

प्रेषक,

अमित मोहन प्रसाद,

प्रमुख सचिव,

उ0प्र0 शासन।

सेवा में,

महानिदेशक,

चिकित्सा एवं स्वास्थ्य सेवायें,

उत्तर प्रदेश।

चिकित्सा अनुभाग-5

लखनऊ: दिनांक: अप्रैल, 2020

विषय: भारत सरकार द्वारा आवश्यक दवाओं की उपलब्धता हेतु दिये गये निर्देश के संबंध में।

महोदय,

उपर्युक्त विषय के संबंध में सचिव, स्वास्थ्य द्वारा परिवार कल्याण विभाग, भारत सरकार, नई दिल्ली के पत्र संख्या-18-3/2020-डी0सी0/कोविड-19, दिनांक 16.04.2020 (प्रति संलग्न) का कृपया सन्दर्भ ग्रहण करने का कष्ट करें, जिसके द्वारा राष्ट्रीय आवश्यक औषधि सूची (NELM) के अनुसार आगामी दो माह के लिए गम्भीर रोगियों हेतु आवश्यक दवाओं की उपलब्धता सुनिश्चित किये जाने की अपेक्षा की गयी है।

2- भारत सरकार के उक्त सन्दर्भित पत्र में उल्लेख किया गया है कि कोविड-19 से संक्रमित गम्भीर रोगियों को आई0सी0यू0 में उपचार, Asymptomatic स्वास्थ्य कर्मियों, कोविड-19 पाजीटिव पाये गये रोगियों के सम्पर्क में आये अन्य व्यक्तियों के लिए Hydroxychloroquin (200mg) एवं Azithromycin (500mg) की प्रचुर मात्रा में उपलब्धता की आवश्यकता है। उक्त तथ्यों के आलोक में यह अपेक्षा की गयी है कि आई0सी0यू0 में उपचार में उल्लिखित आवश्यक 55 औषधियों (संलग्नक-1), का आंकलन करते हुए प्रत्येक चिकित्सालय में उपलब्धता अनिवार्य रूप से सुनिश्चित की जाए। औषधियों की उपलब्धता का आंकलन प्रति रोगी, औसत उपयोग तथा अपेक्षित रोगियों की संख्या के अनुरूप किया जाना है।

3- उक्त आवश्यक 55 औषधियों के साथ ही अन्य आवश्यक औषधियों की सूची (संलग्नक-2) भी भारत सरकार के उपरोक्त सन्दर्भित पत्र उपलब्ध करायी गयी है जिनकी आवश्यकता आगामी 03 माह में होगी।

4- इस संबंध में मुझे यह कहने का निदेश हुआ है कि कृपया संलग्न सूची में उल्लिखित आवश्यक औषधियों की उपलब्धता समस्त चिकित्सालयों एवं व्यावसायिक संस्थानों में सुनिश्चित कराने का कष्ट करें।

संलग्नक: यथोक्त।

भवदीय,



(अमित मोहन प्रसाद)

प्रमुख सचिव


संख्या-891(1)/पांच-5-2020 तद्दिनांक।


प्रतिलिपि: निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. प्रमुख सचिव, खाद्य एवं औषधि प्रशासन विभाग, उ०प्र० शासन।
2. महानिदेशक, चिकित्सा शिक्षा एवं प्रशिक्षण, उ०प्र०, लखनऊ।
3. औषधि नियंत्रक, खाद्य एवं औषधि प्रशासन विभाग, उ०प्र०, लखनऊ।
4. प्रबन्ध निदेशक, उ०प्र० मेडिकल सप्लाइज कार्पोरेशन, उ०प्र०, लखनऊ।
5. गार्ड फाइल।

संलग्नक: यथोक्त।

आज्ञा से,


(वेद प्रकाश राय)
अनु सचिव।


17/04/2020
2020/4
17.4.2020

श्री - १११/प्रा.५-५ २००



प्रीति सूदन

सचिव

PREETI SUDAN

Secretary



सत्यमेव जयते

भारत सरकार

स्वास्थ्य एवं परिवार कल्याण विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय

Government of India

Department of Health and Family Welfare

Ministry of Health and Family Welfare

D.O.No.18-03/2020-DC/COVID-19

Dated : 16th April, 2020

संख्या 2694 (एन)/पीएसएमएच/2020

Dear Colleague,

I would like to invite your attention to this Department's mail dated 29th March, 2020 requesting the States/UTs to ensure availability of sufficient stocks of all critical drugs and other medicines under the National List of Essential Medicines (NLEM) to meet the demand over the next two months.

2. While Hydroxychloroquine (200 mg) and Azithromycin (500 mg) tablets, which have been recommended for patients requiring ICU management, asymptomatic healthcare workers and asymptomatic household contacts of positive cases, are being centrally procured and supplied to States/UTs, there are other essential drugs which may also be required for management of COVID-19 patients. The Directorate General of Health Services (DGHS), the technical wing of this Ministry, has provided a list of 55 drugs that may be required for ICU management of COVID-19 patients admitted to hospitals, a copy of the same is enclosed at Annexure-I. The requirement is based on the average consumption per patient and depending upon the number of patients that would need ICU management, the requirements will vary across States/UTs.

3. In addition to the above, the DGHS has also provided a general list containing essential drugs that are projected to be required in the country during the following three-month period. A copy of this list is also enclosed at Annexure-II.

4. The ready availability of the drugs included in these two lists would be an important factor in the management of the situation arising out of the pandemic. I would, therefore, urge you to ensure sufficient availability of these drugs in the hospitals/clinical establishments and also in the trade channels in your States.

Contd...2/-

5. In addition, adequate availability of the other NLEM drugs may also be ensured in both the public health care system and in the domestic retail market. You may also take this opportunity to assess your current stock position of these drugs and to replenish them, if necessary.

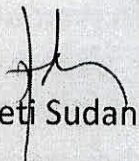
Encl : As above.

Yours sincerely,
Sd/-
(Preeti Sudan)

Addl CS / Prl. Secretary / Secretary, Health of all the States/UTs

Copy to:-

1. Shri P.D. Vaghela, Secretary, Department of Pharmaceuticals, 341-A, Shastri Bhawan, New Delhi.
2. Chairperson, NPPA
3. DGCI, CDSCO, FDA Bhawan, New Delhi
4. Drug Controllers in States / UTS


(Preeti Sudan)

Essential drugs required for 3 months period for the whole country

Nomenclature of the Medicine	Strength	Quantity per thousand population as per WHO	Quantity per ten thousand
Non Steroidal Anti-inflammatory Agents			
Paracetamol	Tab 500mg	4000	40000
Ibuprofen	Tab 400mg	1000	10000
Ibuprofen	Tab 200mg	1000	10000
Paracetamol syrup	Oral liq 125mg /5ml	1000	10000
Diclofenac Sodium	Tab 50 mg	1000	10000
Anti Bacterial Agents			
Albendazole	400mg	200	2000
Amoxicillin Cap	500mg	3000	30000
Amoxicillin Syp	125mg/5ml	750	7500
Amoxicillin Cap	250mg	3000	30000
Cap Ampicillin	500mg	3000	30000
Ampicillin injection	500mg	800	8000
Azithromycin	oral suspension 200mg/5ml	250	2500
Capsule Doxycycline	100mg	3000	30000
Amoxicillin + clavulanic acid	Injection 1.2 gm	100	1000
Cefoperazone sulbactam	Injection 1.5 gm	100	1000
Meropenam	Injection 1gm	100	1000
Piperacillin + Tazobactam	Injection 4gm	100	1000
Ceftriaxone	inj 1gm/vial	800	8000
Cephalexin	tab/cap 250 mg	2000	20000
Azithromycin	Tab 500mg	1000	10000
Ofloxacin	tab 200mg	2000	20000
Metronidazole	tab 400mg	2000	20000
Amoxicillin + clavulanic acid	Cap (500mg+125mg)	1500	15000
Amoxicillin + clavulanic acid	powder for oral suspension(125mg+31.25/5ml)	400	4000
Cotrimoxazole (Trimethoprim + Sulphamethoxazole)	Tablets 80 + 400 mg	3000	30000
Cefixime	powder for oral suspension (100mg/5ml)	750	7500
Anti fungal drugs			
Clotrimazole	Pessary 500mg	100	1000
Fluconazole	Tab150 mg	200	2000
Antiviral drugs			
Acyclovir	Tablet 400 mg	500	5000
Cardiovascular drugs			
Acetyl Salicylic acid	Tablet 75 mg	1500	15000
Amlodipine	Tablet 5 mg	500	5000

Enalapril	Tablet 5 mg	5000	50000
Furosemide	Tablet 40 mg	500	5000
MethylDopa	tab 250mg	100	1000
Hydralazine	Powder for Inj 20mg/amp	20	200
Atenolol	tab 50 mg	2000	20000
Glycerol trinitrate	tab 500mcg	500	5000
Atropine	injection 1mg/ml 1 ml/ampoule	50	500
Epinephrine (adrenaline), injection 1 mg/ml	1 ml/ampoule	50	500
Dermatological drugs			
Povidine Iodine	10% , 200 ml bottle	120	1200
Miconazole	oint 2%	20	200
Silver sulfadiazine, cream 1%	tube, 50 g	30	300
Gastrointestinal Medicines			
Omeprazole	tab 20mg	100	1000
Domperidone	tab 10mg	100	1000
Ondansteron	tab 4mg	100	1000
Antacid(Al hydroxide +Mg hydroxide)	tab	200	2000
Dicyclomine	tab 10mg	100	1000
Antiallergic medicine/medicine for anaphylaxis			
Cetirizine Hydrochloride	tab 10mg	4000	40000
	Injection 22.75 mg / ml	150	1500
Pheniramine Maleate	vial	50	500
Hydrocortisone, powder for injection 100 mg (as sodium succinate)			500
Prednisolone, tablet 5 mg	tablet	1000	10000
Medicine for respiratory tract			
Salbutamol	tab 4mg	400	4000
Salbutamol inhaler	100mcg/dose	75	750
Beclomethasone inhaler	100mcg/dose	75	750
Etofylline+ Theophylline	Tab (84.3+25.3mg)	400	4000
Anticonvulsants/antiepileptics			
Carbamazepine, tablets (scored) 200 mg	tablet	2200	22000
Sodium Valproate	tablet 200 mg	1100	11000
Phenytoin Sodium	Injection 50 mg/ml	200	2000
Diazepam, injection 5 mg/ml [controlled substance]	2 ml/ampoule	200	2000
Magnesium sulfate, injection 500 mg/ml	10 ml/ampoule	30	300
Hormones, other endocrine medicines and contraceptives			
Inj Intermediate-acting insulin,	100 IU/ml [cold chain] 10 ml/vial	20	200

Inj Soluble insulin, injection	100 IU/ml [cold chain] 10 ml/vial	20	200
<i>Metformin</i>	tab 500mg	700	7000
Glimepride	tab 2mg	350	3500
<i>thyroxine</i>	50 mcg	700	7000
Medicines affecting the blood			
Folic acid, tablets	5 mg tablet	1000	10000
Heparin sodium,	injection 5 000 IU/ml vial 5 ml	25	250
Oxytocics			
Misoprostol,	tablets 200 mcg tablet	60	600
Oxytocin,	injection 10 IU/ml [cold chain] ampoule	200	2000
Antianxiety medications			
Biperiden, tablets 2 mg	tablet	400	4000
Diazepam, tablets 5 mg [controlled substance]	tablet	240	2400
Fluoxetine, tablets 20 mg	tablet	5000	50000
Haloperidol, injection 5 mg/ml	1 ml/ampoule	20	200
Haloperidol, tablets 5 mg	tablet	1300	13000
Antidiarrheal agents			
<i>ORS (oral rehydration salts) powder</i>	(10 x 200)	2000	20000
<i>Zinc sulfate, dispersible tabs 20 mg</i>	(10 x 1000)	10000	100000
Solutions correcting water, electrolytes and acid-based disturbances			
Ringer's lactate, injectable solution, with giving set and needle	500 ml bag	200	2000
Glucose 5%, injectable solution, with giving set and needle	500 ml bag	100	1000
Sodium Chloride	0.9% isotonic	200	2000
Vitamins and Minerals			
Ferrous sulfate + folic acid, tablets 200 mg + 0.4 mg	tablet	2000	20000
Vitamin B Complex	tablet	2000	20000
Calcium + Vit D3	tablet (500 mg + 250 IU)	2000	20000
Ascorbic acid, tablets 250 mg	tablet	4000	40000
Anesthetic/Analgesic agents			
Nitrous Oxide	Inhalation		
Oxygen	Inhalation		
Morphine 10mg/ml	1mg/ml	50	500
Ketamine, injection 50 mg/ml	10 ml/vial	25	250
Lidocaine, injection 1%	20 ml/vial	50	500
Thiopentone Sodium S, T	Injection 1 g powder	25	250
Lignocaine Hydrochloride	Topical Forms, 2-5%,	100	1000
Miscellaneous			
Activated Charcoal	Oral, tab 250mg	50	

Specific antsnake venom	injection	50	
Calcium gluconate	inj 100mg/ml,	10	100
	10/ml/amp		1000
Anti Rabies Vaccine	Inj 1ml/vial	100	
Anti rabies serum	Inj 5000IU/2ml	25	250
Ciprofloxacin	Eye/ear drops	150	1500

The following drugs may be needed for ICU management of patients of COVID - 19 if admitted to hospital (base on all average consumption)

Sr. No	Category of Drug	Name of Drug	Requirement for 10 days for 1 patient in ICU	Requirement for 10 days for 25 patients in ICU	Requirement for 60 days for 150 patients in ICU
	Vasopressors				
1		Inj. Noradrenaline 1mg/ml	30 amps	750 amps	27,000 amps
2		Inj. Vasopressin 5mg/ml	30 amps	750 amps	27,000 amps
3		Inj. Dobutamine 1mg/m	10 amp	250 amps	9,000 amps
4		Inj. Adrenaline 1mg/ml	29 amps	725 amps	26,100 amps
5		Inj. Atropine Sulphate 1mg/ml	15 amps	375 amps	13,500 amps
	Arrhythmia drugs/ Emergency cardiac drugs				
6		Inj. Amiodarone 150mg	17 amps	425 amps	15,300 amps
7		Inj. Enalaprilat 1.25mg	12 amps	300 amps	10,800 amps
8		Inj. Labetalol 5 mg/mL (10ml)	6 amps	150 amps	5,400 amps
	Analgesia/ Sedatives/ Muscle relaxants				
9		Inj. Midazolam 10mg	10 amps	250 amps	9,000 amps
10		Inj. Vecuronium 4mg/ml	6 amps	150 amps	5,400 amps
11		Inj. Suxamethonium 50mg/ml	2 amp	50 amps	1,800 amps
12		Inj. Fentanyl 50mcg/ml	7 amps	175 amps	6,300 amps
	Antibiotics/ Antimicrobial Agents				
13		Inj. Amoxicillin/Clavulanic Acid (500mg/125mg)	30 amps	750 amps	27,000 amps
14		Inj. Ceftriaxone 1gm	20 amps	500 amps	18,000 amps

15		Inj. Meropenam 1gm	10 amps	250 amps	9,000 amps
16		Inj. Targocid 400mg	12 amps	300 amps	10,800 amps
17		Inj. Vancomycin 500mg	30 amps	750 amps	27,000 amps
18		Inj. Ciprofloxacin 500mg	20 amps	500 amps	18,000 amps
19		Inj. Levofloxacin 500mg	10 amps	250 amps	9,000 amps
20		Inj. Cefotaxime 1gm	20 amps	500 amps	18,000 amps
21		Inj. Artesunate 120mg	6 amps	150 amps	5,400 amps
22		Inj. Linezolid 600mg	20 amps	500 amps	18,000 amps
23		Inj. Clindamycin 600mg	20 amps	500 amps	18,000 amps
24		Inj. Metronidazole 500mg	30 amps	750 amps	27,000 amps
	Nebulisation				
25		Salbutamol Respiratory Solution 5mg	15 respules	375 respules	13,500 respules
26		Salbutamol/ipratropium Solution 5mg/500 mcg	30 respules	750 respules	27,000 respules
27		Formetrol/Budesonide (20mcg/0.5mg)	20 respules	500 respules	18,000 respules
	Other Drugs				
28		Lignocaine 2% Inj. (30ml)	2 amp	50 amps	1,800 amps
29		Chlorhexidine mouth wash	2 bottles	50 bottles	1,800 bottles
30		Chlorhexidine Skin preparation	2 bottles	50 bottles	1,800 bottles
31		Beladine skin preparation	2 bottles	50 bottles	1,800 bottles
32		Heparin 5000 IU/ml inj (5ml)	2 amps	50 amps	1,800 amps
33		Inj. Enoxaparin 0.6ml	10 amps	250 amps	9,000 amps
34		Inj. Tranexamic acid 50mg/ml	9 amps	225 amps	8,100 amps
35		Inj. Frusemide 10mg/ml (2ml)	15 amps	375 amps	13,500 amps
36		Inj. Hydrocortisone acetate 100mg/1ml	21 amps	525 amps	18,900 amps
37		Inj. Potassium chloride 15% (10ml)	7 amps	175 amps	6,300 amps
39		Inj. Sodium bicarbonate 7.5 %	15 amps	375 amps	13,500 amps
40		Regular Insulin (100U/ml)	2 amp	50 amps	1,800 amps

41		Tab. Paracetamol 500mg	21 tabs	525 tabs	18,900 tabs
42		Tab. Levocetirizine 5mg	10 tabs	250 tabs	9,000 tabs
43		Tab. Pantoprazole 40mg	10 tabs	250 tabs	9,000 tabs
44		Tab. Prednisolone 5mg	43 tabs	1075 tabs	38,700 tabs
45		Tab. Cetirizine 10mg	10 tabs	250 tabs	9,000 tabs
46		Tab. Oseltamivir 75mg	15 tabs	375 tabs	13,500 tabs
47		Tab. Amlodipine 5mg	10 tabs	250 tabs	9,000 tabs
48		Tab. Atenolol 50mg	10 tabs	250 tabs	9,000 tabs
Sr. No	Category of Drug	Name of Drug	Requirement for 10 days for 1 patient	Requirement for 10 days for 25 patients	Requirement for 60 days for 150 patients in ICU
49	Anti Epileptic	Inj. Diazepam 5mg/ml (2ml)	10 vials	250 vials	9,000 vials
50		Inj. Sodium Valproate 100mg/ml	10 vials	250 vials	9,000 vials
51		Inj. Levetiracetam 500mg	10 vials	250 vials	9,000 vials
52	IV Fluids	Normal Saline (NS)	20 vacs	500 vacs	18,000 vacs
53		Ringer's Lactate	30 vacs	750 vacs	27,000 vacs
54		Dextrose Normal Saline	10 vacs	250 vacs	9,000 vacs
55		Mannitol 20% (500 ml)	2 vacs	50 vacs	1,800 vacs

Requirement of drugs for syndromic treatment of other illnesses in the population of the country will be as much as the retail level consumption of drugs on list of the National Formulary of drugs approved by Indian Pharmacopoeia Commission and as per records available with Department of Pharmaceuticals.