**PROGRAMME IMPLEMENTATION PLAN FOR FREE DRUGS SERVICE INITIATIVE PROGRAMME, 2021-2022**

Free Drugs Service Initiative programme was introduced in Mizoram in 2014. The approved amount for FY 2020-2021 was Rs. 228 lakhs, which includes drugs under Health & Wellness Centre and RCH

The FDSI programme being an integral part and an important pillar for comprehensive primary healthcare, availability of sufficient essential drugs in all public health facilities from Sub Centre to District Hospital is essential so as to reduce out of pocket expenditure on healthcare and for smooth delivery of health care service to patients.

Proposal is made as per facility wise requirement of essential drugs. Requirement of drugs under RCH and Health and Wellness Centre is also included in this year’s proposal.

Proposal for provision of transportation of drugs from Central Medical Store to various districts is also included for timely distribution, as lack of provision for POL has been one of the reasons for delay in distribution of medicines procured from NHM.

The proposed amount for purchase of essential drugs under FDSI for financial year 2020-2021 is ₹. **347.89 lakhs**

**Public Health Facilities in Mizoram**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of District** | **Population** | **No of District Hospital** | **No of SDH** | **No of CHC** | **No of PHC** | **No of Sub Centre** |
| 1 | Aizawl East | 274340 | 1 | 0 | 2 | 6 | 57 |
| 2 | Aizawl West | 188282 | 1 | 1 | 0 | 6 | 37 |
| 3 | Champhai | 149887 | 1 | 0 | 2 | 11 | 59 |
| 4 | Kolasib | 92270 | 1 | 0 | 1 | 5 | 26 |
| 5 | Lawngtlai | 140822 | 1 | 0 | 1 | 5 | 37 |
| 6 | Lunglei | 161600 | 1 | 1 | 1 | 9 | 70 |
| 7 | Mamit | 95700 | 1 | 0 | 1 | 6 | 33 |
| 8 | Saiha | 66478 | 1 | 0 | 0 | 4 | 24 |
| 9 | Serchhip | 70486 | 1 | 0 | 1 | 5 | 27 |
| 10 | **TOTAL** | **1239865** | **9** | **2** | **9** | **57** | **370** |

1. **PROPOSAL OF ESSENTIAL DRUGS FOR SUB CENTRE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Projected cost** | **Requirement for 1 SC** | **Total cost** |
| 1 | Lignocaine | Injection 2% (30ml) | 40 | 3 | 120 |
| 2 | Diclofenac | Tablet 50mg | 0.53 | 300 | 159 |
| 3 | Diclofenac | Injection 25mg/ml | 7.68 | 25 | 192 |
| 4 | Paracetamol | Tablet 500mg | 0.5 | 570 | 285 |
| 5 | Paracetamol | Syrup 125mg/ml | 40 | 50 | 2000 |
| 6 | Cetrizine | Tablet 10mg | 0.67 | 300 | 201 |
| 7 | Cetrizine | Oral liquid 5mg/5ml | 30 | 30 | 900 |
| 8 | Albendazole | Tablet 400mg | 2.8 | 50 | 140 |
| 9 | Albendazole | Suspension 200mg/ml in 10ml bottle | 25 | 30 | 750 |
| 10 | Amoxicillin | Capsule 250mg | 3 | 600 | 1800 |
| 11 | Amoxicillin | Capsule 500mg | 3 | 600 | 1800 |
| 12 | Amoxicillin | Oral liquid 150mg/5ml | 35 | 50 | 1750 |
| 13 | Metronidazole | Tablet 400mg | 3 | 500 | 1500 |
| 14 | Metronidazole | Suspension 200mg/5ml | 32 | 50 | 1600 |
| 15 | Omeprazole | Capsule 20mg | 55 | 500 | 27500 |
| 16 | Sulphamethoxazole + Trimethoprim | Tablet 400mg + 80mg | 3 | 600 | 1800 |
| 17 | Sulphamethoxazole + Trimethoprim | Oral liquid 200mg (A) + 40mg (B)/5ml | 120 | 30 | 3600 |
| 18 | Ethyl alcohol (denatured) | Solution 70% (500ml) | 200 | 3 | 600 |
| 19 | Povidone Iodine | Solution 10% (500ml) | 550 | 3 | 1650 |
| 20 | ORS | Powder as per WHO recommendation | 12 | 30 | 360 |
| 21 | Folic Acid | Tablet 5mg | 2283 | 1 | 2283 |
| **Estimated cost of essential drug for 1 Sub Centre** | | | | | **50990** |
| **Estimated cost of essential drug for 370 Sub Centres** | | | | | **18866300** |

1. **PROPOSAL OF ESSENTIAL DRUGS FOR PHC/CHC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Projected cost** | **Requirement for 1 PHC/CHC** | **Total cost** |
| 1 | Lignocaine | Injection 2% (30ml) | 40 | 5 | 200 |
| 2 | Diclofenac | Tablet 50mg | 0.53 | 1000 | 530 |
| 3 | Diclofenac | Injection 25mg/ml | 7.68 | 50 | 384 |
| 4 | Paracetamol | Tablet 500mg | 0.5 | 570 | 285 |
| 5 | Paracetamol | Syrup 125mg/ml | 40 | 50 | 2000 |
| 6 | Cetrizine | Tablet 10mg | 0.67 | 1000 | 670 |
| 7 | Cetrizine | Oral liquid 5mg/5ml | 30 | 50 | 1500 |
| 8 | Albendazole | Tablet 400mg | 2.8 | 100 | 280 |
| 9 | Albendazole | Suspension 200mg/ml in 10ml bottle | 25 | 50 | 1250 |
| 10 | Amoxicillin | Capsule 250mg | 3 | 1000 | 3000 |
| 11 | Amoxicillin | Capsule 500mg | 3 | 1000 | 3000 |
| 12 | Amoxicillin | Oral liquid 150mg/5ml | 35 | 50 | 1750 |
| 13 | Metronidazole | Tablet 400mg | 3 | 1000 | 3000 |
| 14 | Metronidazole | Suspension 200mg/5ml | 32 | 50 | 1600 |
| 15 | Omeprazole | Capsule20mg | 55 | 1000 | 55000 |
| 16 | Ethyl alcohol (denatured) | Solution 70% (500ml) | 200 | 5 | 1000 |
| 17 | Povidone Iodine | Solution 10% (500ml) | 550 | 5 | 2750 |
| 18 | ORS | Powder as per WHO recommendation | 12 | 50 | 600 |
| 19 | Tramadol | Injection 50mg/ml | 18 | 25 | 450 |
| 20 | Dexamethasone | Injection 4mg/ml | 40 | 25 | 1000 |
| 21 | Phenytoin | Injection 100mg/ml | 12 | 25 | 300 |
| 22 | Ampicillin | Powder for injection 500mg | 30 | 50 | 1500 |
| 23 | Cefixime | Oral liquid 50mg/5ml | 50 | 50 | 2500 |
| 24 | Cefixime | Tablet 200mg | 11 | 1000 | 11000 |
| 25 | Ceftriaxone | Powder for injection 250mg | 24 | 50 | 1200 |
| 26 | Ceftriaxone | Powder for injection 1gm | 60 | 50 | 3000 |
| 27 | Azithromycin | Tablet 250mg | 16 | 1000 | 16000 |
| 28 | Azithromycin | Oral liquid 200mg/5ml | 30 | 50 | 1500 |
| 29 | Ciprofloxacin | Tablet 250mg | 4 | 1000 | 4000 |
| 30 | Cotrimoxazole [Sulphamethoxazole (A) + Trimethoprim (B)] | Tablet 800mg (A) + 160mg (B) | 1.5 | 1000 | 1500 |
| 31 | Cotrimoxazole [Sulphamethoxazole (A) + Trimethoprim (B)] | Oral liquid 200mg (A) + 40mg (B)/5ml | 20 | 50 | 1000 |
| 32 | Doxycycline | Tablet 100mg | 10 | 1000 | 10000 |
| 33 | Gentamicin | Injection 80mg/2ml | 9 | 50 | 450 |
| 34 | Metronidazole | Injection 200mg/5ml | 15 | 50 | 750 |
| 35 | Fluconazole | Tablet 150mg | 32 | 100 | 3200 |
| 36 | Silver sulphadiazine | Cream 1% | 20 | 30 | 600 |
| 37 | Permethrin | Cream 5% | 35 | 30 | 1050 |
| 38 | Hydrogen poroxide | Solution 3% 1 itre | 850 | 5 | 4250 |
| 39 | Bleaching powder | Containing not less than 30% w/w of available chlorine (as per I.P)(1 kg) | 250 | 5 | 1250 |
| 40 | Furosemide | Injection 10mg/ml | 8 | 30 | 240 |
| 41 | Ondansetron | Oral liquid 2mg/5ml | 35 | 30 | 1050 |
| 42 | Ondansetron | Injection 2mg/ml | 25 | 50 | 1250 |
| 43 | Zinc sulphate | Dispersible tablet 20mg | 3.5 | 300 | 1050 |
| 44 | Glucose (A)+ Sodium chloride (B) | Injection 5% (A)=0.9% (B) L | 25 | 50 | 1250 |
| 45 | Ringer Lactate | Injection (as per IP) | 25 | 50 | 1250 |
| 46 | Sodium bicarbonate | Injection 5 ml(as per IP) | 35 | 10 | 350 |
| 47 | Sodium Chloride | Injection 0.9% | 25 | 50 | 1250 |
| 48 | Thiamine | Tablet 100mg | 6 | 500 | 3000 |
| 49 | Dextrose | 5% Injection | 25 | 50 | 1250 |
| 50 | Oxytocin | Injection 5 IU/amp | 14 | 427 | 5978 |
| 51 | Misoprostone+Mifepristone | Tablet 200mcg+200mg | 300 | 3 | 900 |
| 52 | Folic Acid | Tablet 5mg | 2283 | 1 | 2283 |
| **Estimated cost of essential drug for 1 PHC/CHC** | | | | | **166400** |
| **Estimated cost of essential drug for 66 PHC/CHC** | | | | | **10982400** |

1. **PROPOSAL OF ESSENTIAL DRUGS FOR SDH/DH**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Projected cost** | **Requirement for 1 DH/SDH** | **Total cost** |
| 1 | Lignocaine | Injection 2% (30ml) | 40 | 10 | 400 |
| 2 | Diclofenac | Tablet 50mg | 0.53 | 2000 | 1060 |
| 3 | Diclofenac | Injection 25mg/ml | 7.68 | 100 | 768 |
| 4 | Paracetamol | Tablet 500mg | 0.5 | 2065 | 1032.5 |
| 5 | Paracetamol | Syrup 125mg/ml | 40 | 100 | 4000 |
| 6 | Cetrizine | Tablet 10mg | 0.67 | 2000 | 1340 |
| 7 | Cetrizine | Oral liquid 5mg/5ml | 30 | 100 | 3000 |
| 8 | Albendazole | Tablet 400mg | 2.8 | 500 | 1400 |
| 9 | Albendazole | Suspension 200mg/ml in 10ml bottle | 25 | 100 | 2500 |
| 10 | Amoxicillin | Capsule 250mg | 3 | 2000 | 6000 |
| 11 | Amoxicillin | Capsule 500mg | 3 | 2000 | 6000 |
| 12 | Amoxicillin | Oral liquid 150mg/5ml | 35 | 100 | 3500 |
| 13 | Metronidazole | Tablet 400mg | 3 | 2000 | 6000 |
| 14 | Metronidazole | Suspension 200mg/5ml | 32 | 100 | 3200 |
| 15 | Omeprazole | Capsule20mg | 55 | 2000 | 110000 |
| 16 | Ethyl alcohol (denatured) | Solution 70% (500ml) | 200 | 20 | 4000 |
| 17 | Povidone Iodine | Solution 10% (500ml) | 550 | 20 | 11000 |
| 18 | ORS | Powder as per WHO recommendation | 12 | 100 | 1200 |
| 19 | Tramadol | Injection 50mg/ml | 18 | 30 | 540 |
| 20 | Dexamethasone | Injection 4mg/ml | 8 | 77 | 616 |
| 21 | Phenytoin | Injection 100mg/ml | 12 | 30 | 360 |
| 22 | Ampicillin | Powder for injection 500mg | 30 | 500 | 15000 |
| 23 | Cefixime | Oral liquid 50mg/5ml | 50 | 100 | 5000 |
| 24 | Cefixime | Tablet 200mg | 11 | 2000 | 22000 |
| 25 | Ceftriaxone | Powder for injection 250mg | 24 | 200 | 4800 |
| 26 | Ceftriaxone | Powder for injection 1gm | 60 | 200 | 12000 |
| 27 | Azithromycin | Tablet 250mg | 16 | 2000 | 32000 |
| 28 | Azithromycin | Oral liquid 200mg/5ml | 30 | 100 | 3000 |
| 29 | Ciprofloxacin | Tablet 250mg | 4 | 2000 | 8000 |
| 30 | Cotrimoxazole [Sulphamethoxazole (A) + Trimethoprim (B)] | Tablet 800mg (A) + 160mg (B) | 1.5 | 2000 | 3000 |
| 31 | Cotrimoxazole [Sulphamethoxazole (A) + Trimethoprim (B)] | Oral liquid 200mg (A) + 40mg (B)/5ml | 20 | 100 | 2000 |
| 32 | Doxycycline | Tablet 100mg | 10 | 2000 | 20000 |
| 33 | Gentamicin | Injection 80mg/2ml | 9 | 50 | 450 |
| 34 | Metronidazole | Injection 200mg/5ml | 15 | 50 | 750 |
| 35 | Fluconazole | Tablet 150mg | 32 | 200 | 6400 |
| 36 | Silver sulphadiazine | Cream 1% | 20 | 30 | 600 |
| 37 | Permethrin | Cream 5% | 35 | 30 | 1050 |
| 38 | Hydrogen poroxide | Solution 3% 1 itre | 850 | 5 | 4250 |
| 39 | Bleaching powder | Containing not less than 30% w/w of available chlorine (as per I.P)(1 kg) | 250 | 5 | 1250 |
| 40 | Furosemide | Injection 10mg/ml | 8 | 30 | 240 |
| 41 | Ondansetron | Oral liquid 2mg/5ml | 35 | 30 | 1050 |
| 42 | Ondansetron | Injection 2mg/ml | 25 | 50 | 1250 |
| 43 | Zinc sulphate | Dispersible tablet 20mg | 3.5 | 1000 | 3500 |
| 44 | Glucose (A)+ Sodium chloride (B) | Injection 5% (A)=0.9% (B) L | 25 | 100 | 2500 |
| 45 | Ringer Lactate | Injection (as per IP) | 25 | 100 | 2500 |
| 46 | Sodium bicarbonate | Injection 5 ml(as per IP) | 35 | 20 | 700 |
| 47 | Sodium Chloride | Injection 0.9% | 25 | 100 | 2500 |
| 48 | Thiamine | Tablet 100mg | 6 | 1000 | 6000 |
| 49 | Dextrose | 10% Injection | 25 | 100 | 2500 |
| 50 | Dextrose | 5% Injection | 25 | 100 | 2500 |
| 51 | Lignocaine | Topical forms 2-5% | 40 | 20 | 800 |
| 52 | Adrenaline | Injection 1 mg/ml | 32 | 10 | 320 |
| 53 | Hydrocortisone | Injection 100 mg | 35 | 30 | 1050 |
| 54 | Pheniramine | Injection 22.75 mg/ml | 36 | 30 | 1080 |
| 55 | Activated charcoal | Tablet (as licensed) | 3 | 100 | 300 |
| 56 | Snake venom antiserum a) Soluble/ liquidpolyvalent | Powder for Injection | 450 | 5 | 2250 |
| 57 | Acyclovir | Tablet 200 mg | 12 | 1000 | 12000 |
| 58 | Clotrimazole | Cream 1% | 60 | 30 | 1800 |
| 59 | Mannitol | Injection 20% | 180 | 20 | 3600 |
| 60 | Ciprofloxacin | Eye Drops 0.3 % | 20 | 30 | 600 |
| 61 | Ciprofloxacin | Ointment 0.3% | 50 | 30 | 1500 |
| 62 | Gentamicin | Drops 0.3% | 45 | 30 | 1350 |
| 63 | Neosporin – H | Ointment | 60 | 30 | 1800 |
| 64 | Salbutamol | Tablet 2 mg | 2.5 | 500 | 1250 |
| 65 | Salbutamol | Respirator solution for use in nebulizer 5mg/ml | 12 | 50 | 600 |
| 66 | Magnesium Sulphate | 2g/2ml | 8 | 494 | 3952 |
| 67 | Oxytocin | Injection 5 IU/amp | 14 | 3363 | 47082 |
| 68 | Misoprostone+Mifepristone | Tablet 200mcg+200mg | 300 | 4 | 1200 |
| 69 | Folic Acid | Tablet 5mg | 8146 | 1 | 8146 |
| **ESTIMATED COST OF ESSENTIAL DRUG FOR 1 DH/SDH** | | | | | **425386.5** |
| **ESTIMATED COST OF ESSENTIAL DRUG FOR 11 DH/SDH** | | | | | **4679251.5** |

1. **Proposal for Transportation of Drugs under FDSI from Central Medical Store to District Hospitals/District stores**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Name of Districts** | **Distance from Central Medical Store, Aizawl in Kms** | **Vehicle hire rate per Km in Rupees** | **Total amount required in Rupees** |
| 1 | Aizawl East | 10 | 180 | 1800 |
| 2 | Aizawl West | 15 | 180 | 2700 |
| 3 | Champhai | 194 | 180 | 34920 |
| 4 | Serchhip | 107 | 180 | 19260 |
| 5 | Lunglei | 235 | 180 | 42300 |
| 6 | Kolasib | 83 | 180 | 14940 |
| 7 | Lawngtlai | 316 | 180 | 56880 |
| 8 | Siaha | 388 | 180 | 69840 |
| 9 | Mamit | 105 | 180 | 18900 |
| (source: Mizoram Truck Owners Association) | | | **TOTAL** | ₹**. 261540** |

**SUMMARY**

|  |  |  |
| --- | --- | --- |
| 1 | **Estimated cost of essential drug for 370 Sub Centres** | ₹. **18866300** |
| 2 | **Estimated cost of essential drug for 66 PHC/CHC** | ₹. **10982400** |
| 3 | **Estimated cost of essential drug for 11 SDH/DH** | ₹. **4679251.5** |
| 4 | **Estimated cost of transportation of Drugs under FDSI from Central Medical Store to District Hospitals/District stores** | ₹. **261540** |
|  | **TOTAL** | **₹. 34789491.5** |