel-releasing implant	sub dermal implant	1 rod 68mg each (Use life: 3 years)	
	191	BCG vaccine			
	192	polio vaccine (OPV trivalent)/IPV	oral/ injection		
	193	hepatitis B vaccine			WHO approved /as per national EPI program
	194	measles vaccine			
	195	tetanus toxoid			
	196	pentavalent vaccine			
	197	pneumococcal vaccine			
	198	meningococcal vaccine			
	199	anti-rabies vaccine (P/RV)	single dose vial	>2.5 iu	
AF Medicines for Mental & Behavioral Disorders	200	anti-snake venom serum			
	201	anti D immunoglobulin (human)	single dose vial	250 micrograms	
	202	diphtheria antitoxin	vial	10 000 IU; 20 000 IU	
	203	tetanus immunoglobulin (human)	injection	500 IU in vial	
	204	rabies immunoglobulin (human)	vial	150 IU/ml	
	205	chlorpromazine 	injection	25mg in 2ml	
		(hydrochloride)	tablets	100 mg	
	206	alprazolam	tablets	0.5 mg	
	207	diazepam	tablets	2, 5mg	
			injection	10mg	
AG Anti parkinsonism	208	biperiden	injection	5 mg (lactate) in 1-ml tablets	
	209	levodopa + carbidopa	tablets	2 mg (hydrochloride)	
	210	povidone-iodine	solution	10 %w/v	
AH Antiseptics!					

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	Disinfectants				
	Only chlorine based compound in stable dry granular form	211	halogenated sodium phosphate	powder	100gms
		212	chlorhexidine + cetrimide	solution	1.5%w/v + 1.5%w/v
		213	acriflavin	cream	0.1 %w/w
		214	tincture benzoin co	solution	7.5 %w/v
		215	chlorhexidine digluconate (7.%) for cord care	gel	Equivalent to 4 % Chlorhexidine
A1	Disposable Supplies	216	syringe (auto disable)	sterile packs	1 cc, 5cc
		217	disposable syringe	sterile packs	50 cc
		218	I.V sets	sterile packs	DRAP approved
		219	scalp vein set (sterile packs	DRAP approved
		220	volumetric chamber (I.V burette)	sterile packs	100 ml size
		221	I.V cannula (DRAP approved)	sterile packs	I6G, 20G, 24G
		222	adhesive tape (hypoallergenic)	roll	1, 2 inch
		223	sterile gauze dressing		7.5 x 7.5 cm (10 plly)
		224	cotton bandage	roll	6.5cm x 2m
		225	absorbent cotton wool	pack	500gm
		226	crepe bandage	roll	7.5, 10 cm x 2.7m
		227	examination gloves	pairs	Box of 100 (Small, Medium and Large Size) [1:2:1]
		228	sterile surgical gloves	pairs	6, 6½, 7, 7½, 8
		229	silk sutures sterile	12 / pack	0, 1/0, 2/0, 3/0, 4/0
		230	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		231	silk sutures sterile	12 / pack	8/0, 10/0

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		232	prolene / vicryl sterile sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		233	plaster of paris bandage	roll	10cm, 20cm x 6m
		234	face masks disposable		
		235	blood lancets	sterile packs	
		236	slides	sterile packs	
		237	endotracheal tube	sterile packs	Set of 12
		238	nasogastric tube	sterile packs	Adult / Paeds
		239	Foley's catheter	sterile packs	All Sizes
		240	urine bags	sterile packs	
		241	blood bags	sterile packs	
		242	disposable airways	sterile packs	All Sizes
		243	suction catheter	sterile packs	
		244	disposable cord clamps	sterile packs	
		245	spinal needle	sterile packs	
		246	surgical blades	sterile packs	<ul style="list-style-type: none"> ■ 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)
		247	clean delivery kits	sterile packs	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
				<ul style="list-style-type: none"> ■ 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 	<ul style="list-style-type: none"> ■ 1 instruction sheet
AJ	Radio contrast Media	248	amidotrizoate	injection	140 to 420 mg iodine /ml in 20 ml
		249	barium sulfate	aqueous suspension	
		250	iohexol	injection	140 mg to 350 mg iodine/ml in 5ml; 10-ml; 20-ml ampoules.
		251			
AK	Dental Materials				

EML FOR DHQs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ★ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A	Anaesthetics General	1	halothane / isoflurane	inhalation.	
		2	nitrous oxide	inhalation.	
		3	oxygen (medicinal gas) cylinder	inhalation.	
		4	ketamine (hydrochloride)	injection	50mg /ml in 10ml
		5	thiopental (sodium)	injection	10 mg/ml; 20 mg/ml
		6	atracurium (besylate) 	injection	10 mg/ml
		7	neostigmine (metilsulfate) (bromide)	injection tablets	2.5 mg in 1ml 15 mg
		8	suxamethonium (chloride)	ampoule	50 mg /ml in 2-ml
		9	bupivacaine (hydrochloride) 	vial ampoule	(5mg/ml) 0.5% in 4-ml (5mg/ml) 0.5% in 2-ml
		10	lidocaine (hydrochloride) 	vial/ ampoule topical forms	5% (hydrochloride) in 2-ml ampoule to be mixed with 7.5% glucose solution. 2%Gel, 4%Solution
C	Anaesthetics Local	11	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000
		12	lignocaine + epinephrine (adrenaline)	dental cartridge	2% + 1:80 000
		13	ephedrine (hydrochloride)	ampoule	30 mg in 1-ml
		14	morphine (sulphate or hydrochloride)	ampoule	10 mg /1-ml
D	Analgesics Opioid Preoperative medication	15	peridine (hydrochloride)	ampoule	50 mg/ml in 2ml
		16	midazolam	injection tablets	1 mg/ml 7.5 mg
		17	acetylsalicylic acid	dispersible tablets suppository	300 mg 50 mg to 150 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		18	diclofenac (sodium)	tablets	50 mg
		19	piroxicam	ampoule	75 mg in 3ml
		20	naproxen	injection	20mg / ml
		21	meloxicam	tablets	250, 500 mg
		22	ibuprofen ♦	tablets	7.5, 15 mg
				syrup	200, 400 mg
				tablets	200 mg/5ml
				tablets	500 mg
		23	paracetamol	syrup	125 mg /5ml
				suppository	100 mg
				tablets	100 mg
F	Medicines to treat gout	24	allopurinol	tablets	100 mg
G	Antiallergics and Medicines used in Anaphylaxis	25	chlorpheniramine (hydrogen maleate) ☐ ♦	tablets	4 mg
		26	cetirizine	syrup ☺	2 mg /5 ml
		27	loratadine	tablets	10 mg
		28	promethazine (HCL)	syrup	5 mg / 5ml
		29		tablets	10 mg
		30		syrup	25 mg/5ml
		31		injection	25 mg/ml in 2ml
		32		injection	4 mg / ml
H	Antidotes and Other	33	atropine (sulfate) ♦	tablets	0.5 mg
				ampoule	1 mg /ml
				tablets	5 mg
				ampoule	1 mg in 1ml

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
					62.5 mg clavulanic acid/5 ml
46	benzyl penicillin (potassium)		injection	1 Gm	
47	cloxacillin		injection © capsules powder for suspension ©	600 mg (= 1 million IU); 3 g (= 5 million IU) (sodium or potassium salt) in vial 250mg, 500 mg 125 mg & 250 mg /5ml	
Only listed for single-dose treatment of uncomplicated ano-genital gonorrhea.		48	cefixime* (trihydrate)	capsules	400 mg
Only for Epidemic Meningitis		49	ceftiaxone (sodium) + chloramphenicol (palmitate) (sodium succinate)	powder for injection capsules syrup injection	250 mg, 500mg, 1 gm 250 mg 125 mg / 5ml 1 gm
Recommended for use in combination regimens for eradication of H. Pylori in adults.		51	ciprofloxacin (hydrochloride) ☐	tablets	250mg, 500 mg
		52	clarithromycin*	suspension	125 mg / 5ml
		53	clindamycin (hydrochloride)	capsules injection	150 mg, 300mg 150mg / ml
		54	cotrimoxazole ☐ (sulfamethoxazole + trimethoprim)	tablets ©	400mg + 80 mg
		55	doxycycline (hydiate) +	syrup © capsules ©	200mg + 40mg/5 ml 100 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
for MDR-TB		56	flucloxacillin [floxacillin sodium]	syrup ©	25mg / 5ml
				injection	250 mg, 500 mg
		57	gentamicin (sulfate) 	capsules	250 mg, 500 mg
		58	kanamycin (sulfate)	injection	40 mg, 80 mg
		59	levofloxacin	injection	500mg, 1 gm
			metronidazole 	tablets	250 mg, 500 mg
		60	(benzoate)	tablets	200 mg, 400 mg
				injection	500 mg in 100-ml
		61	nitrofurantoin	syrup	200 mg / 5ml
		62	procaine benzyl penicillin	tablets	100 mg
K	Antihelminthic	63	phenoxyethyl penicillin (potassium)	injection	1, 3 ml IU
		64	vancomycin (HCL)	tablets	250 mg, 500 mg
		65	albendazole	syrup	125 mg / 5ml
		66	mebendazole (chewable)	tablets	500 mg / 5ml
		67	pyrantel (pamoate)	tablets	500 mg (with caution only for adults)
				syrup	250 mg / 5ml
		68	clotrimazole	vaginal cream	1% w/v
		69	fluconazole 	vaginal tablet	100, 500 mg
				capsules	50 mg
		70	nystatin	injection	2 mg/ml
				syrup	50 mg/5 ml
				tablets	500,000 IU
				drops ©	100,000 IU/ml

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
M	Anti-Tuberculosis Medicines As per TB Control Program guidelines	71	ethambutol	vaginal tablet	100 000 IU
		72	isoniazid	tablets	400 mg
		73	pyrazinamide	oral liquid ☺ tablets/ syrup ☺	25 mg/ml 50mg, 100mg, 300 mg
		74	rifampicin	tablets	500 mg
		75	streptomycin	capsules / syrup ☺	150mg, 300mg, 450mg
		76	ethambutol + isoniazid	injection	1 gm
		77	isoniazid + rifampicin	tablets	400mg + 150 mg
		78	isoniazid + pyrazinamide + rifampicin	tablets	75mg + 150mg; 150mg+ 300mg
		79	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	75mg + 400mg + 150 mg.
		80	ethambutol + isoniazid + rifampicin	tablets	150mg+75mg+ 400mg+275 mg
		81	acyclovir ☺	tablets	200 mg
N	Antiherpes Medicines	82	amphotericin B	injection	50 mg in vial
O	Antileishmaniasis Medicines	83	sodium stibogluconate	injection	100 mg/ml in 30ml vial
P	Anti-Diabetics	84	glibenclamide	tablets	5 mg
		85	metformin (hydrochloride)	tablets	500 mg
		86	insulin regular	injection	100 IU / ml
		87	insulin comp	injection	30 + 70 % w/v
		88	chloroquine (phosphate or sulfate)	tablets	150 mg
Q	Antimalarials For Vivax For Falciparum	89	primaquine (diphosphate)	tablets	15 mg
		90	sulfadoxine + pyrimethamine	tablets	500mg + 25 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	To Be Used In Combination (Co blister)		artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+2) tablet - two large tablets each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P and six small tablets, each contains artesunate 50mg U.S.P.
91			artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+3) tablets- three large tablets, each has sulfadoxine 500mg U.S.P.+ pyrimethamine 25mg U.S.P.- six small tablets, each contains artesunate 100mg U.S.P.
	Management of severe Malaria	92	artemether*	ampoule	80 mg/ml in 1 ml
		93	artemether + lumefantrine	tablets ©	20 mg + 120 mg
R	GIT Medicines	94	hyoscine (butylbromide)	injection	20 mg/ml
		95	phloroglucinol	tablets	10 mg
		96	metoclopramide (hydrochloride) ♦	tablets	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		97	ranitidine	syrup	10 mg
		98	aluminium hydroxide + magnesium trisilicate	injection	5 mg / 5ml
				tablets	25 mg / ml in 2ml
					250mg +500mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea	99	ORS (low osmolarity)	sachet	dry mixture (low osmolarity formula) in sachet for 1 liter of solution ,each sachet contains glucose anhydrous 3.5gm B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloridel 1.5gm B.P., sodium chloride 2.6gm B.P.
		100	bisacodyl	tablets	5 mg
		101	glycerin	suppository	
		102	sodium phosphate	enema	7.2g /120ml
		103	magnesium oxides and hydroxides	suspension	7.9 %w/v
		104	interferon alpha 2b	injection	3 MIU
		105	ribavirine	tablets	200mg, 400mg, 600 mg
		106	lamivudine	tablets	150 mg
S	Antivirals for Hepatitis				
	T				
	Cardiovascular Medicines				
		107	acetylsalicylic acid	tablets (enteric coated)	75 mg
		108	bisoprolol	tablets	1.25 mg; 5 mg
		109	digoxin	tablets	62.5, 250mcg
		110	dopamine (hydrochloride)	injection	250mcg /ml in 2ml
		111	dobutamine (hydrochloride)	injection	40 mg/ml in 5ml vial
		112	enalapril (maleate)	tablets	50mg/ml in 5ml
		113	glyceryl trinitrate	sublingual	2.5mg, 5 mg
		114	hydralazine (hydrochloride)	injection	500 mcg
	For severe PH only				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
For severe PH only		115	isosorbide dinitrate	tablets sublingual tablets infusion tablets	25mg, 50 mg 5 mg 5mg, 10mg, 50 mg 10 mg/10ml 250mg, 500 mg
		116	methyl/dopa	injection	250 mg
		117	propanolol	tablets	10mg, 40mg, 80 mg
		118	streptokinase	powder for injection	1.5 million IU
		119	simvastatin	tablets	5mg, 10mg, 20mg, 40 mg
		120	verapamil (hydrochloride)	tablets	40 mg; 80 mg
	Diuretics	121	furosemide	tablets	20mg, 40 mg
		122	hydrochlorothiazide	tablets	10 mg 12.5mg, 25 mg
		123	spironolactone	tablets	25 mg
		124	heparin (sodium)	injection	1000, 5000, 20000 IU/ml
		125	tranexamic acid	injection	100 mg/ml in 10-ml
		126	clopidogrel	capsules	250mg, 500mg
		127	warfarin (sodium)	tablets	75mg, 150mg, 300 mg
V	Medicines affecting coagulation	128	ergometrine (hydrogen maleate)	injection	1mg, 2mg, 5 mg
		129	misoprostol	tablets	200 mcg in 1 ml
		130	oxytocin	tablets	200 mcg
		131	aminophylline	injection	10 IU in 1-ml
W	Oxytocic Medicines	132	beclomethasone (dipropionate)	tablets inhaler	25mg/ml in 10ml 100 mg 50 mcg/actu
X	Respiratory Medicines				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		133	salbutamol (sulfate)	tablets inhaler	2, 4 mg 100 micrograms
		134	montelukast	solution for nebulizer	50 micrograms in 5ml 5 mg /ml
		135	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		136	dextromethorphan + diphenhydramine	antitussive syrup	12.5mg/5ml + 12.5mg/5ml
		137	dexamethosone	eye drops	0.1 %w/v
		138	gentamicin (sulfate)	eye drops	0.30%
		139	tropicamide	eye drops	1 %w/v
		140	pilocarpine (hydrochloride or nitrate)	eye drops	2%; 4%
		141	ciprofloxacin	eye drops	0.3 %w/v
		142	sulphacetamide	eye drops	10, 20 %w/v
	Ophthalmic	143	miconazole (nitrate)	eye ointment	2%
		144	polymyxin B (sulphate) + bacitracin zinc	eye ointment	10000IU/g + 500IU/g
		145	tetracycline (hydrochloride)	eye ointment	1%
		146	tetracaine (hydrochloride)	eye drops	0.50%
		147	timadol (hydrogen maleate)	drops	0.50%
		148	borglycerine	ear drops (only for wax removing)	0.25%, 0.5% 40%
		149	ciprofloxacin	ear drops	0.30%
	ENT				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		150	polymyxin B sulphate+lignocaine	ear drops	each ml is contains polymyxin B (sulphate):10000 IU/ml,Lignocaine:50mg/ml; 5ml plastic bottle .
		151	ephedrine	nasal drops	0.5%
		152	lignocaine	topical solution	4%
		153	saline nasal drops	nasal drops	0.9%
		154	xylometazoline 	nasal spray	0.05%
AA I/V Infusions Plasma Substitutes		155	plasma expander	infusion	dextran 6 %w/v, glucose 5 %w/v
		156	glucose / dextrose	infusion	5, 10, %
		157	normal saline	ampoule	25%
		158	dextrose + saline	infusion	0.9%
					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.),1000ml collapsible plastic bottle
		159	ringer's lactate 	infusion	
		160	potassium chloride	solution	11.2% in 20-ml ampoule
		161	sodium bicarbonate	injection	1.4% isotonic
AB Vitamins & Minerals		162	mannitol	infusion	20 %w/v
		163	water for injection	ampoule	5 ml, 10 ml
		164	ascorbic acid	tablets	50, 100, 500 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		165	calcium gluconate	injection	100 mg/ml in 10-ml
		166	calcium lactate	tablets	500mg, 1gm
		167	ergocaliferol (vitamin D) 	tablets	1.25 mg (50 000 IU) equivalent to 60 mg iron equivalent to 25 mg/ml iron
		168	ferrous salt (fumarate)	syrup	
		169	folic acid	tablets	0.5, 1mg & 5mg
	Nutritional supplement for use during pregnancy	170	ferrous salt + folic acid	tablets	tablet, equivalent to 60 mg iron + 400 mcg folic acid
		171	vitamin K	injection	10 mg
		172	hydroxocobalamin	ampoule	1 mg in 1ml
		173	multiple micronutrients	sachet	UNICEF approved
		174	retinol (vitamin A)	tablets/ capsules	50 000 IU; 100 000 IU; 200 000 IU (as palmitate)
		175	zinc sulphate	dispersible tablets	20 mg
		176	B complex (B1, B6 and B12)	tablets	DRAP approved
		177	multivitamins	tablets	
		178	 benzyl benzoate 	lotion	5% & 25%
		179	 betamethasone 	cream / ointment	0.1%
AC	Dermatologicals	180	 calamine	lotion	15%
		181	coal tar	lotion	5%
		182	 hydrocortisone	cream	1%
		183	permethrin	cream / lotion	5 % / 1 %
		184	salicylic acid	solution	5%
		185	selenium sulfide	detergent-based suspension	2%
		186	micronazole (nitrate)	cream / ointment	2%

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		187	polymyxin B (sulphate) + bacitracin zinc	ointment	10000IU/g + 500IU/g
		188	silver sulphadiazine	cream	1%
		189	sodium thiosulphate	solution	15%
		190	amitriptyline (hydrochloride)	tablets	25 mg
AD Medicines for Mental & Behavioral Disorders Tranquilizers		191	carbamazepine	tablets	100 mg; 200 mg
		192	chlorpromazine (hydrochloride)	injection tablets	25mg in 2ml 100 mg
		193	clomipramine (hydrochloride)	tablets	10 mg; 25 mg
		194	olanzapine	tablets	5mg, 7.5 mg
		195	fluoxetine (hydrochloride)	tablets	20 mg
		196	fluphenazine (decanoate or enanthate)	tablets	25 mg
		197	diazepam	tablets	2, 5mg
		198	alprazolam	injection tablets	10mg 0.5 mg
		199	bromazepam	tablets	3 mg%
	AE Contraceptives	200	condoms		
		201	ethynodiol + norethisterone	CO pills	35mcg + 1mg
		202	levonorgestrel	PO pills	30 mcg
		203	levonorgestrel	EC pills	750 mcg (pack of 2)
		204	copper T / multiload	IUCD	
		205	medroxyprogesterone acetate (DMPA)	injection	150 mg/ 1ml
		206	norethisterone enanthate	injection	200 mg/ml in 1ml
		207	estradiol cypionate + medroxyprogesterone acetate	injection	5 mg + 25 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		208	levonorgestrel-releasing implant	sub dermal implant	2 rod 75mg each (Use life: 5 years)
		209	etonogestrel- releasing implant	sub dermal implant	1 rod 68mg each (Use life: 3 years)
AF	Vaccines & Seras	210	BCG vaccine		
		211	polio vaccine (OPV trivalent)/ IPV	oral/ injection	
		212	hepatitis B vaccine		WHO approved/as per national EPI program
		213	measles vaccine		
		214	tetanus toxoid		
		215	pentavalent vaccine		
		216	pneumococcal vaccine		
		217	meningococcal vaccine		
		218	anti-rabies vaccine (PVRV)	single dose vial	>2.5 iu
		219	anti-snake venom serum		
		220	anti D immunoglobulin (human)	single dose vial	250 micrograms
		221	diphtheria antitoxin	vial	10 000 IU; 20 000 IU
		222	tetanus immunoglobulin (human)	injection	500 IU in vial
		223	rabies immunoglobulin (human)	vial	150 IU/ml
AG	Peritoneal Dialysis	224	Intra-peritoneal dialysis solution	parenteral solution	of appropriate composition
AH	Immuno-suppressives	225	azathioprine (as sodium salt)	tablets	50 mg
		226	cyclosporine	injection	100 mg in vial
				capsule	25 mg
AI	Anti-parkinsonism	227	biperiden	injection	5 mg (lactate) in 1-ml tablets
		228	levodopa + carbidopa	tablets	2 mg (hydrochloride) 100 + 10 mg; 250 + 25 mg

Sr. #	Therapeutic Class Antiseptics/ Disinfectants	Sr. #	Generic Drug Name	Form	Strength
Aj Only chlorine based compound in stable dry granular form	229	povidone-iodine	solution	10 %w/v	
	230	halogenated sodium phosphate	powder	100gms	
	231	chlorhexidine + cetrimide	solution	1.5%w/v + 1.5%w/v	
	232	acriflavine	cream	0.1 %w/w	
	233	tincture benzoin co	solution	7.5 %w/v	
	234	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4 % chlorhexidine	
	235	syringe (auto disable)	sterile packs	1cc, 5cc	
	236	disposable syringe	sterile packs	50 cc	
	237	I.V sets	sterile packs	DRAP approved	
	238	scalp vein set	sterile packs	DRAP approved	
AK Antiseptics for Cord Care Disposable Supplies	239	volumetric chamber (I.V burette)	sterile packs	100 ml size	
	240	I.V cannula (DRAP approved)	sterile packs	16G, 20G, 24G	
	241	adhesive tape (hypallergenic)	roll	1, 2, inch	
	242	sterile gauze dressing		7.5 x 7.5 cm (10 ply)	
	243	cotton bandage	roll	6.5cm x 2m	
	244	absorbent cotton wool	pack	500gm	
	245	crepe bandage	roll	7.5, 10 cm x 2.7m	
	246	examination gloves	pairs	Box of 100 (Small, Medium and Large Size) [1:2:]	
	247	sterile surgical gloves	pairs	6, 6½, 7, 7½, 8	
	248	silk sutures sterile	12 / pack	0, 1/0, 2/0, 3/0, 4/0	
	249	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0	
	250	silk sutures sterile	12 / pack	8/0, 10/0	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		251	prolene / vicryl sterile sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		252	plaster of paris bandage	roll	10cm, 20cm x 6m
		253	face masks disposable		
		254	blood lancets	sterile packs	
		255	slides	sterile packs	
		256	endotracheal tube	sterile packs	Set of 12
		257	nasogastric tube	sterile packs	Adult / Paeds
		258	Foley's catheter	sterile packs	All Sizes
		259	urine bags	sterile packs	
		260	blood bags	sterile packs	
		261	disposable airways	sterile packs	All Sizes
		262	suction catheter	sterile packs	
		263	disposable cord clamps	sterile packs	
		264	spinal needle	sterile packs	
		265	surgical blades	sterile packs	
					<ul style="list-style-type: none"> ■ 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)
		266	clean delivery kits	sterile packs	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
AL	Radio contrast Media				<ul style="list-style-type: none"> ■ 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
		267	amidotrizoate	injection	140 to 420 mg iodine /ml in 20 ml
		268	barium sulfate	aqueous suspension	
		269	iohexol	injection	140 mg to 350 mg iodine/ml in 5-ml; 10-ml; 20-ml ampoules.
AM	Dental Materials	270			

NOTES

NOTES



USAID | DELIVER PROJECT

FROM THE AMERICAN PEOPLE



USAID | DELIVER PROJECT/Islamabad

House No 253 C
Street 23
Sector E 7
Islamabad, Pakistan
Phone: 92.051.2655425
Fax: 92.051.2655427
Email: askdeliver@jsi.com
Internet: deliver.jsi.com

