**1PROPOSED ESTIMATE FOR FREE DRUGS SERVICE INITIATIVE PROGRAMME 2020-21**

Free Drugs Service Initiative programme was introduced in Mizoram in 2014 but initiative was not taken until 2015-2016.

The approved amount for FY 2019-2020 was Rs.95.41 lakhs. This amount was close to sufficient whereas out of pocket expenditure mainly from outdoor patients was not met as the existing healthcare schemes in the state covers mostly healthcare expenditure of indoor patients. 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. In order for this programme to cover for expenditures on drugs for indoor as well as outdoor patients, a larger sum may be funded to supply adequate free essential drugs thereby reducing out of pocket expenditure on healthcare.

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 **Rs**. **136.43**

**Public Health Facilities in Mizoram**

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

**1. Estimated cost of Essential Drugs for Sub Centre**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Projected Cost of I unit in Rupees (FY 2017-18 approved rate+5%)** | **Requirement for 1 sub centre** | **Total cost in Rupees** |
| 1 | Lignocaine | Topical 2-5% | 174 | 5 | 870 |
| 2 | Diclofenac | Tablet 50mg | 0.53 | 100 | 53 |
| 3 | Diclofenac Sodium | Injection 75mg/3ml | 7.68 | 50 | 384 |
| 4 | Cetrizine | Tablet 10mg | 0.67 | 100 | 67 |
| 5 | Albendazole | Tablet 400mg | 2.8 | 100 | 280 |
| 6 | Ciprofloxacin | Tablet 250mg | 2.74 | 100 | 274 |
| 7 | Metronidazole | Tablet 400mg | 2.37 | 100 | 237 |
| 8 | Metronidazole | Suspension 200mg/5ml | 29.75 | 50 | 1487.5 |
| 9 | Amoxicillin | Capsule 250mg | 2.97 | 100 | 297 |
| 10 | Povidone iodine | Solution 10% | 153 | 5 | 765 |
| 11 | Ranitidine | Tablet 150mg | 1.23 | 100 | 123 |
| 12 | ORS | Powder as per WHO recommendation | 10.86 | 50 | 543 |
| 13 | Sulphamethoxazole + Trimethoprim | Tablet 400mg + 80mg | 2.97 | 100 | 297 |
| 14 | Neomycin + Betamethasone | Ointment 0.5% + 0.12% | 47 | 10 | 470 |
|  | | | | **TOTAL** | **Rs. 6148** |

Estimated cost of Essential drugs for 1 Sub Centre = Rs. 6148

**Proposed cost of Essential Drugs for 370 Sub Centres = Rs.** **2274575**

**2. Estimated cost of Essential Drugs for Primary Health Centre**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Projected Cost of I unit in Rupees (FY 2017-18 approved rate+5%)** | **Requirement for 1 PHC** | **Total cost in Rupees** |
| 1 | Lignocaine Hydrochloride | Injection 2% | 174 | 30 | 5220 |
| 2 | Diclofenac | Tablet (50mg) | 0.53 | 500 | 265 |
| 3 | Diclofenac Sodium | Injection 75mg/3ml | 7.68 | 100 | 768 |
| 4 | Cetrizine Hydrochoride | Tablet (10mg) | 0.67 | 500 | 335 |
| 5 | Cetrizine Hydrochoride | Syrup 5mg/5ml | 20 | 100 | 2000 |
| 6 | Cefadroxil | Tablet (250mg) | 4.71 | 500 | 2355 |
| 7 | Ciprofloxacin | Tablet( 250mg) | 2.74 | 500 | 1370 |
| 8 | Doxycycline | Capsule/Tablet (100mg) | 2.87 | 500 | 1435 |
| 9 | Gentamycin | Injection 40mg/2ml | 36 | 30 | 1080 |
| 10 | Metronidazole | Tablet (400mg) | 2.37 | 500 | 1185 |
| 11 | Metronidazole | Suspension 200mg/5ml | 29.72 | 100 | 2972 |
| 12 | Sulphamethoxazole + Trimethoprim | Tablet (400mg + 80mg) | 2.97 | 500 | 1485 |
| 13 | Fluconazole | Tablet (150mg) | 5.74 | 100 | 574 |
| 14 | Clotrimazole | Ointment/cream 1% w/w (15gm) | 29 | 20 | 580 |
| 15 | Povidone iodine | Solution 10% | 154 | 20 | 3080 |
| 16 | Ranitidine | Tablet (150mg) | 1.23 | 1000 | 1230 |
| 17 | Ranitidine | Injection 25mg/ml | 10.25 | 50 | 512.5 |
| 18 | Ondansetron | Injection 4mg/2ml | 12 | 50 | 600 |
| 19 | Oral Rehydration Salts | Powder as per WHO recommendation. | 10.86 | 100 | 1086 |
|  | | | | **TOTAL** | **Rs. 28133** |

Estimated cost of Essential drugs for 1 PHC= Rs. **28133**

**Proposed cost of Essential Drugs for 57 PHCs =** **Rs. 1603553**

**3. Estimated cost of Essential Drugs for Community Health Centre**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Projected Cost of I unit in Rupees (FY 2017-18 approved rate+5%)** | **Requirement for 1 CHC** | **Total cost in Rupees** |
| 2 | Lignocaine Hydrochloride | Injection 2% | 174 | 20 | 3480 |
| 3 | Diclofenac | Tablet (50mg) | 0.53 | 500 | 265 |
| 4 | Diclofenac Sodium | Injection 75mg/3ml | 7.68 | 100 | 768 |
| 9 | Cetrizine Hydrochoride | Tablet (10mg) | 0.67 | 500 | 335 |
| 10 | Cetrizine Hydrochoride | Syrup 5mg/5ml | 20 | 200 | 4000 |
| 12 | Ceftriaxone | Powder for injection(250mg) | 36.90 | 100 | 3690 |
| 15 | Ciprofloxacin | Tablet( 250mg) | 2.74 | 500 | 1370 |
| 16 | Doxycycline | Capsule/Tablet (100mg) | 2.87 | 1000 | 2870 |
| 17 | Gentamycin | Injection 40mg/2ml | 36 | 30 | 1080 |
| 18 | Metronidazole | Tablet (400mg) | 2.37 | 1000 | 2370 |
| 19 | Metronidazole | Suspension 200mg/5ml | 29.72 | 100 | 2972 |
| 20 | Sulphamethoxazole + Trimethoprim | Tablet (400mg + 80mg) | 2.97 | 500 | 1485 |
| 21 | Fluconazole | Tablet (150mg) | 5.74 | 50 | 287 |
| 25 | Povidone iodine | Solution 10% | 154 | 20 | 3080 |
| 28 | Ranitidine | Tablet (150mg) | 1.23 | 1000 | 1230 |
| 29 | Ranitidine | Injection 25mg/ml | 10.25 | 100 | 1025 |
| 30 | Ondansetron | Injection 4mg/2ml | 12 | 100 | 1200 |
| 32 | Oral Rehydration Salts | Powder As per WHO recommendation. | 10.86 | 100 | 1086 |
|  | | | | **TOTAL** | **Rs. 32593** |

Estimated cost of Essential drugs for 1 CHC= Rs.**32593**

**Proposed cost of Essential Drugs for 9 CHCs =** **Rs. 293337**

**4. Estimated cost of Essential Drugs for District Hospital/Sub District Hospital**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Projected Cost of I unit in Rupees (FY 2017-18 approved rate+5%)** | **Requirement for 1 DH** | **Total cost in Rupees** |
| 2 | Lignocaine Hydrochloride | Injection 2% | 174 | 25 | 4350 |
| 3 | Diclofenac | Tablet (50mg) | 0.53 | 500 | 265 |
| 4 | Diclofenac Sodium | Injection 75mg/3ml | 7.68 | 250 | 1920 |
| 6 | Dexamethasone | Injection 4mg/ml | 61 | 50 | 3050 |
| 9 | Cetrizine Hydrochoride | Tablet (10mg) | 0.67 | 500 | 335 |
| 10 | Cetrizine Hydrochoride | Syrup 5mg/5ml | 20 | 100 | 2000 |
| 11 | Amoxycillin | Capsule 500mg | 6 | 1000 | 6000 |
| 13 | Amikacin | Injection (100mg) | 17 | 100 | 1700 |
| 14 | Cefadroxil | Tablet (250mg) | 4.71 | 1000 | 4710 |
| 15 | Ciprofloxacin | Tablet( 250mg) | 2.74 | 1000 | 2740 |
| 16 | Doxycycline | Capsule/Tablet (100mg) | 2.87 | 1000 | 2870 |
| 17 | Gentamycin | Injection 40mg/2ml | 36 | 100 | 3600 |
| 18 | Metronidazole | Tablet (400mg) | 2.37 | 1000 | 2370 |
| 19 | Metronidazole | Suspension 200mg/5ml | 29.72 | 150 | 4458 |
| 20 | Sulphamethoxazole + Trimethoprim | Tablet (400mg + 80mg) | 2.97 | 500 | 1485 |
| 21 | Fluconazole | Tablet (150mg) | 5.74 | 100 | 574 |
| 23 | Atenolol | Tablet (50mg) | 0.71 | 100 | 71 |
| 24 | Clotrimazole | Ointment/cream 1% w/w (15gm) | 29 | 20 | 580 |
| 25 | Povidone iodine | Solution 10% | 154 | 20 | 3080 |
| 26 | Frusemide | Injection 10mg/ml | 24 | 30 | 720 |
| 28 | Ranitidine | Tablet (150mg) | 1.23 | 1000 | 1230 |
| 29 | Ranitidine | Injection 25mg/ml | 10.25 | 200 | 2050 |
| 30 | Ondansetron | Injection 4mg/2ml | 12 | 100 | 1200 |
|  | | | | **TOTAL** | **Rs.51358** |

Estimated cost of Essential drugs for 1 District Hospital/Sub District Hospital = Rs.51358

**Proposed cost of Essential Drugs for 9 District Hospitals and 2 SDH =** **Rs. 564938**

**5.Requirement for Iron Folic Acid, Folic Acid, Calcium+ Vit D3 and Albendazole tablets calculated as follows**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.no** | **Name of District** | **Expected pregnancy**  **(A)** | **No. of IFA req. for PW @180tabs/pw**  **(B)=180x(A)** | **Rate of IFA/unit @ Rs.0.9**  **(C)=(B)x0.9** | **No. of FA required for PW @ 40 pills/pw**  **(D)=(A)x40** | **Rate of FA/unit @ Rs.0.22**  **(E)=(D)x0.22** | **No. of Calcium+ Vit D3 req. for PW @180 tabs/pw**  **(F)=(A)x180** | **Rate of Calcium+Vit D3 @ Rs. 0.4**  **(G)=(F)x0.4** | **No of Albendazole req. for PW @1 tab/ PW**  **(H)=Ax1** | **Rate of Albendazole/unit @ Rs. 1.6**  **(I)=(H)x1.6** |
| 1 | Aizawl East | 5030 | 905400 | 814860 | 201200 | 44264 | 905400 | 362160 | 5030 | 8048 |
| 2 | Aizawl west | 3626 | 652680 | 587412 | 145040 | 31908 | 652680 | 261072 | 3626 | 5802 |
| 3 | Champhai | 2466 | 443880 | 399492 | 98640 | 21701 | 443880 | 177552 | 2466 | 3946 |
| 4 | Kolasib | 1771 | 318780 | 286902 | 70840 | 15585 | 318780 | 127512 | 1771 | 2834 |
| 5 | Lawngtlai | 2768 | 498240 | 448416 | 110720 | 24358 | 498240 | 199296 | 2768 | 4429 |
| 6 | Lunglei | 2996 | 539280 | 485352 | 119840 | 26365 | 539280 | 215712 | 2996 | 4794 |
| 7 | Mamit | 1699 | 305820 | 275238 | 67960 | 14951 | 305820 | 122328 | 1699 | 2718 |
| 8 | Saiha | 1119 | 201420 | 181278 | 44760 | 9847 | 201420 | 80568 | 1119 | 1790 |
| 9 | Serchhip | 1222 | 219960 | 197964 | 48880 | 10754 | 219960 | 87984 | 1222 | 1955 |
| **TOTAL** | | 22697 | 4085460 | **Rs**.**36,76914** | 907880 | **Rs. 199734** | 4085460 | **Rs.1634184** | **22697** | **Rs.36316** |

**Total amount required for IFA tablets Rs. 3676914**

**Total amount required for FA tablets Rs. 199734**

**Total amount required for Calcium+Vit D3 tablets Rs. 1634184**

**Total amount required for Albendazole tablets for pregnant women Rs. 36316**

**6.Requirement for Intensified Diarrhoea Control Fortnight(IDCF) and National Deworming Day (NDD), 2020 under RCH**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Name of drug** | **Dosage type** | **Cost of I unit in Rupees** | **Requirement** | **Total cost in Rupees** |
| 1 | Oral Rehydration Salts1 | Powder As per WHO recommendation. | 3.9 | 462600 | 1804140 |
| 2 | Zinc2 | Tablet (20mg) | 0.30 | 2302300 | 690690 |
| 3 | Albendazole3 | Tablet (400mg) | 1.6 | 377130 | 603408 |
|  | | | | **TOTAL** | **Rs.3098238** |

**Total Amount required for IDCF and NDD Rs. 3098238**

**7. Estimated cost of 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** | **Rs. 261540** |

**PROPOSAL FOR FREE DRUGS SERVICE INITIATIVE PROGRAMME, 2020-21**

|  |  |
| --- | --- |
| Proposed amount for 9 District Hospital and 2 Sub District Hospitals | **Rs. 5.64** |
| Proposed amount for 9 Community Health Centres | **Rs. 2.93** |
| Proposed amount for 57 Primary Health Centres | **Rs. 16.03** |
| Proposed amount for 370 Sub Centres | **Rs. 22.74** |
| Proposed amount for transportation of drugs from Aizawl to District Hospitals/District stores | **Rs. 2.61** |
| Drugs for RCH | **Rs.55.47** |
| Drugs for IDCF and NDD | **Rs. 30.98** |
| **TOTAL AMOUNT PROPOSED** | **Rs. 136.43** |