

DISTRICT ROP, 2021-2022

Name of Programme/Div: NATIONAL PROGRAMME FOR PREVENTION AND CONTROL OF FLUOROSIS (NPPCF)

New FMR (as per ROP, 2021-22)	Activity/Sub-Activity (Including PM activities)	Approved Budget 2021-22		Responsible Officer of the activity			Fund allocation for State level activity			Fund allocated to Imphal			Fund allocated to Kamrup			Fund allocated to Karbi Anglong			Fund allocated to Kerangasa			Fund allocated to Nagaon			Fund allocated to Nalbari			Fund allocated to Udalguri			State Total (State HQ + Allocation for District)		Fund allocated to the District					
		Quantity/Target	Budget (Rs. Lakhs)	At State HQ level	At DPMU level	At BMAU level	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)		Fin. allocation (Rs. in lakh)	Quantity/Target	Av. Unit Cost (In lakh)	Fin. allocation (Rs. in lakh)	
																																						Quantity/Target
11.6.4	Recurring Grant-in-aid (For ongoing selected district) Medical Management including Treatment, surgery and rehab.	7	16.500	SNO	DNO			0.000	1	2.35714	2.357	1	2.35714	2.357	1	2.35714	2.357	1	2.35714	2.357	1	2.35714	2.357	1	2.35714	2.357	1	2.35714	2.357	1	2.35714	2.357	1	2.35714	2.357	7	16.500	
13.2.3	Recurring Grant-in-aid (For ongoing selected districts under NPPCF) Laboratory Diagnostic facilities	7	11.760	SNO	DNO			0.000	1	1.68	1.680	1	1.68	1.680	1	1.68	1.680	1	1.68	1.680	1	1.68	1.680	1	1.68	1.680	1	1.68	1.680	1	1.68	1.680	1	1.68	1.680	7	11.760	
11.4.11	Health Education & Publicity for National Programme for Fluorosis (State and District Level)	7	21.000	SNO/ SME	DNO/ DME		1	3.5	3.500	1	2.5	2.500	1	2.5	2.500	1	2.5	2.500	1	2.5	2.500	1	2.5	2.500	1	2.5	2.500	1	2.5	2.500	1	2.5	2.500	8	21.000			
16.1 (16.1.2.1.12)	NPPCF Coordination Meeting (Newly Selected Districts and On-going Districts)	7	2.800	SNO	DNO			0.000	1	0.4	0.400	1	0.4	0.400	1	0.4	0.400	1	0.4	0.400	1	0.4	0.400	1	0.4	0.400	1	0.4	0.400	1	0.4	0.400	1	0.4	0.400	7	2.800	
16.1(16.1.3.3.6)	Travel costs under NPPCF	7	3.500	SNO	DNO			0.000	1	0.5	0.500	1	0.5	0.500	1	0.5	0.500	1	0.5	0.500	1	0.5	0.500	1	0.5	0.500	1	0.5	0.500	1	0.5	0.500	7	3.500				
18.2.2	Fluoride rehabilitation centre	1	1.200	SNO	DNO			0.000		0.000			0.000			0.000			0.000		1	1.2	1.200			0.000			0.000			0.000			1	1.200		
18.2.3	Fluoride Nitrogen (Fluoride removal water filter)	1	2.800	SNO	DNO			0.000		0.000		1	2.8	2.800			0.000			0.000						0.000			0.000			0.000		1	2.800			
TOTAL:		37	59.560				1	3.600	5	7.437	6	10.237	5	7.437	5	7.437	6	8.637	6	7.437	5	7.437	5	7.437	5	7.437	5	7.437	5	7.437	5	7.437	38	59.560	0.000			

Deeks

**Operation Guideline under National Programme for
Prevention and Control of Fluorosis for the year 2021-22.**



**National Health Mission,
Health & F.W. Department, Govt. of Assam**

Deek

PREFACE

NATIONAL PROGRAMME FOR PREVENTION AND CONTROL OF FLUOROSIS (NPPCF)2021-22.

- A. Introduction:-** Fluorosis, a public health problem is caused by excess intake of fluoride through drinking water/ food product/ industrial pollutant over a long period of time. It's results in major health disorder. 1. Dental fluorosis (affects teeth) 2. Skeletal fluorosis (affects bones) 3. Non- skeletal fluorosis.(affects soft, non- calcified tissues). NPPCF programme is implemented in 7 nos. of districts. The name of districts are- Nagaon, Kamrup, Karbi Anglong, Nalbari, Dhubri, Karimganj & Udalguri.

Desirable limit of fluoride in water is 1 ppm(1 mg/ltr.) Age 0-12 years are more prone to affect.

SOURCES OF FLUORIDE ENTRY TO THE BODY:

1. Drinking water and food.
2. Inhalation/ingestion from industrial avenues.
3. Fluoridated dental products.

PREVENTION:

Fluorosis is a easily preventable disease through practice of interventions.

- Safe fluoride free water
- Diet supplementation.
- Supply of micro nutrient.

- B. Objectives of the Programme:** To Identify the Dental/Skeletal and non-skeletal Fluorosis patient and differentiate the pain due to Skeletal Fluorosis and other pain. Promoting Nutritious Diet, by Good foods , save drinking water and use of proper cooking method. Apart from that supplementation of multivitamins and minerals to the affected people and refer the fluorosis affected people to tertiary level(GMCH/AMCH) for treatment. Set up of a Fluoride Rehabilitation Centre in fluorosis affected districts.

C. Key priority areas:

- a) Time to time survey in the community and school survey in affected areas also in new areas.
- b) Water sample should collected from all drinking water sources of affected areas.
- c) Urine sample should be collected from all affected people, identified Dental Fluorosis from survey.
- d) Diet counselling has to be done for the affected people with help of Counsellor of RBSK/ Nutrition programme.
- e) Monthly report- The monthly report of all activities under taken alongwith the expenditure incurred at the district level should be sent by the District Nodal Officer to State Cell.
- f) Quarterly report- The quarterly report has to be sent by the District Nodal Officer in prescribed format which will be examined by the State Nodal officer and will be forwarded to the Central Fluorosis cell, Govt. of India, MOH&FW, New Delhi.
- g) The Skeletal Fluorosis patient has to be taken for further investigation and treatment at tertiary level health facilities(Medical Collage Hospitals)
- h) Submission of FMR on or before 7th day of every month. Booked the expenditure in proper FMR code.

Asks

Budget summary of RoP approval under NPPCF for the year 2021-22.

Sl. No.	New FMR Code	Activity	Total RoP approval (Rs. In lakhs)	State H.Q. Allocation (Rs. In lakhs)	District Allocation (Rs. In lakhs)	Page No.
1.	1.1.6.4	Recurring Grant –in-aid(for ongoing district) Medical Management including treatment, surgery and rehab	16.50	0.00	16.50	
2.	1.3.2.3	Recurring grant-in Aid (For ongoing selected districts under NPPCF) Laboratory Diagnostic facilities	11.76	0.00	11.76	
3.	11.13.1	Health Education & Publicity for NPPCF	21.00	3.50	17.50	
4.	16.1 (16.1.2.1.12)	NPPCF Coordination meeting (Newly selected districts and ongoing district)	2.80	0.00	2.80	
5.	16.1 (16.1.3.3.6)	Travel cost under NPPCF	3.50	0.00	3.50	
6.	18.9- 18-2-2	Fluoride rehabilitation Centre	1.20	0.00	1.20	
7.	18.10 18-2-3	Fluoride Nilogon(Fluoride removal filter)	2.80	0.00	2.80	
Total			59.56	3.50	56.06	

Ases

District wise budget summary of NPPCF as per RoP approval 2021-22.

ities	F.M.R code	FMR owner	State H.Q.	Nagoan (in lakhs)	Karbi Anglong (in lakhs)	Kamrup(R) (in lakhs)	Dhubri (in lakhs)	Nalbari (in lakhs)	Karimganj (in lakhs)	Udalguri (in lakhs)
Recurring Grant – in-aid(for ongoing district) Medical Management including treatment, surgery and rehab	1.1.6.4	SNO/ DNO	0.00	2.35714	2.35714	2.35714	2.35714	2.35714	2.35714	2.35714
Recurring grant-in-aid (For ongoing selected districts under NPPCF) Laboratory Diagnostic facilities	1.3.2.3	SNO/ DNO	0.00	1.68	1.68	1.68	1.68	1.68	1.68	1.68
Health Education & Publicity for NPPCF	11.13.1	SNO/ SME/ DNO/ DME	3.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
NPPCF Coordination meeting (Newly selected districts and ongoing district)	16.1 (16.1.2. 1.12)	SNO/ DNO	0.00	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Travel cost under NPPCF	16.1 (16.1.3. 3.6)	SNO/ DNO	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Fluoride rehabilitation Centre	18.9	SNO	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00
Fluoride Nilogon(Fluoride removal filter)	18.10	SNO	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
Total			3.50	8.63714	7.43714	10.23714	7.43714	7.43714	7.43714	7.43714

Total Budget Rs. 56.56 lakhs

Abel

NPPCF Justification 2021-22

1. New FMR Code:- 1.1.6.4

Name of the Activity: Recurring Grant –in-aid (for ongoing selected district) Medical Management including treatment, surgery and rehab.

Owner of the activity at state: SNO

Owner of the activity at District:- DNO

Owner of the activity at block:- NA

The approved amount is Rs. 16.50 lakhs.

- Medical treatment is mainly supplementation of micronutrient like Vitamins C & D, Calcium, antioxidants and treatment of malnutrition which will be get from District Drug Warehouse, NHM of respective district. The drugs which are not available under EDL can purchase from allotted fund for the districts.
- Treatment of deformity includes physiotherapy, corrective plasters, orthoses (Mobility Aids for skeletal fluorosis cases).
- The above mentioned vitamins and minerals supplementation and other treatment will be done as per district wise requirement.
- A committee must be form in district for purchase of required Micronutrient and Mobility Aids. The member of the committee should include the Joint Director of Health Services, DNO, District Consultant of NPPCF and DAM/ accounts personal of NPPCF.**
- Also suspected or confirmed Skeletal Fluorosis patient may be brought to tertiary level (Medical College Hospital) health facilities for reconstructive survey.
- The fund for the ongoing districts is approved as follows. The tentative breakup is given below.

Activity: Under this FMR we have purchased vitamin C, zinc, multivitamin etc.(which are not available under EDL, NHM, Assam) and supplied to the victims of affected areas, so that the victims can able to grow their immunity. Therefore the supplementation of above mentioned items are utmost essential. Besides under this head we have provisions to provide walking aid to the skeletal fluorosis patients.

District wise budget breakup:-

Activities	Nagoan (Rs. in lakhs)	Karbi Anglong (Rs. in lakhs)	Kamrup (R) (Rs. in lakhs)	Nalbari (Rs. in lakhs)	Dhubri (Rs. in lakhs)	Karimganj (Rs. in lakhs)	Udalguri (Rs. in lakhs)
Recurring Grant –in-aid(for ongoing district) Medical Management including treatment, surgery and rehab	2.35714	2.35714	2.35714	2.35714	2.35714	2.35714	2.35714

Abels

2. New FMR Code:- 1.3.2.3

Name of the Activity: Recurring grant-in Aid (For ongoing selected districts under NPPCF)
Laboratory Diagnostic facilities.

Owner of the activity at state: SNO

Owner of the activity at District:- DNO

Owner of the activity at block:- NA

The approved amount is Rs. 11.76 lakhs.

- An amount of **Rs. 1.68 lakhs** each for 7 nos. of ongoing districts i.e. Karbi Anglong, Kamrup(R), Nagaon, Dhubri, Nalbari, Karimganj & Udalguri District.
- The fund will be utilized for the strengthening of laboratory diagnostic facilities in district hospitals for early detection and confirmation of fluorosis cases.
- Purchase of Lab equipment.
- Purchase of required chemicals and consumables for testing of water and urine samples in all 7 nos. of district.

Activity:- In this FMR we have purchased reagent and lab consumable for smooth running of the programme.

District wise budget breakup:-

Activities	Nagoan (Rs. in lakhs)	Karbi Anglong (Rs. in lakhs)	Kamrup (R) (Rs. in lakhs)	Nalbari (Rs. in lakhs)	Dhubri (Rs. in lakhs)	Karimganj (Rs. in lakhs)	Udalguri (Rs. in lakhs)
Recurring grant-in Aid (For ongoing selected districts under NPPCF) Laboratory Diagnostic facilities	1.68	1.68	1.68	1.68	1.68	1.68	1.68

3. New FMR Code:- 11.4.11

Name of the Activity: Health Education & Publicity for National Programme for Fluorosis (State and District Level)

Owner of the activity at state: SNO

Owner of the activity at District:- DNO

Owner of the activity at block:- NA

The approved amount is Rs. 21.00 lakhs.

Activity:- The IEC programme are proposed to create mass awareness among the population of affected areas.

- Approved amount is Rs. 21.00 lakhs, 2.50 lakhs per district for 7 nos. of districts and 3.50 lakhs for State H.Q.
- Printing of IEC materials, display of hoardings etc. in the affected areas.
- Awareness programme at the affected areas.
- Focus Group discussion/ interaction with the affected people.
- An amount of Rs. 3.00 lakhs is kept for State level IEC such as preparation of hoardings, advertisement, awareness programme, review cum sensitization meeting etc.

Abels

Budget breakup:-

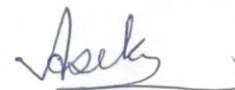
Activities	State H.Q.	Nagoan (Rs. in lakhs)	Karbi angling (Rs. in lakhs)	Kamrup (R) (Rs. in lakhs)	Nalbari (Rs. in lakhs)	Dhubri (Rs. in lakhs)	Karimganj (Rs. in lakhs)	Udalguri (Rs. in lakhs)
Health Education & Publicity for National Programme for Fluorosis (State and District Level)	3.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50

A. State level IEC

Sl. No.	Activities	Amount	
1.	Awareness programme cum review meeting for NPPCF district cells at state level.	1.20	By State NPPCF Cell to maintain the scientific uniformity for mitigation of Fluorosis.
2.	Advertisement (Miking/ Canopy/ Print Media/ Hoardings etc.) in state level convention like health mela.	0.30	
3.	Printing of IEC materials/ Training module/ Awareness/	2.00	

B. District level IEC

Sl. No.	Activities per district	Amount	
1.	Awareness programme as per district wise plan (street play, school programme/ other awareness programme with NGO's etc.)	Rs. 1.00lakhs	5 nos. Street play @ 6000/- x 5= Rs. 30,000/- School Programme/ Other awareness programme = 10 nos. x @ 7000/- = Rs. 70,000/-
2.	Focus Group discussion at affected area @1000/- per discussion total 20 nos. of discussion should be held	Rs. 0.20 lakhs	DNO/ DSC NPPCF
3.	Printing of IEC materials (leaflets/ Booklets, Poster , Health corner board in the school etc.)	Rs. 1.30 lakhs	DNO/DME

Total budget (A+B)= Rs. 21.00 lakhs


4. New FMR Code:- 16.1 (16.1.2.1.12)

Name of the Activity: NPPCF Coordination Meeting (Newly Selected District and On-going Districts)

Owner of the activity at state: SNO

Owner of the activity at District:- DNO

Owner of the activity at block:- NA

The approved amount is Rs. 2.80 lakhs.

Activity:- The NPPCF programme is associated with the other departments like PHED, Education, P&RD, NGOs etc. so without coordination with the line departments we are not able to full fill our motto. So, coordination meeting is essential to get achievement of the programme.

- The approved amount is Rs. 2.80 lakhs, 0.40 lakhs per district for 7 nos. of districts.
- Coordination meeting should be held with the PHED Department, Social Welfare, Health, Education and NGO's and must be done filed visit by co-ordination team. The meeting must be conduct in a year under the chairmanship Deputy Commissioner.

District wise budget breakup:-

Activities	Nagoan (Rs. in lakhs)	Karbi Anglong (Rs. in lakhs)	Kamrup (R) (Rs. in lakhs)	Nalbari (Rs. in lakhs)	Dhubri (Rs. in lakhs)	Karimganj (Rs. in lakhs)	Udalguri (Rs. in lakhs)
NPPCF Coordination meeting (Newly selected districts and ongoing district)	0.40	0.40	0.40	0.40	0.40	0.40	0.40

Breakup per programme:

Sl. No.	Items	Unit	Unit cost	Period	Total
1.	Training Materials	30	100	1	3000.00
2.	Lunch and Tea	35	250	1	7500.00
3.	Banner	2	500	1	1000.00
4.	Hiring Sound System, LCD/ Hall Rent etc.	1	7000	1	8000.00
5.	T.A./ D.A.	30	500	1	15000.00
6.	Resource Person	2	500	1	1000.00
7.	Contingencies	1	5000	1	4500.00
Total					40,000.00

Asels

5. New FMR Code:- 16.1 (16.1.3.3.6)

Name of the Activity: Travel cost under NPPCF

Owner of the activity at state: SNO

Owner of the activity at District:- DNO

Owner of the activity at block:- NA

The approved amount is Rs. 3.50 lakhs.

Activity:- The DNOs, District Consultants, Lab. Techs have need to visit the field very frequently for collection of urine and water samples and also for the monitoring of the programme. They have also need to visit state H.Q. and some time also need to go for Training to outside of Assam. Therefore, travel cost is essential for the districts.

a) The total approved amount is Rs. 3.50 lakhs. An amount of Rs. 0.50 lakhs for 7 nos. of district.

b) The travel cost is approved mainly to travel from District H.Q. to different affected areas.

c) The travel cost is also approved for survey in community and school in affected area, collection of water sample, collection of urine sample, visit to the state NPPCF cell etc.

d) The survey has to be conducted with the help of existing field workers (ANM's/MPW's) and with RBSK/ RKSA team after training on NPPCF about sign & symptoms of fluorosis and must be collect drinking water supply for testing in PHED Laboratory.

District wise budget breakup:-

Activities	Nagoan (Rs. in lakhs)	Karbi angling (Rs. in lakhs)	Kamrup (R) (Rs. in lakhs)	Nalbari (Rs. in lakhs)	Dhubri (Rs. in lakhs)	Karimganj (Rs. in lakhs)	Udalguri (Rs. in lakhs)
Travel cost under NPPCF	0.50	0.50	0.50	0.50	0.50	0.50	0.50

6. New FMR Code:- 18.2.2

Name of the Activity: Fluoride rehabilitation centre

Owner of the activity at state: SNO

Owner of the activity at District:- DNO

Owner of the activity at block:- NA

The approved amount is Rs. 1.20 lakhs.

Activity:- This programme was started in 2020-21 at Nagaon district. So for the setup of the FRC and purchase of chemicals and consumables an amount of Rs. 1.20 lakhs has approved.

1. As it is adjacent with Hojai district. The affected people of the both the district can take service from FRC, Nagaon because both the districts have Skeletal Fluorosis patients. The FRC has to be set up with existing staffs and equipment of Civil hospital of Nagaon District.

2. The FRC will be included Physiotherapy of the patients Nutrition Education, Blood serum testing, X-ray, Nutrition Supplementation etc.

Training of Doctors /staffs

= (from Training Head)

Equipments + Reagents, Glassware other contingencies

= 1.20 lakhs.

Furniture, (cost of bringing the SF patient to the FRC)

= (Existing facilities)

Digital X-ray

= Rs.1.20 lakhs

Apelk

The required equipments and other items may be used from existing facility.

3. DNO is requested to coordinate with INREM foundation (NGO) as they have experience regarding set up of FRC and they can also create awareness among people regarding FRC because they are also working for the fluorosis affected population in Nagaon.

District wise budget breakup:-

Activities	Nagoan (Rs. in lakhs)
Fluoride rehabilitation centre	1.20

7. New FMR Code:- 18.2.3

Name of the Activity: Fluoride Nilogon (Fluoride removal water filter)

Owner of the activity at state: SNO

Owner of the activity at District:- DNO

Owner of the activity at block:- NA

The approved amount is Rs. 2.80 lakhs.

Activity:- Fluoride Nilogon is fluoride removal water filter we have plan to give 200 nos. of house hold in Kamrup Rural district. The total Fluorosis affected population is 17000 nos. and has 1000 nos. affected household. There is no alternative sources of water in these pockets. Initially we have planned for 200 nos. of household. Rs. 1400/- x 200 nos.= **Rs. 2.80 lakhs.**

District wise budget breakup:-

Activities	Kamrup (R) (Rs. in lakhs)
Water filter cost.	2.80 (1400 x 200 nos)

1. This amount is given to set up a 200 nos. of Fluoride Nilogon(Fluoride removal filter) at Kamrup(R) District.

2. As alternative sources of water are not available at Kamrup(R) district.

Fluoride Nilogon is a fluoride removal water filter developed by chemical science department Tezpur University. Presently in collaboration with Tezpur University we have adopted this filter in Karbi Anglong district by own expenditure of the victims. Recently the Karbi Anglong Autonomous district council has given this filter approximately 6000 households in collaboration with Art of living. In the year 2020-21, we have adopted 500nos of Fluoride Nilogon at Karimganj district.

By observing the positive result of this filter it is planned to provide the Fluoride Nilogon filters to 200 nos. of house hold at Kamrup(R) district .

The Estimate cost per filter is Rs. 1400/-.(for 100 liters of capacity).

DNO and Consultant of NPPCF is requested to contact with Chemical Science Department of Tezpur University and also requested to coordinate with CCI, Bokajan, Karbi Anglong for lime stone. DNO may take help of any trained NGO(trained on installation and use of Fluoride Nilogon) for purchase, coordinate and installation of filter at selected household.

Grand total Activity budget = Rs. 59.56 lakhs.

Debes