



# State level Consultative Meeting On Operationalization of FRU

Department of Health & Family Welfare  
Govt. of Orissa

## Context of FRU

- Reduction in maternal mortality rate stated goal for
  - National Population Policy,
  - National Health Policy and
  - Tenth Five Year Plan and
  - also one of the Millennium Development Goals (MDG)
- In this context Child Survival and Safe Motherhood (CSSM) Programme were initiated in 1992.
- Objective:
  - upgrading the existing community health centers and sub-district hospitals into First Referral Units (FRUs), to be equipped for providing delivery of emergency obstetric care to pregnant women with complications.

# WHY FRU?

## Maternal Mortality Rate

- » SRS-1998 : 367 (India: 407)
- » SRS-2003 : 358 (India: 301)

## Infant Mortality Rate (I.M.R.)

- » SRS-2003 : 83
- » SRS-2006 : 73

## FRU... Concept

To reduce Maternal Mortality and Morbidity by providing :

- Maternal & Child health care
- improving Emergency Basic Medical Obstetric Care
- including Ante-natal Care,
- Safe/Institutional Deliveries,
- Post-natal Care and
- New born care
- family planning services (unmet needs),

## Criteria of FRU

1. A minimum bed strength of 20-30. In difficult areas (un / underserved ) of EAG States it could be relaxed to 10-12
2. *\*A fully functional operation theatre, equipped for undertaking anaesthetic and emergency surgical procedures including Caesarian Sections and laparotomies.*
3. A fully operational Labour room
4. *\*An area earmarked and equipped for New – born care in the labour room and also in the ward.*
5. A functional laboratory with facilities for all essential investigations
6. *\*Blood storage facility as per Govt. of India Guidelines.*
7. 24 hours water supply
8. Arrangements for waste disposal
9. Regular electricity supply with back-up arrangements.
10. Telephone connection
11. Ambulance service (Own or arranged through local hiring).

Important Note : It may be noted that in EAG States District and Sub District Hospitals may be considered as FRU

# Process of Selection of FRU

- State Level Team Formation
- Workshop at State Level
- Workshop at Zonal Level
- Exercise for selection of Institution based on critical indicators at zonal workshop.
- Data compilation by the team members.
- Data analysis.

# Criteria for Gradation of FRU

## Critical Parameters

- Availability of specialist manpower for CEmOC i.e Anesthesia spl, O&G with, Functional labour room and OT
- Pediatrician and new born care corner.
- Blood Bank / Blood Storage.

## Category 1:

**Institutions which have all critical parameter to act as fully operational FRU.**

## Category 2:

**Institution which have only one critical facility gap out of above parameters.**

## Category 3:

**Institution which have maximum 2 critical facility gaps of above parameters**

## Category 4:

**Institution which have more than 2 critical facility gaps of above parameters.**

## Status of FRU

Category	No. of institutions selected
1	22
2	44
3	50
4	24
Total	140

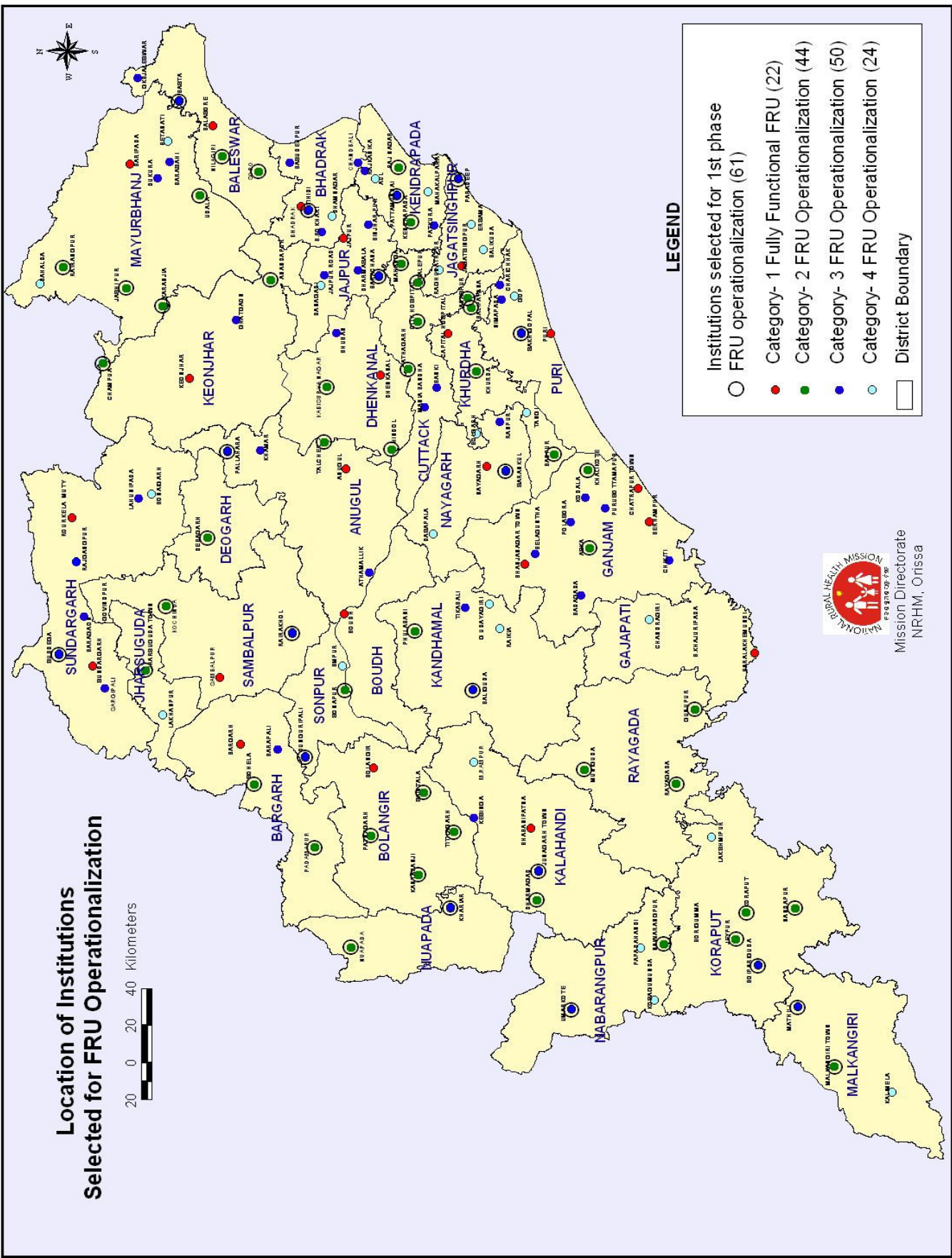
## Status of FRU: District wise Number of Institutions Selected for FRU Operationalization

Districtwise Number of FRU Selected for Operationalization		
S.no	District	No. of FRU Selected
1	Angul	5
2	Balasore	5
3	Baragarh	4
4	Bhadrak	6
5	Bolangir	5
6	Boudh	1
7	Cuttack	7
8	Deogarh	1
9	Dhenkanal	4
10	Gajapati	2
11	Ganjam	11
12	Jagatsinghpur	5
13	Jajpur	6
14	Jharsuguda	2
15	Kalahandi	5

Districtwise Number of FRU Selected for Operationalization		
S.no	District	No. of FRU Selected
16	Kandhamal	5
17	Kendrapara	7
18	Keonjhar	4
19	Khurda	6
20	Koraput	5
21	Malkangiri	3
22	Mayurbhanj	9
23	Nabarangpur	4
24	Nayagarh	4
25	Nuapada	2
26	Puri	5
27	Rayagada	3
28	Sambalpur	3
29	Subarnapur	3
30	Sundargarh	8
	<b>Total</b>	<b>140</b>

# Location of Institutions Selected for FRU Operationalization

20 0 20 40 Kilometers



Mission Directorate  
NRHM, Orissa

# Status of FRU Category-1

S.no	District	Name & Address of the facility
1	Angul	DHH, Angul
2	Balasore	DHH Balasore
3	Baragarh	DHH, Bargarh
4	Bhadrak	DHH, Bhadrak
5	Bolangir	DHH Bolangir
6	Boudh	DHH, Boudh
7	Dhenkanal	DHH Dhenkanal
8	Gajapati	DHH Paralakhemundi
9	Ganjam	Berhampur DHH
10	Ganjam	Bhanjanagar SDH
11	Ganjam	Chatrapur SDH
12	Jagatsinghpur	Jagatsinghpur DHH
13	Jajpur	Jajpur DHH
14	Kalahandi	DHH Bhawanipatna
15	Keonjhar	DHH Keonjhar
16	Mayurbhanj	Baripada DHH
17	Nayagarh	DHH-Nayagarh
18	Puri	DHH-Puri
19	Sambalpur	DHH, Sambalpur
20	Sundargah	DHH, Sundargarh
21	Khurda	Capital Hospital
22	Sundargah	RGH, Rourkela

# Category-2

## Status of FRU

S.no	District	Name & Address of the facility
1	Angul	SDH, Talcher
2	Balasore	SDH Nilgiri
3	Balasore	Soro CHC
4	Baragarh	SDH, Padampur
5	Baragarh	CHC, Sohela
6	Bolangir	SDH Patnagarh
7	Bolangir	SDH Titlagarh
8	Bolangir	CHC Kantabanji
9	Bolangir	CHC Sain тала
10	Cuttack	Adaspur
11	Cuttack	Mahanga
12	Cuttack	Salepur
13	Cuttack	SDH Athagarh
14	Cuttack	City Hospital DHH
15	Deogarh	DHH, Deogarh
16	Dhenkanal	Hindol SDH
17	Dhenkanal	K. Nagar SDH
18	Ganjam	AH Aska
19	Ganjam	Khalikote CHC
20	Jharsuguda	DHH, Jharsuguda
21	Kalahandi	SDH, Dharmagarh
22	Kandhamal	DHH Hospital

23	Kendrapara	Kendrapara DHH
24	Kendrapara	Rajnagar CHC
25	Keonjhar	SDH Anandpur
26	Keonjhar	SDH Champua
27	Khurda	DHH Khurda
28	Khurda	Balipatana
29	Khurda	Banapur
30	Koraput	DHH Koraput
31	Koraput	SDH Jeypore
32	Koraput	CHC Nandapur
33	Malkangiri	Malkangiri DHH
34	Mayurbhanj	SDH, Rairangpur
35	Mayurbhanj	SDH, Karanjia
36	Mayurbhanj	SDH, Udala
37	Mayurbhanj	CHC, Jashipur
38	Nabarangapur	Nabarangapur DHH
39	Nuapada	DHH, Nuapada
40	Rayagada	Rayagada DHH
41	Rayagada	Gunupur SDH
42	Rayagada	Muniguda CHC
43	Sambalpur	SDH, Kuchinda
44	Sonepur	DHH, Subarnapur

## Status of FRU

### Category-3

S.No	District	Name & Address Of The Facility
1	Angul	SDH, Pallahara
2	Angul	UGPHC Khamar
3	Angul	CHC Athamalik
4	Balasore	Basta CHC
5	Balasore	Area Hospital GKB
6	Baragarh	CHC, Barpali
7	Bhadrak	Basudevpur CHC
8	Bhadrak	Chandabali CHC
9	Bhadrak	Tihidi CHC
10	Bhadrak	B.Pokhari CHC
11	Cuttack	Maniabandha
12	Cuttack	SDH Banki
13	Dhenkanal	Bhuban Area Hospital
14	Ganjam	Kodala CHC
15	Ganjam	Belaguntha CHC
16	Ganjam	Chikiti CHC
17	Ganjam	Polasora CHC
18	Ganjam	Badagada CHC
19	Ganjam	Purusottampur CHC
20	Jagatsinghpur	AH Paradeep
21	Jajpur	CHC Dharmasala
22	Jajpur	CHC Binjharpur
23	Jajpur	AH Jajpur Road
24	Jajpur	CHC Barchana
25	Kalahandi	CHC, Junagarh
26	Kalahandi	AH Kesinga

S.No	District	Name & Address Of The Facility
27	Kandhamal	SDH Baliguda
28	Kandhamal	Tikabali
29	Kendrapara	Rajkanika CHC
30	Kendrapara	Pattamundai UGPHC
31	Kendrapara	Patkura UGPHC
32	Keonjhar	UGPHC Ghatagaon
33	Koraput	CHC Boipariguda
34	Malkangiri	Mathili CHC
35	Mayurbhanj	CHC, Badashi
36	Mayurbhanj	CHC, Dukura
37	Nabarangapur	AH Umerkote
38	Nayagarh	AH-Ranpur
39	Nayagarh	CHC-Sarankul
40	Nuapada	UGPHC, Khariar
41	Puri	Charichhak-UGPHC
42	Puri	Sakhigopl -AH
43	Puri	Nimapara-AH
44	Sambalpur	CHC, Raikhol
45	Sonepur	CHC, Dungleipali
46	Sundargarh	CHC, Lahuniipara
47	Sundargarh	CHC, Bargaon
48	Sundargarh	CHC, Sargipalli
49	Sundargarh	UGPHC, Subdega
50	Sundargarh	AH, Rajgangpur

## Status of FRU

# Category-4

S.No	District	Name & Address Of The Facility
1	Bhadrak	Dhamanagar CHC
2	Gajapati	AH Chandragiri
3	Jagatsinghpur	UGPHC Balikuda
4	Jagatsinghpur	CHC Raghunathpur
5	Jagatsinghpur	CHC Ersama
6	Jajpur	CHC Danagadi
7	Jharsuguda	CHC, Lakhapur
8	Kalahandi	CHC, M. Rampur
9	Kandhamal	G. Udaygiri CHC-I
10	Kandhamal	CHC-II Raikia
11	Kendrapara	Aul UGPHC
12	Kendrapara	Mahakalpara CHC
13	Khurda	Tangi
14	Khurda	Bolagarh
15	Koraput	UGPHC Laxmipur
16	Malkangiri	Kalimela UGPHC
17	Mayurbhanj	CHC, Bahalda
18	Mayurbhanj	CHC, Betanati
19	Nabarangapur	CHC Kosagumunda
20	Nabarangapur	CHC Papadahandi
21	Nayagarh	AH-Dasapalla
22	Puri	Gop-CHC
23	Sonepur	UGPHC, B.M Pur
24	Sundargarh	SDH, Banaigarh

# Requirement in FRU

1. HR Requirement
2. Blood Storage/Bank
3. Training
  - Anaesthesia
  - EMOC
  - Blood Storage
4. Ambulance

Summarized List of Requirements for Operationalization of FRU

S.no	Particulars of Requirement	No. of Health units not having the requirement				Total Requirement
		1	2	3	4	
1	O&G Specialist	0	0	4	13	17
2	Anaesthetist	0	40	50	24	114
3	Paediatrician	0	4	12	16	32
4	Blood Storage	0	9(not installed)	31+1=32	18+2=20	59

## **Blood Bank and Blood Storage Status in FRU**

- Blood Bank (BB) Available: 50
- Blood Storage Unit (BSU) Available: 54
- Blood Bank and Blood Storage not available :36
- Out of 61 institutions which has been targeted for FRU Operationalisation for the year 2008-09.
  - In 26 institutions BB is functional.
  - In 39 institutions have been provided BSU but not yet installed.
  - In rest 6 institutions BSU need to be supplied.

## **Analysis and major findings:**

Based on analysis of collected qualitative and quantitative data we find the followings-

- Total 140 health institutions could be considered for up gradation as FRU by 2011 as per critical indicators of Govt. of India.
- Out of 140 identified health institutions, total 22 District and sub-divisional hospitals are functioning as fully functional FRUs, which can be declared by Govt. of Orissa notification immediately.
- Out of 140 institutions, 115 institutions (82.2%) do not have Anaesthesia specialists. 33 institutions (24.11%) require Paediatrician and 17 institutions (12.0%) require OG specialists.
- Out of 140 identified FRUs, 53 institutions have blood bank, 51 have been supplied with blood storage unit, which require proper installation. Rest 37 institutions (26.2%) require blood storage unit.
- Out of 140 institutions, 88(62.4%) institutions do not have sanction post of Anaesthesia and 01 institution requires sanctioned post of Paediatrician.
- Frequent transfer of trained medical and paramedical personnel is an obstacle to functionalise FRU.



## **Operational plan of FRUs:**

**Phase-1:** Out 140 identified health institutions 22 institutions which are fully functional as FRU may immediately notified by Govt. of Orissa.

**Phase-2:** Another 61 will be operationalised during Fy 08-09. Since 22 Asst- surgeons are already trained on Anesthesia and another 39 will be trained on Anaesthesia during 08-09. Govt. of Orissa needs to transfer the trained Asst. surgeon at FRU, once they complete the final examination.

**Phase-3:** During 09-10 another 40 Asst. surgeon will be trained on Anaesthesia. So we can operationalize another 40 institutions as FRUs during Fy 09-10 (**Annex-IV**).

**Phase-4:** Rest 18 FRUs will be operationalised during Fy 10-11(**Annex-V**) through training of Asst.Surgeon on Anaesthesia.

## **Recommendation / Suggestion**

- Category 1 and Category 2 and 17 Institutions of Category 3 will be fully operational during 2008-09.
- 22 institutions to be notified as FRU.
- Transfer of specialist O&G, specialist Paediatrics, specialist anesthesia should not be done. If required on administrative point of view then should be made within 22 and 61 institutions as the case may be.
- Trained MBBS Doctors on EmOC (12) and Anaesthesia (22) need to be posted in FRUs. A tentative proposal is attached.
- Post of vacant Paediatric posts need to be filled in by transferring 1 where two number of pediatrics are present.
- Advertisement need to be made to get willing MBBS Doctors for Anaesthesia and EmOC training.

## **Recommendation / Suggestion cont...**

- To fill-up vacant paediatric position, short term training on paediatrics may be initiated for MBBS Doctors.
- Required steps may be taken immediately to provide / renewal of license to the Blood banks/storage units .
- Out of 61 FRUs to be functional this year only 26 have functional Blood banks. These 26 to be preferred on priority basis for manpower provision.
- Provision need to be made for residential quarters of Medical and Paramedical staff.
- PG seats in anaesthesia and Paediatric may be enhanced for in service doctors.
- Private Medical colleges need to be included for anaesthesia training.

**Micro Plan For 61 Health Institution  
To Be Operationalized  
During 08-09**



**Institutions selected for operationalization during 08-09**

S.NO	DISTRICT	INSTITUTION	Category
1	Cuttack	City Hospital DHH	DHH
2	Deogarh	DHH, Deogarh	DHH
3	Jharsuguda	DHH, Jharsuguda	DHH
4	Kandhamal	DHH Phulbani	DHH
5	Kendrapara	DHH Kendrapara	DHH
6	Khurda	DHH Khurda	DHH
7	Koraput	DHH Koraput	DHH
8	Malkangiri	DHH Malkangiri	DHH
9	Nabarangapur	DHH Nabarangapur	DHH
10	Nuapada	DHH, Khariar	DHH
11	Rayagada	DHH Rayagada	DHH
12	Sonepur	DHH, Subarnapur	DHH
13	Angul	SDH, Talcher	SDH
14	Balasore	SDH Nilgiri	SDH
15	Baragarh	SDH, Padampur	SDH
16	Bolangir	SDH Patnagarh	SDH
17	Bolangir	SDH Titlagarh	SDH
18	Cuttack	SDH Athagarh	SDH
19	Dhenkanal	SDH Hindol	SDH
20	Dhenkanal	SDH K. Nagar	SDH
21	Kalahandi	SDH, Dharmagarh	SDH
22	Keonjhar	SDH Champua	SDH
23	Keonjhar	SDH Anandpur	SDH
24	Koraput	SDH Jeypore	SDH

25	Mayurbhanj	SDH, Karanjia	SDH
26	Mayurbhanj	SDH, Udala	SDH
27	Mayurbhanj	SDH, Rairangpur	SDH
28	Rayagada	SDH Gunupur	SDH
29	Sambalpur	SDH, Kuchinda	SDH
30	Angul	SDH, Pallahara	SDH
31	Kandhamal	SDH Baliguda	SDH
32	Cuttack	UGPHC Adaspur	UGPHC
33	Ganjam	AH Aska	AH
34	Balasore	CHC Soro	CHC
35	Baragarh	CHC, Sohela	CHC
36	Bolangir	CHC Saintala	CHC
37	Bolangir	CHC Kantabanji	CHC
38	Cuttack	CHC Salepur	CHC
39	Cuttack	CHC Mahanga	CHC
40	Ganjam	Khalkote CHC	CHC
41	Kendrapara	CHC Rajnagar	CHC
42	Khurda	CHC Banapur	CHC
43	Khurda	CHC Balipatana	CHC
44	Koraput	CHC Nandapur	CHC
45	Mayurbhanj	CHC, Jashipur	CHC
46	Rayagada	CHC Muniguda	CHC
47	Kendrapara	UGPHC Pattamundai	UGPHC
48	Nuapada	UGPHC, Khariar	UGPHC
49	Sundargarh	UPHC, Subdega	UGPHC
50	Puri	AH Sakhigopli	AH

51	Nabarangapur	AH Umerkote	AH
52	Jagatsinghpur	AH Paradeep	AH
53	Balasore	CHC Basta	CHC
54	Bhadrak	Tihidi CHC	CHC
55	Sambalpur	CHC, Rairkhol	CHC
56	Kalahandi	CHC, Junagarh	CHC
57	Koraput	CHC Boipariguda	CHC
58	Malkangiri	CHC Mathili	CHC
59	Nayagarh	CHC-Sarankul	CHC
60	Jajpur	CHC Barchana	CHC
61	Sonepur	CHC, Dunguripali	CHC

## Manpower Requirement for 61 institutions

S.no	Particulars of Requirement	No. of Institutions
1	O&G Specialist	2
2	Anaesthetist	57
3	Paediatrician	7
4	Blood Storage	35



**Thank You**