

Approval Proceedings of ECRP-II of Kerala (F.No. Z.15015/48/2021-NHM-I)

F.No.Z.15015/48/2021-NHM-I
Government of India
Ministry of Health & Family Welfare
(National Health Mission)

Nirman Bhawan, New Delhi
Dated the 13th August 2021

To

Dr. Ratan Khelkar
Mission Director (NHM),
Department of (H&FW) Government of Kerala,
General Hospital Jn., Thiruvananthapuram-695035 Kerala

Subject: Approval of Proposals under Emergency COVID Response Package: Phase-II (ECRP-II) for the State of Kerala for implementation from 01.07.2021 to 31.03.2022 – reg.

Sir,

This is with reference to the proposals for ECRP-II for FY 2021-22 under COVID-19 Emergency Response and Health System Preparedness Package: Phase-II submitted by the State of Kerala vide letter No. NHM/No. NHM/3668/F1/2021/SPMSU dated 26th July 2021 and subsequent updated proposal submitted vide letter No. NHM/3668/F1/2021/SPMSU dated 3rd August, 2021 for an amount of Rs. 289.82 crore. Detailed appraisal of the proposal has been conducted on 3rd August, 2021.

2. The Resource Envelope of the State under COVID-19 Emergency Response and Health System Preparedness Package: Phase-II, as communicated to the State vide letter D.O. No.7 (32)/NHM-I/2021 dated 14th July 2021 is given below:

(Rs. in Crores)

State	Central Share	Matching State Share	Resource Envelope under ECRP-II
Kerala	173.89	115.93	289.82

3. Against a Resource Envelope of **Rs.289.82 Crore** (calculated with State Share of 40%) as conveyed vide Secretary (H&FW)'s letter dated 14th July 2021, approval of the competent authority

is hereby conveyed to the State of Kerala for an amount of **Rs. 267.35 Crore** under COVID-19 Emergency Response and Health System Preparedness Package: Phase-II for implementation from 01.07.2021 to 31.03.2022 subject to the following conditions: -

- 3.1 All the conditionalities outlined under the Guidance Note for Emergency COVID Response Package-II (ECRP-II) dated 14th July 2021 are applicable to ECRP-II approvals for FY 21-22.
- 3.2 All the approved activities are to be completed well before 31st March 2022.
- 3.2 The State must ensure that the funds approved under ECRP-II are used ONLY for the activities indicated and under no circumstances, they should be utilized for any other activity.
- 3.3 Monthly financial reports to be submitted to MoHFW in the pre-defined FMR codes.
- 3.4 While the focus is on combating the current emergency, the larger goal of strengthening the Public Health system for epidemic preparedness should also be kept in mind while implementing the ECRP-II. Hence, such activities may be prioritized that not only facilitate effective COVID-19 response but also strengthen public health facilities to respond to any similar outbreaks in future.
- 3.5 Funds under ECRP-II would be released in instalments. In order to ensure implementation of critical activities at the State/District levels to prepare the public healthcare system in response to the evolving pandemic, 15% of the Central Share of Resource Envelope of the State/UT, has been released in advance to the State on 22nd July 2021.
- 3.6 The State share, applicable as per NHM norms and as indicated in Table at Para 2 above, is to be released by the State at the earliest for effective completion of all the approved activities.
- 3.7 The funds under ECRP-II will flow from MoHFW to the State Treasury and from the State Treasury to the State Health Society (SHS). The SHS will also receive the corresponding State Share and then would spend the necessary funds as per detailed activities of ECRP-II approved and enclosed in Annexure-I. Because of urgency of the situation, it is expected that the State Government would transfer



the funds under ECRP-II to SHS within 7 working days from the date of release of allocation from the Central Government.

3.8 The Department of Expenditure has concurred with the proposal of DoHFW by way of a special dispensation, granting exemption from O.M. F.No.1(13)/PFMS/FCD/2020 dated 23.03.2021 of Department of Expenditure till 31.03.2022 for implementation of the revised CSS procedure pertaining to release of funds under CSS in this ECRP Phase-II scheme, on the special ground of emergency COVID-19 related expenditure (copy enclosed). The State/UT may take note of the same.

3.9 The State must ensure that there is no duplication in the proposals sent for approval under ECRP-II with other schemes/initiatives of the Govt. of India & State Governments and a certificate to this effect must be provided by the State/UT, while submitting the Utilization Certificate of the first instalment. For receiving the next tranche of ECRP-II funds, following mandatory conditions would need to be ensured.

- a. The State must ensure physical and financial progress reporting in the NHM-Progress Monitoring System (IT-enabled Dashboard) on a monthly basis.
- b. Timely updating of this dashboard is a mandatory criterion for release of next tranche of fund under ECRP-II.

3.10 Procurement Norms: The funds released under this package shall be utilized, duly following the mandatory conditions pertaining to procurement as mentioned below:-

- a. Efforts should be made to ensure that there is no duplication in procurement being done by various agencies at the State level.
- b. All procurements should be undertaken through GeM using the resources under ECRP-II and this is a mandatory condition that the States/UTs would need to adhere to.
- c. Wherever exceptions are to be made on this condition, the same can be taken up in exceptional circumstances, with the concurrence of AS&FA of MoHFW and



after an appraisal of the State's proposal regarding the same and as assessment of the States capabilities to undertake this procurement through other robust mechanisms and institutions.

- 3.11 Monitoring and Reporting/ Dashboard: The State will send the progress reports on both physical and financial progress against the approved plan on monthly basis by 7th of each month (besides updating in the Portal being created for ECRP-II) to the Ministry of Health and Family Welfare, Govt. of India.
- 3.12 Audit: The general process of annual audit undertaken by the Chartered Accountant (CA) under NHM for its programmes will also be applicable to ECRP-II and the audit report should have a separate chapter on ECRP-II. The State must ensure that the conditions laid down in Funds Release Order(s) issued by MoHFW under the COVID Package-II should be complied with.
- 3.13 Human Resource: Under ECRP-II, support is available only for engagement of Human Resources for Health such as PG Residents, MBBS interns, MBBS final year students, final year nursing students and final year GNM students. Accordingly, approval has been given for engagement of PG Residents, MBBS interns, MBBS final year students, final year nursing students and final year GNM students in the dedicated budget lines (S-3.1 to S-3.5) for HRH as per State's proposal. Other than the HRH approved in the dedicated FMR codes (S-3.1 to S-3.5), no other HRH or salary for HR is permitted under ECRP-II. All the temporary posts approved under ECRP-II are only for a maximum period of 9 months (1st July 2021 to 31st March 2022). Engagement of this HR for this period does not entitle them to claim for continued employment through NHM resources. Approval given for engagement of specific HR such as UG Interns, PG Residents, Final MBBS, BSc Nursing and GNM Students may be utilized as and when required only.
- 3.14 Similarly, approval given for augmenting additional fleets of ambulances may be utilized for the periods of requirements only.



4. As per discussions held during the appraisal meeting, **Emergency COVID Response Plan (ECRP) Phase II: Summary Sheet** are given below:

(Rs. in lakhs)

FMR	Activity / Item of expenditure	Budget Proposed	Budget Approved
	Grand Total	28982.00	26735.33
S.1	COVID essential Diagnostics and Drugs	7803.38	7803.38
S.1.1	Provision for RAT and RT-PCR tests	6253.38	6253.38
S.1.2	Lab Strengthening for RT-PCR (only for 327 District Public Health Labs / districts not having the RT-PCR Lab in public health system)	150	150
S.1.3	Essential drugs for COVID19 management	1400	1400
S.2	Ramping up Health Infrastructure with focus on Paediatric care units	13314.65	11067.98
S.2.1	Establishing dedicated Paediatric care units	6107.00	4104.03
S.2.2	Establishing Paediatric CoEs at Medical Colleges/ State Hospital/ Central Government Hospital	1000	790
S.2.3	Establishing additional Beds by provision of Prefab Units closer to the community	0	0
S.2.4	ICU beds in public healthcare facilities including 20% paediatric ICU beds	3555.35	3521.65
S.2.5	Field Hospitals (50/ 100 bedded)	1532.3	1532.3
S.2.6	Referral transport	0	0
S.2.7	Support for Liquid Medical Oxygen (LMO) tank (with MGPS) including site preparedness and installation cost	1120	1120
S.3	Enhancement of Human Resources for Health	5403.44	5403.44
S.3.1	Medical PG Interns	0	0
S.3.2	Medical UG Interns	880.00	880.00
S.3.3	Final year MBBS students	880.00	880.00
S.3.4	Final Year GNM Nursing students	1778.88	1778.88
S.3.5	Final Year B.Sc. Nursing students	1864.56	1864.56
S.4	IT Interventions - Hospital Management Information System and Tele- Consultations		
S.4.1	Hospital Management Information System (HMIS)	1499.23	1499.23
S.4.2	Strengthening the Telemedicine/ Tele-consultation Hubs	815.78	815.78
S.8	Capacity Building and Training for ECRP II components	145.52	145.52

The detailed proposals and approval under Emergency COVID Response Plan (ECRP) Phase II of Kerala are given at Annexure-I.




5. Outcome/Outputs

5.1 The minimum non-negotiable outputs of the ECRP-II for the State shall be as under:

Particular	Compliance by the State/UT
One Paediatric Unit in every district.	Yes. Proposed for all 14 districts in ECRP II.
One Centre of Excellence for Paediatric per state.	Yes. Proposed in ECRP II. Further, one proposed for Lakshadweep as suggested by GOI
Functional Hospital Management Information System across all district hospitals.	Yes. State has mentioned that this will be ensured. At present, available in Trivandrum district. Proposed in the remaining 13 districts
RT-PCR testing facility in public healthcare system in all the districts.	Yes, available
At least one LMO tank (with MGPS) in each district	Yes. proposed in all 14 districts in ECRP II.

5.2 The other detailed key deliverables for the State for the various components of ECRP-II are given at Annexure-II.

6. Accordingly, approval of the competent authority is hereby conveyed to the State of Kerala for an amount of **Rs.266.68 Crore** under COVID-19 Emergency Response and Health System Preparedness Package: Phase-II for implementation from 01.07.2021 to 31.03.2022. The conditions mentioned supra, would need to be meticulously adhered to by the State Government.


(Dr Sachin Mittal)
Director(NHM-II)
13/08/21

Copy to:

- Principal Secretary, Health, Government of Kerala
- SrPPS to AS&MD
- SrPPS to JS Policy
- NHM-II Section to host in the NHM Website

**Annexure-I: Detailed proposals and approval under Emergency COVID Response Plan
(ECRP) Phase II of Kerala**

(Rs.in lakhs)

FMR	SI No	Activity / Item of expenditure	Unit Cost (In Rs./unit)	No. of Units Proposed	Budget Proposed (in Rs lakhs)	Budget Approved (in Rs Lakhs)	Remarks
		Grand Total			28982.00	26735.33	
S.1		COVID Essential Diagnostics and Drugs			7803.38	7803.38	
S.1.1		Provision for RAT and RT-PCR tests			6253.38	6253.38	
	1	No. of RTPCR test Kits	50	3966760	1983.38	1983.38	Rs 1983.38 Lakhs is approved for 3966760 units of RTPCR test Kits @ Rs 50/kit.
	2	No. of Rapid Antigen Test Kits	70	6100000	4270	4270	Rs 4270 Lakhs is approved for 6,100,000 units of RAT test Kits @ Rs 70/Kit.
S.1.2		Lab Strengthening for RT-PCR (only for 327 District Public Health Labs / districts not having the RT-PCR Lab in public health system)			150	150	
	1	Budget proposed for establishing RT-PCR Lab (with five year warranty) including procurement of RT-PCR Machine, biosafety cabinet, essentials such	3000000	5	150	150	As per discussion held during ECRP II Appraisal Meeting, Rs 150 Lakhs is approved for procurement of Lab Equipment at five districts @ Rs 30 Lakhs each. [GMC Kollam, GMC Kannur, GMC Palakkad, State PH Lab - Trivandrum and District PH Lab - Malappuram].

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		as -20 degree Celsius Freezer, pipettes, refrigerated centrifuge, vortex, etc					
S.1.3		Essential drugs for COVID19 Management, including maintaining buffer stock (List of drugs to be attached)	10000000	14	1400	1400	Approved Rs. 1400 Lakh for 14 districts @ Rs 1 Cr. per District. Proposal for the procurement of the Remdesivir, Tocilizumab, Methyl Prednisolone, Dexamethazone, Immunoglobulin, Amphphtericin B , Enoxaparin &Posovaconazole for COVID management.
S.2		Ramping up Health Infrastructure with focus on Paediatric care units			13314.65	11067.98	
S.2.1		Establishing dedicated Paediatric care units			6107.00	4104.03	
	1	Establishment of 32 bedded Paediatric Care Unit in DHs with ≤ 100 beds (List of hospitals to be attached)			0	0	No proposal from State
	2	Establishment of 42 bedded Paediatric Care Unit in DH with more than 100 beds (List of hospitals to be attached)	610700000	1	6107.00	4104.03	Approved for the establishment of Paediatric care units in 24 institutions: 1. 490 oxygen supported beds @ Rs. 1.3 lakh per oxygen supported bed - Rs 637 Lakhs 2. 158 HDU beds @ Rs 16.58 Lakh/beds - Rs 2620.77 Lakhs 3. 36 ICU beds



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							<p>@ Rs 23.51/bed - Rs 846.26 lakh. The above recommendations are with the conditionality that: 1. All pediatric beds must be supported by oxygen supply, drugs, equipments as per GoI guidelines on "Operationalisation of COVID care services for children and adolescent". 2. State to ensure that there is no duplication of resources in terms of oxygen source, equipments etc. 3. State to follow ECRP II guideline and book the expenditure as per actuals. List of facilities at Appendix I. The State is requested to ensure provision of Oxygen supported beds, HDU/ICU beds as per ECRP-II guideline. Each District must have at least 20 Oxygen supported beds and 12 bedded Paediatric Hybrid unit (8 HDU and 4 ICU). Recommendations as per revised costing norms applicable in the existing infrastructure with the conditionality that the State needs to ensure availability of adequate HR and provision of Tele-ICUs, mentoring and technical hand holding with the Centre of Excellence for Paediatric care. The State has to ensure that there is no duplication of resources for oxygen support to the paediatric beds and the support under MGPS for the entire hospital where the paediatric units are located.</p>
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S.2.2	Establishing Paediatric CoEs at Medical Colleges/ State Hospital/ Central Government Hospital	50000000	2	1000	790	<p>Approved:</p> <p>1. Rs 500 Lakh (including Rs 7 lakh/spoke for 30 spokes for establishment of CoE Paediatric Center of Excellence at Government Medical College, Trivandrum. List of 30 Spokes placed at Appendix II.</p> <p>2. Rs 290 Lakh for establishment of CoE Paediatric Center of Excellence at Kalamassery Medical College, Ernakulum. Details for spoke not shared by State. Thus this does not include approval for spokes. Recommended with the following conditionality</p> <p>1. The support provided under ECRP-II for PediatricCoEs includes upgradation/ renovation for physical infrastructure, IT equipment's (Software and hardware) for HUB and SPOKE, Telemedicine Server Platform, internet connection, monitoring, training, honorarium for tele consultation services, follow-up consultations etc.</p> <p>2. Case based interactive sessions among specialists from medical colleges and district hospitals to be planned in a way that tele-consultation facility between hub and spoke is organized and clinical interactions as and when required can be undertaken smoothly ensuring cross learning and selecting the appropriate treatment plan.</p>
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S.2.3		Establishing additional Beds by provision of Prefab Units closer to the community			0	0	No proposal from State.
	1	No. of 6 bedded units at SHC level(List of SHCs to be attached)			0	0	
	2	No. of 6 bedded units at PHC level (List of PHCs to be attached)			0	0	
	3	No. of 20 bedded units at CHC level (List of CHCs to be attached)			0	0	
S.2.4		ICU beds in public healthcare facilities including 20% paediatric ICU beds			3555.35	3521.65	
	1	No of ICU beds (duly indicating number of Paediatric ICU beds separately) added at Medical Colleges	1685000	57	960.45	960.45	Approved Rs 960.45 lakhs @ Rs 16.85 lakhs per ICU Bed for the creation of 57 ICU Beds in 5 Medical colleges (Alapuzzha, Konni, Kannur, Kotayam and Kozhikode) with the following conditionality: 1. 20% of recommended beds will be pediatric ICU Beds. 2. Place of such beds can be decided by the state depending upon the availability of HR, logistics, equipment etc.



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2	No of ICU beds (duly indicating number of Paediatric ICU beds separately) added at District Hospitals (other than the Paediatric units mentioned at Para 31.2.1)	1685000	71	1196.35	1196.35	Approved Rs 1196.35 lakhs @ Rs 16.85 lakhs per ICU Bed for the establishment of 71 ICU Beds in 9 District Hospitals (DH Kollam, GH Muvattupuzha, DH Aluva, GH Irinjalakuda, DH Tirur, DH Nilambur, GH Thalassery, W & C Kozhikode & DH Kannur) with the following conditionality: 1. 20% of recommended beds will be pediatric ICU Beds. 2. Place of such beds can be decided by the state depending upon the availability of HR, logistics, equipment etc.
3	No of ICU beds (duly indicating number of Paediatric ICU beds separately) added at Sub District Hospitals (other than the Paediatric units mentioned at Para 31.2.1)	1685000	63	1061.55	1027.85	Approved Rs 1027.85 lakhs @ Rs 16.85 lakhs per ICU Bed for the establishment of 61 ICU Beds in 12 institutions (Kadakkal, North Paravur, Chalakkudy, Kodungallur, Alathur, Malapuram, Tirurangady, Firoke, Koyilandi, Thalapuramba, Iritty, Peravoor) with the following conditionality: 1. 20% of recommended beds will be pediatric ICU Beds. 2. Place of such beds can be decided by the state depending upon the availability of HR, logistics, equipment etc. The difference in the budget proposed (Rs 1061.55 lakhs) and budget recommended (Rs 1027.85 lakhs) is because the cost mismatch in TH Chalakkudy & TH Kodungallur.

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	4	No of ICU beds (duly indicating number of Paediatric ICU beds separately) added at Community Health Centres (other than the Paediatric units mentioned at Para 31.2.1)	0		0	0	
	5	No of ICU beds (duly indicating number of Paediatric ICU beds separately) added at Public healthcare facilities, other than the four mentioned above (other than the Paediatric units mentioned at Para 31.2.1)	1685000	20	337	337	Approved Rs 337.00 lakhs @ Rs 16.85 lakhs per ICU Bed for the establishment of 20-bedded Pediatric ICU at SAT Hospital.
S.2.5		Field Hospitals (50/ 100 bedded)			1532.3	1532.3	
	1	Establishment of 100 bedded Field Hospitals			0	0	
	2	Operational expenses for above 100 bedded Field Hospitals	557200	175	975.1	975.1	Approved Rs 975.10 lakhs @ Rs 5.572 lakhs per bed for 175 beds as operational expenses for 3 field hospitals (Chavara Kollam, BPCL Ambalamugal & Mundayadu Indoor Stadium)



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	3	Establishment of 50 bedded Field Hospitals			0	0	
	4	Operational expenses for above 50 bedded Field Hospitals	557200	100	557.20	557.20	Approved: 1. Rs 278.60 Lakhs for 10 beds each at GH Pala, Vaikom CFLTC, Mundkkayam CFLTC, Uzhavoor CFPTC, Pampady CFLTC Kottayam (/bed) as per State proposal (Rs 5.572 Lakh/bed) 2. Rs 10 beds at Kinfra field hospital, Palakkad Rs.55.72 lakhs @ Rs 5.572 Lakh/bed. 3. Rs 222.88 Lakh for 8 units of 10 bedded hospitals (GH Trivandrum, THQH Vithura, THQH Varkala, THQH Parassala, THQH Chirayinkeezhu, THQH Fort, THQH Attingal, W&C Hospital,Thycaud) as per State proposal.
S.2.6		Referral transport			0	0	
		Support for additional ambulances for nine months and preference to be given for ALS Ambulances			0	0	No proposal from State.
S.2.7		Support for Liquid Medical Oxygen (LMO) plant (with MGPS) including site preparedness and installation cost	8000000	14	1120	1120	Rs 1120 Lakhs is approved for establishment of Liquid Medical Oxygen tank with MGPS for 14 districts @ Rs 80 Lakhs each Recommended for following facilities: SATH Trivandrum, MCH Kollam, MCH Konni, GH Alappuzha, GH Kottayam, MCH Idukki, GH Ernakulam, MCH Thrissur, DH Palakkad, DH Thirur,



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							GH Kozhikode, DH Mananthawady, GH Thalasserry, MCH Kasargod.
S.3		Enhancement of Human Resources for Health			5403.44	5403.44	
S.3.1		Medical PG Residents			0	0	No proposal by State
S.3.2		Medical UG Inters	176000	500	880.00	880.00	Approved for engaging 500 Medical UG Inters @ Rs 22000 pm on temporary basis for COVID management (till 31.03.2022).
S.3.3		Final year MBBS students	176000	500	880.00	880.00	Approved for engaging 500 Final year MBBS students @ Rs 22000 pm on temporary basis for COVID management (till 31.03.2022).
S.3.4		Final Year GNM Nursing students	136000	1308	1778.88	1778.88	Approved for engaging 1308 Final year GNM Nursing students @ Rs 17000 pm on temporary basis for COVID management (till 31.03.2022).
S.3.5		Final Year B.Sc. Nursing students	136000	1371	1864.56	1864.56	Approved for engaging 1371 Final year B.Sc. Nursing students @ Rs 17000 pm on temporary basis for COVID management (till 31.03.2022).
S.4		IT Interventions - Hospital Management Information System and Tele- Consultations			2315.01	2315.01	



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S.4.1		Hospital Management Information System (HMIS) – to be implemented in 426 District Hospitals of the Country (HR support is not covered)			1499.23	1499.23	Approved- Rs. 1499.23 Lakh for implementation of eHealth in 30 district level hospitals (DHs)@ Rs 50 Lakh per DH. Amount Approved as per State proposal. List of hospitals placed at Appendix III.
	1	Support to DHs to implement all modules of HMIS in District Hospitals	4997429	30	1499.23		
S.4.2		Strengthening the Telemedicine / Tele - consultation Hubs			815.78	815.78	
	1	No of District Hubs established (indicate their locations such as Medical Colleges, DHs, etc) with required hardware and other essentials.	3987500	14	558.25	558.25	ApprovedRs. 558.25 Lakh for 14 Hubs @ Rs 39.87 Lakh per Hub. List of Hub & Spoke at Appendix IV.
	2	No of District Hubs strengthened (indicate their locations such as Medical Colleges, DHs, etc) with required hardware and other essentials			0	0	

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	3	No of Spokes established (indicate their locations such as category of Public healthcare facilities including CCCs, etc) with required hardware and other essentials.	247625	104	257.53	257.53	Approved Rs. 257.53 Lakh for establishing 104 Spokes @ Rs 2.47 Lakh per Spoke. State may also identify the CSCs functional in the State and seek fund for implementation of teleconsultation through CSCs List of Hub & Spoke at Appendix IV.
	4	No of Spokes strengthened (indicate their locations such as category of Public healthcare facilities including CCCs, etc) with required hardware and other essentials.			0	0	
S.8		Capacity Building and Training for ECRP II components			145.52	145.52	
	1	Training on IT interventions including HMIS implementation	10000	124	12.40	12.60	Approved
	2	Training on Paediatric COVID19 management	16650	278	46.29	46.29	ApprovedRs.46.29 lakhs for 278 batches of Training on Paediatric COVID 19 Management @ Rs.16,650 per batch. Calculation:- 278 batches xRs.16650/- = Rs.46.29 lakhs

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							The State is requested to follow ECRP-II Guideline and RCH Training Norms
	3	CME of the professionals	6250	155	9.69	9.69	Approved
	4	Other trainings (Specify)	27750	278	77.15	77.15	Approved

Anexure-II: Key Deliverables of ECRP-II of Kerala

Sl No	Major Milestones		Outcome by March 2022	Annexure
1.a	RT-PCR Tests Kits	No. of tests	3966760	NA
1.b	Rapid Antigen Test Kits	No. of kits	6100000	NA
2.	RT-PCR Lab	No. of Labs	5	GMC Kollam, GMC Kannur, GMC Palakkad, State PH Lab - Trivandrum and District PH Lab - Malappuram
3.	Essential drugs for COVID19 Management, including maintaining buffer stock	No. of Districts	34	Remdesivir, Tocilizumab, Methyl Prednisolone, Dexamethazone, Immunoglobulin, Amphptericin B, Enoxaparin & Posovaconazole
4.	Establishing dedicated Paediatric care units (42 bedded)	DH	24	Appendix I
		Medical college	0	
5.	Establishing dedicated Paediatric care units (32 bedded)		0	NA
6.	Establishing PediatricCoEs	Name of Institution	MC, Trivandrum and Kalamassery Medical College, Ernakulum Appendix II	
7.	Augmentation of 6 beds units at HWC-SC/HWC-PHCs and 20 bedded units at CHCs	HWC-SHC	NA	
		HWC-PHC	NA	
		CHC	NA	
8.	No of ICU beds (duly indicating number of Paediatric ICU beds separately)	Medical Colleges	57	Alapuzzha, Konni, Kannur, Kotayam and Kozhikode
		District Hospitals	71	DH Kollam, GH Muvattupuzha, DH Aluva, GH Irinjalakuda, DH Tirur, DH Nilambur, GH Thalassery, W & C Kozhikode & DH Kannur
		Sub District Hospitals	63	Kadakkal, North Paravur, Chalakkudy, Kodungallur, Alathur, Malapuram, Tirurangady, Firoke, Koyilandi, Thalapuramba, Iritty, Peravoor



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		Community Health Centres	NA	NA
		Public healthcare facilities, other than the four mentioned above	1	SAT Hospital
		100 bedded	3	Chavara Kollam, BPCL Ambalamugal&Mundayadu Indoor Stadium
9.	Field Hospital	50 bedded	14	GH Pala, Vaikom CFLTC, Mundakkayam CFLTC, Uzhavoor CFPTC, Pampady CFLTC Kottayam , Kinfra field hospital, Palakkad ,GH Trivandrum, THQH Vithura, THQH Varkala, THQH Parassala, THQH Chirayinkeezhu, THQH Fort, THQH Attingal, W&C Hospital,Thycaud
10.	Referral transport	State Budget	NA	NA
		ECRP-II	NA	NA
		State Budget	NA	NA
11.	LMO tank with 10 KL capacity with MGPS	ECRP-II	14	SATH Trivandrum, MCH Kollam, MCH Konni, GH Alappuzha, GH Kottayam, MCH Idukki, GH Ernakulam, MCH Thrissur, DH Palakkad, DH Thirur, GH Kozhikode, DH Mananthawady, GH Thalasserry, MCH Kasargod.
		PM Cares	NA	NA
		Other source	NA	NA
		MBBS Intern (UG)	500	NA
		Residents (PG)	NA	NA
12.	Enhancement of Human resources	Final Year MBBS students	500	NA
		Final year B.Sc Nursing Students	1308	NA
		Final year GNM Nursing Students	1371	NA

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13.	Implementation of HMIS	Number of District Hospitals	30 district level facilities	Appendix III
		Any other facility	NA	NA
14.	Teleconsultation- Hub	DH	14	Appendix IV
		Medical college	0	
15.	Teleconsultation- Spoke	SC	104	Appendix IV
		PHC		
		CHC		
		Any other Center (CCC)		

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Appendix – I

Establishment of dedicated paediatric Care Units (42 Bedded)				
Name of District	Name of Facility	O2 supported beds proposed	HDU beds proposed	ICU beds proposed
Trivandrum	GH Neyyattinkara	30	0	0
Trivandrum	W&C Thycaud	15	4	2
Trivandrum	DH Nedumangad	0	12	0
Kollam	MCH Kollam	30	0	8
Kollam	W&C Kollam	10	6	0
Pathanamthitta	GH Adoor	15	4	2
Pathanamthitta	GH Pathanamthitta	15	4	2
Alapuzha	W&C Alappuzha	30	12	0
Alapuzha	DH Chengannur	0	12	0
Kottayam	DH Kottayam	30	12	0
Idukki	DH Idukki	15	4	2
Idukki	DH Thodupuzha	20	0	0
Ernakulam	GH Ernakulam	30	8	4
Thrissur	MCH Thrissur	30	8	4
Thrissur	GH Thrissur	20	12	0
Palakkad	W&C Palakkad	30	8	4
Malappuram	MCH Manjeri	30	8	4
Malappuram	W&C Ponnani	15	6	0
Malappuram	DH Perinthalmanna	15	6	0
Kozhikode	GH Kozhikode	15	6	0
Kozhikode	DH Vada-kara	15	6	0
Wayanad	DH Mananthawady	30	8	4
Kannur	DH Kannur	30	12	0
Kasaragod	DH Kanjanganad	20	0	0
		490	158	36

Appendix – II

List of Spokes for CoE at Trivandrum		
SI No	District	Name of Hospital
1	Thiruvananthapuram	W & C hospital Thycaud
2	Thiruvananthapuram	District Hospital Nedumangad, Thiruvananthapuram
3	Kollam	Government Victoria Hospital
4	Kollam	Medical College Parippally
5	Pathanamthitta	Medical College Konni
6	Pathanamthitta	GH Pathanamthitta
7	Pathanamthitta	GH Adoor
8	Alappuzha	Medical College Alappuzha
9	Alappuzha	W & C Alappuzha
10	Alappuzha	DH Chengannur
11	Kottayam	GH Kottayam
12	Kottayam	ICH Kottayam
13	Idukki	DH Idukki
14	Idukki	DH Thodupuzha
15	Ernakulam	General Hospital, Ernakulam
16	Thrissur	GH Thrissur
17	Thrissur	Medical College Thrissur
18	Palakkad	GTSH Kottathara
19	Palakkad	W & C Palakkad
20	Malappuram	DH PERINTHALMANNA
21	Malappuram	GH Manjeri
22	Malappuram	W & C ponnani
23	Kozhikode	District Hospital, Vadakara, Kozhikode
24	Kozhikode	IMCH Kozhikkode
25	Kozhikkode	GGH KOZHICODE
26	Wayanadu	District Hospital, Mananthavadi
27	Kannur	DH Kannur
28	Kannur	Government Medical College Kannur
29	Kasargod	DH Kanhangad
30	Kasargod	Govt Medical College, Kasaragod

Spokes for CoE, Government Medical College, Ernakulam
This CoE is for Lakshadweep. Details of Spokes is not available

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Appendix – III

Hospital Management Information System	
Name of the District	Name of the Facility
Kollam	DH Kollam
Pathanamthitta	DH Kozhencherry
Pathanamthitta	GH Pathanamthitta
Pathanamthitta	GH Adoor
Alapuzha	DH Mavelikkara
Alapuzha	DH Chengannur
Alapuzha	General Hospital Alappuzha
Kottayam	GH Kottayam
Kottayam	GH Pala
Kottayam	GH Changanacherry
Kottayam	GH kanjirappally
Idukki	DH Idukki
Idukki	DH Thodupuzha
Ernakulam	DH Aluva
Ernakulam	GH Muvattupuzha
Trissur	DH WADAKKANCHERY
Trissur	GH THRISSUR
Trissur	GH IRINJALAKUDA
Palakkad	DH Palakkad
Malappuram	DH TIRUR
Malappuram	DH PERINTHALMANNA
Malappuram	DH NILAMBUR
Malappuram	GH Manjeri
Kozhikode	GGH KOZHIKODE
Wayanad	District Hospital, Mananthavadi
Wayand	General Hospital, Kalpetta
Kannur	DH Kannur
Kannur	GH Thalasesry
Kasargod	DH Kanhangad
Kasargod	GH Kasaragod

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Appendix – IV

Name of HUB	No.of SPOKE (maximum 10 spokes only , prioritize)	Name of Spoke
Government medical college, Thiruvananthapuram	10	1. GH Thituvananthapuram
		2. GH Neyyatinkara
		3. GH Nedumangadu
		4. TH Parasala
		5. TH Chirayinkeezhu
		6. TH Fort
		7. TH Varkala
		8. TH Vithura
		9. TH Attingal
		10. W& C Thycadu
Government Medical College, Kollam	10	1. DH Kollam
		2. THQH Sasthamkotta
		3. THQH Punalur
		4. THQH Kottarakkara
		5. THQH Karunagappally
		6. TH Neendakara
		7. TH Nedungolam
		8. TH Kadakkal
		9. TH Kundara
		10. CHC Kulathupuzha
DH Pathanamthitta	5	1. THQH Konni
		2. THQH Mallappally
		3. THQH Ranni
		4. FHC Koyipuram
		5. FHC Niranam
Govt Medical College Alappuzha	5	1. GH Alappuzha
		2. THQH Kayamkulam
		3. THQH Harippad
		4. TH Thuravoor
		5. THQH Cherthala
DH Thodupuzha	5	1. DH Painavu
		2. THQH Peermedu
		3. THQH Nedumkandam
		4. THQH Adimaly
		5. TH Kattappana

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Govt Medical College Kottayam	10	1. GH Kottayam (yes)
		2. GH Pala
		3. GH Changanacherry
		4. GH Kanjirappally
		5. THQH Vaikom
		6. THQH Pampady
		7. THQH Kuravilangad
		8. KMMS Uzhavoor
		9. CHC Edayazham
		10. FHC Erattupetta
Govt Medical College Ernakulam	10	1. GH Ernakulam
		2. DH Aluva
		3. TH Palluruthi
		4. THQH Paravoor
		5. THQH Angamali
		6. GH Moovattupuzha
		7. THQH Tripunithura
		8. THQH Kothamangalam
		9. THQH Kochi
		10. TH Puthenvelikkara
Govt Medical College Thrissur	5	1. GH Thrissur
		2. THQH Kodungallur
		3. THQH Chalakudy
		4. TH Kunnamkulam
		5. TH Pudukkad
Govt Medical College Manjeri	7	1. DH Perinthalmanna (yes)
		2. DH Nilambur
		3. DH Tirur
		4. THQH Malappuram
		5. THQH Thirurangadi
		6. THQH Ponnani
		7. THQH Kondotty
DH Palakkad	7	1. THQH Chittur
		2. THQH Alathur
		3. THQH Pattambi
		4. THQH Ottappalam
		5. GTSH Kottathara
		6. CHC Chalissery
		7. CHC Pazhampalakkod



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Government Medical college, Kozhikode	10	1. W &C Kozhikode
		2. GH Kozhikode (yes)
		3. DH Vatakara (yes)
		4. THQH Koyilandi
		5. TH Feroke
		6. TH Balussery
		7. TH Nadapuram
		8. TH Thamarassery
		9. TH Kuttyadi
		10. TH Perambra
DH Manathavady	5	1. CHC Porunannore
		2. PHC Begur
		3. PHC Vazhavatta
		4. PHC Moopinad
		5. CHC Thariyode
Govt Medical College Kannur	10	1. GH Thalassery
		2. THQH Peravoor
		3. THQH Taliparamb
		4. THQH Payyanur
		5. FHC Malappattom
		6. PHC Peruva
		7. PHC Kudiyanmala
		8. PHC Chandanakampara
		9. PHC Manakadav
		10. FHC Udayagiri
DH Kanjangad	5	1. THQH Bedadka
		2. TH Mangalpady
		3. TH Panathady
		4. TH Neleeshwaram
		5. TH Thrikkaripur

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