

Availability of Essential Drugs – Assessment Report Status on 5th October 2023

Objectives: This assessment is meant to answer the following questions:

- a) What proportion of important drugs are available in CGMSC godowns and whether their stock is adequate to cover the buffer quantity
- b) Which drugs are in stock out and what is the status of their rate contract.
- c) Status of purchase order of stock out drugs whether some stock of those drugs is in pipe line.
- d) If certain important drugs are in shortage, what should be the next steps at CGMSC and facility level to improve availability

Methodology: In order to assess the availability of much needed essential drugs, this analysis focuses on a list of 124 high priority items. These fast-moving drugs are frequently prescribed by physicians and cover a large share of primary health care needs of the population. This list has been officially designated as ‘fast moving’ drugs by Directorate of Health Services. Of 124 fast moving drugs, 100 are for primary care use and the remaining 24 can be used at CHC and above. For this analysis, data on stocks in CGMSC godowns, purchase orders and rate contracts has been taken from CGMSC website on 5th October 2023 and compared with 3months buffer quantities defined by Directorate of Health Services. Current stock quantity in godowns includes the quantity under Quality Control (QC).

Table 1: Status at fast moving drugs at CGMSC Level:

Sl No.	Indicator	Number	Number of drugs of which PO issued but are in pipe line	Number of drugs with no rate contract	Drugs with RC but no PO
1	Number of fast moving drugs with zero stock	13 (10.5%)	6	8	3
2	Number of fast moving drugs with less than 1 month stock	16 (12.9%)	5	6	3
3	Number of fast moving drugs with 1 to 2 months of stock	5 (4.0%)	2	2	0
4	Number of fast moving drugs with more than 2 months of stock	90 (72.6%)	35	35	21

Table 1 show that out of 124 high priority drugs 29 are in severe shortage and of those 13 are completely stocked-out (Annexure 1).

Table.2. EDL category wise stock out details and rate contract status of fast moving drugs

S No.	Indicator	Number of drugs	Number of completely stocked-out drugs	Number of drugs with no rate contract
1	Universal (U) category drugs	34	4	16
2	Primary (P) category drugs	66	4	24
3	Secondary (S) category drugs	23	5	10
4	Tertiary (T) category drugs	1	0	1
	Total	124	13	51

Table.2 shows that out of 124 drugs 100 drugs (U+P) is primary care drugs of those 8 were completely stocked out and 40 had no valid rate contract.

ANNEXTURE 1: Number of fast moving drugs with zero stock

Sr No	Item Code	Item Name	Formulation of Drugs	Ready For Issue	QC Pending	RC status	Pipe line-PO issued
1	D159	Dextrose 10% isotonic Inj. IP	10% w/v	0	0	RC Valid	0
2	D223	Ferrous sulphate and folic acid Syrup IP	equivalent to 20 mg Iron 0.1mg Folic acid per 1ml in bottle	0	0	No Valid Rc	214625
3	D221 SU	Ferrous Sulphate and Folic Acid Tab.(Large Red)	-Each sugar coated Tab.containing Dried Ferrous Sulphate IP equivalent to 100 mg Elemental Iron and Folic Acid IP - 0.5 mg	0	0	No Valid Rc	0
4	D714	Permethrin 5% Cream	5% w/w	0	0	RC Valid	0
5	GTS01	Glucometer Strip		0	0	No Valid Rc	0
6	CN35	Multistix 10 Sg For Urine	pack of 100 strips	0	0	No Valid Rc	0

7	D105	Ceftriaxone Powder for injection 1gm IP.	1 gm/Vial	0	0	No Valid Rc	600000
8	D29	Amoxicillin anhydrous	Tablet or Capsule 500 mg	0	0	No Valid Rc	24177
9	D33	Amoxicillin + Clavulanic acid	Injection 250mg +50mg (300mg)	0	0	RC Valid	33090
10	D31	Amoxicillin + Clavulanic acid	Suspension 125mg + 31.25mg (156mg)/5ml	0	0	RC Valid	0
11	D35	Amoxicillin + Clavulanic acid	Injection 1gm + 200mg (1.2 gm)	0	0	RC Valid	13400
12	D32	Amoxicillin + Clavulanic acid	Suspension 250mg + 62.5mg (312mg)/5ml	0	0	No Valid Rc	80240
13	D28	Amoxicillin anhydrous	Tablet or Capsule 250 mg	0	0	No Valid Rc	445

Annexure 1 is about 13 of fast moving drugs with zero stock at CGMSC godowns. Also 8 of these drugs have no valid rate contract.

ANNEXTURE 2: Number of fast moving drugs with less than 1 month stock

SrNo	Item Code	Item Name	Formulation of Drugs	Ready For Issue	Ready For Issue	QC Pending	RC	Pipeline-PO issued
1	D696	Multivitamin + Multimineral Syrup		Nos	120	0	RC Valid	406700
2	D219	Ferrous Sulphate	Tablet	TABLET	46300	0	No Valid Rc	0
3	D271	Ibuprofen	Tablet	3ml Amp	119800	0	RC Valid	55271
4	D226	Flucanazole Tab IP	200 mg	1 rolls	53500	0	RC Valid	300

5	D744	Telmisartan Tablet 40mg	40mg	Vial	139900	0	No Valid Rc	22012
6	D479/D478	Sodium Chloride Inj. IP (Normal Saline)	0.9% Isotonic (equivalent to Na+ 150 mmol/l, Cl- 150 mmol/l)	BOTTLE	1160	0	RC Valid	0
7	D113	Chloroquine Phosphate Tab. IP	250 mg (155 mg of Chloroquine)	4 x 100 T	18931600	4802400	RC Valid	20560000
8	D161	Dextrose with sodium chloride (DNS) Inj. IP	5% w/v dextrose and 0.9% w/v Sodium chloride	2X50 T/Kit	5605		RC Valid	0
9	D433	Primaquine diphosphate 2.5 Tablet IP	2.5 mg	1	1344	4598	RC Valid	0
10	D170	Diclofenac Sodium Inj. IP	25mg/ml	PACK SIZE 4x200T	95467	0	No Valid Rc	18000
11	D731A	Amlodipine	5mg	10 x 10	1309800	0	RC Valid	1183200
12	D421	Povidone Iodine Solution IP 10%	10% W/V	10 X 10	3300	0	No Valid Rc	10146000
13	D3	Acetyl salicylic acid (Aspirin) - 150 Tab. IP	150 mg Enteric Coated	1	66100	0	No Valid Rc	706400
14	D465	Salbutamol Nebulizer Solution B.P.	5mg/ml	SYRUP	7097	0	RC Valid	165409
15	D125	Ciprofloxacin Eye Drops IP	0.3% w/v	1	49830	39200	RC Valid	191900
16	D395A	Paracetamol Inj.	150mg.	30 ml bottle	58749	0	No Valid Rc	0

Annexure 2 is about 16 drugs which have at least 1 month of stock available in CGMSC godown, of those Purchase order has been issued for 5 drugs but are in pipeline and only 5 drug with no valid rate contract.

ANNEXTURE 3: Number of fast moving drugs with 1 to 2 months of stock

SrNo	Item Code	Item Name	Formulation of Drugs	Ready For Issue	QC Pending	RC status	Pipeline-PO issued
1	D743	Telmisartan	Tablet	170700	0	RC Valid	9490
2	D337	Methyldopa 250mg Tablet IP	250 mg film coated	24900	121200	RC Valid	234
3	D432 A	Primaquine Diphosphate 15 mg Tablet IP	15 mg	0	305700	No Valid Rc	0
4	D272	Ibuprofen 400 Film coated Tablet IP	400 mg	117650 0	729900	RC Valid	423500 0
5	D396	Paracetamol Syrup. IP	125mg/5ml	627818	0	No Valid Rc	151100

ANNEXTURE 4: Number of fast moving drugs with more than 2 months of stock

Sr No	Item Code	Item Name	Formulation of Drugs	Ready For Issue	QC Pending	RC status	Pipeline-PO issued
1	D432	Primaquine diphosphate 7.5 Tablet IP	7.5 mg	12310 0	175000	RC Valid	1990
2	D706	Ondansetron Tablet	4mg	0	619800	RC Valid	556
3	D448	Quinine sulphate 300mg Tablet IP	300 mg	92700	0	No Valid Rc	0
4	D345	Metronidazole Tab. IP	400 mg Film Coated	87200 0	470010 0	RC Valid	41919
5	D268	Hydroxyurea Capsule	500mg	11543 00	0	No Valid Rc	402
6	D427	Prednisolone Tab. IP	10 mg	28270 0	0	No Valid Rc	2200
7	D382	Omeprazole Cap. IP	20mg	20136 00	107862 00	No Valid Rc	30979
8	D225	Flucanazole Tab IP	150mg	9800	788300	RC Valid	65
9	D395	Paracetamol Tab. IP	500 mg	72406 800	178710 00	RC Valid	48507
10	D63	Multivitamin Capsule	(B1 10 mg B2 10mg B6 3 mg Niacinamide-100mg Pantothenite 50mg Folic	85354 00	0	No Valid Rc	0

11	D354	Misoprostol 200 Tablet IP	200mcg	72010 0	0	No Valid Rc	0
12	D100	Cefixime Tablet IP 200	200mg	13553 00	101280 0	RC Valid	8495
13	D260 A	Hydrochlorothiazide	12.5mg	25950 00	157900	No Valid Rc	0
14	D462	Salbutamol Sulphate Tab. IP	4mg	18989 00	0	RC Valid	688
15	D333	Metformin Tab. IP	500 mg	51347 00	182501 00	RC Valid	57918
16	D299	Labetalol 100mg Tablet	100mg	29490 0	0	RC Valid	0
17	D259	Hydrochlorothiazide Tab., I.P.	25mg	35770 0	104380 0	No Valid Rc	648
18	D37	Amoxicillin + Clavulanic acid	Tablet 500mg + 125mg (625mg)	10475 40	0	RC Valid	0
19	D526 A	Methylcobalamine 1500mcg Tablet	1500mcg	15320 0	999300	No Valid Rc	0
20	D233 A	Folic Acid 400mcg Tablet IP	400mcg	43329 00	0	RC Valid	0
21	D555	ACT (Artesunate Combination Theraphy) Pink Infant i.e. less then 1 year	Artesunate75mg divided over three daysSulphadoxine Pyremethamine250mg 12.5mg	170	48600	RC Valid	180
22	D554	ACT (Artesunate Combination Theraphy) Green Age 5-8 years	Artesunate -300mg Divided over Three Days,	1680	116180	No Valid Rc	922
23	D157	Dexamethasone Sodium Phosphate Inj. IP-4mg/ml	4mg/ml	19084 0	0	RC Valid	36950 0
24	D558	ACT (Artesunate Combination Theraphy) Yellow Age 2-4 years	Artesunate-150mg divided over three days	26270	60700	No Valid Rc	0
25	D534	Water for Injection IP FFS	10 ml	17102 5	0	No Valid Rc	0
26	D499	Tetanus Toxoid (adsorbed) Inj., IP		69035	0	RC Valid	0
27	D171	Diclofenac Gel	Diclofenac sodium 1% W/W in a gel	27940 6	372802	RC Valid	56729 7
28	D244	Gentamicin Sulphate Eye/Ear drop Solution	5ml. vial (0.3% W/V)	12785	51935	RC Valid	34577 5
29	D454 M	RD Kit for Malaria (has 10 tests each)	Kit, quantity given here in no. of tests	57413 3	0	RC Valid	19200
30	D422	Povidone Iodine Solution IP	5% W/V	42443	0	RC Valid	0
31	D235	Framycetin Sulphate 1% Cream	1% W/W	50946	0	RC Valid	0

32	D34	Amoxicillin + Clavulanic acid	Injection 500mg + 100mg (600mg)	62667	0	No Valid Rc	0
33	D239	Furosemide Tablet IP	40 mg	25280 0	0	RC Valid	0
34	D450	Quinine dihydrochloride Inj IP	300 mg/ml.	21422	0	No Valid Rc	14860
35	D418	Polyvalent Anti Snake Venum (Snake Anti Serum) IP (Freeze Dried)		39809	0	RC Valid	1965
36	D201	Methyl ergometrine 200 mcg Inj. IP/Ergometrine Hydrogen Maleate	0.2 mg/ml	17740	0	RC Valid	0
37	D114	Chloroquine Syrup I.P.	Each 5 ml contains Chloroquine Phosphate I.P. - 50mg	12050 7	0	No Valid Rc	1431
38	D587	Clindamycin+clotrimazole Tablet	100mg 100mg	12481 2	0	RC Valid	16752 0
39	D123	Ciproflaxacin Tab. IP 500	500 mg film coated	95800	684000	RC Valid	6600
40	D481	Compound Sodium Lactate Inj. IP (IV Use) (Ringer lactate Solution)	Each 100ml contains: Sodium Lactate 0.32gm, Potassium Chloride 0.4gm, Sodium Chloride 0.6gm, calcium chloride 0.027gm.	19360 1	431782	No Valid Rc	24688
41	D387	ORS Powder IP	as per IP with flavour	30593 86	792134 5	RC Valid	39088 60
42	D474	Silver Sulphadiazine 1% Cream IP	1% w/w	11073 4	57994	RC Valid	1170
43	D463	Salbutamol Sulphate Oral Syrup IP	2 mg/5 ml	13702 9	0	RC Valid	1500
44	D132	Clotrimazole Cream IP	2% w/w	42605 6	0	RC Valid	0
45	D164 a	Diazepam	Injection 5 mg/ml	48402	0	RC Valid	21300
46	D192	Doxycycline Cap. IP	100 mg	77520 0	0	RC Valid	130
47	D449	Quinine sulphate 150mg/5ml Oral Solution	150mg/5ml	13986	0	No Valid Rc	11830
48	D173	Dicyclomine HCL Inj USP.	10mg/ml	34475 4	0	RC Valid	42312 1
49	D385	Ondansetron Oral Solution IP	2mg/5ml	21703	215816	No Valid Rc	0
50	D188	Domperidone 10mg Tablet IP	10 mg	93250 0	0	No Valid Rc	0
51	D198	Enalapril Maleate (Scored) 5 Tab. IP	5 mg	45059 00	0	RC Valid	35616 0

52	D172	Dicyclomine HCL Tab. IP 10mg	10 mg	76072 00	9400	RC Valid	10936 5
53	D158	Dextrose 5% Inj. IP	5% (IV Use)	45757 2	0	No Valid Rc	66
54	D168	Diclofenac Sodium Tab. IP	50 mg enteric coated	55555 00	129680 00	No Valid Rc	46327
55	D106	Cetirizine 10 mg Tablet IP	10 mg	45850 00	103617 00	RC Valid	2400
56	D529	Vitamin K1 Injection	1mg/ml	34021 1	339390	RC Valid	0
57	D261	Hydrocortisone Sodium Succinate 100mg Inj. IP	100 mg base / Vial (IM / IV Use)	23820 1	102650	No Valid Rc	65230
58	D36	Amoxicillin + Clavulanic acid	Tablet 250mg + 125mg (375mg)	46700	888100	RC Valid	73900
59	D199	Epinephrine Hydrochloride (Adrenaline)	Injection: 1mg/ml	11606 1	0	RC Valid	26607 3
60	D285	Iron Sucrose 100mg Inj.	100 mg	10910 0	176600	No Valid Rc	96830
61	D321	Magnesium Sulphate Injection	500mg/ml	24073 8	0	RC Valid	5136
62	D284	Iron Sucrose	Injection	16434 6	0	RC Valid	990
63	D541	Zinc Sulphate Dispersible Tablets IP	Each Dispersible tablet contains Zinc Sulphate monohydrate equivalent to 20 mg of elemental zinc.	17852 00	253456 00	RC Valid	85600 0
64	D30	Amoxicillin anhydrous	Powder for Oral Suspension 125 mg/5 ml	21125 0	72400	No Valid Rc	2030
65	D346	Metronidazole Inj IP	500mg/100ml (Sterile Isotonic Solution)	54534 7	85364	RC Valid	0
66	D525	Vitamin A Paediatric 100000 IU/ml Oral Solution IP (as Palmitate)	100 000 IU/ml	12464 8	19376	RC Valid	0
67	D384	Ondansetron Inj.	2mg/ml	42841 2	280520	RC Valid	1030
68	D466	Salbutamol Sulphate MDI Inhaler (200 dose)	100mcg/dose in 200 doses	43257	103278	No Valid Rc	0
69	D715	Permethrin 1% Lotion	1% w/v	66115 2	149336	No Valid Rc	0
70	D393 R	Oxytocin Injection IP	10 IU/ml	10769 23	0	RC Valid	0
71	D347	Metronidazole Benzoate Oral Suspension IP	200 mg/ 5 ml	25285 4	655404	RC Valid	0

72	D545	Glimepiride 1mg Tab.	1mg	14071 100	723410 0	RC Valid	11540 0
73	D264	Hydrogen Peroxide Solution IP 6%	0.06	15939 7	0	RC Valid	0
74	D310	Lidocaine Hydrochloride	2% w/v	17470	48788	RC Valid	0
75	SCTK 01	Solubility test kits (has 50 test per kit)	Kit	8891	155093	No Valid Rc	0
76	D557	ACT (Artesunate Combination Therapy) White Age 15 years and Above.	ACT (Artesunate Combination Therapy) White colour Age 15 years and Above	74120 0	310480 0	No Valid Rc	52456 00
77	D220	Ferrous Sulphate	Oral Solution	51609 00	0	RC Valid	0
78	D233	Folic Acid Tab. IP	5 mg	15380 000	40600	RC Valid	12011 300
79	D556	ACT (Artesunate Combination Therapy) red color Age 9-14 years	Each Combi Blister pack Containing 3 Tabs of Artesunate	39556 00	200800 0	No Valid Rc	38000 0
80	D243	Gentamycin Inj. IP	80 mg/2 ml (IM / IV Use)	20258 00	351810 00	No Valid Rc	0
81	D527	Vitamin D3 Granules	60000IU in 1gm	37355 700	0	No Valid Rc	52000 0
82	D273	Ibuprofen oral Suspension	100mg/5ml	11803 200	403960 0	No Valid Rc	11750 0
83	D309	Lidocaine Hydrochloride	Injection for Spinal Anaesthesia: 5% to be mixed with 7.5% glucose solution	88800 0	0	RC Valid	0
84	D285	Iron Sucrose	Injection	10910 000	176600 00	No Valid Rc	96830 00
85	D733	Sodium Chloride	Nasal Drop	56477 00	597940 0	RC Valid	2400
86	D400	Pentoprozole Inj.	40mg	40708 500	559390 00	RC Valid	0
87	D526	vitamin B12 cyanocobalamine	500 mcg/ml	30547 140	145803 00	RC Valid	0
88	D104	Ceftriaxone Powder for injection 250mg IP.	250 mg	84200 00	390200 00	No Valid Rc	16055 00
89	D423	Povidone Iodine Ointment USP. XXII	5% W/W	87557 760	618189 120	RC Valid	37200 00
90	D241	Frusemide Inj. IP	10 mg/ml (IM And IV Use)	24784 100	681970 00	RC Valid	25000

Annexure 4 is about list of 90 Drugs which have stock more than 3 months in CGMSC godowns and out of those purchase order issued for 35 drugs but are in pipe line.

Suggestions:

1. Rate contract of 16 drugs which are in severe shortage should be done immediately.
2. Drugs having valid RC and for those purchase order should be issued immediately.
3. CGMSC must ensure buffer stocks of all essential drugs and consumables at CGMSC go-downs and at health facility level.
4. Rate contracts of all the drugs should live all the time and Software alerts for buffer stocks should be generated.
5. Availability of drugs should part of monthly CMHO/CS review meetings.
6. EML for DME should be also developed and buffer stocks should be maintained
7. Orientation of doctors rational drug use should be done