



# MINISTRY OF RURAL DEVELOPMENT

## National Rurban Mission

**NRuM**

**KERALA**

### ANALYSIS OF INTEGRATED CLUSTER ACTION PLANS- 4 clusters

	Name of Cluster	Name of Sub District	Name of District	Population of Cluster
1	Aryanad/ Vellnad gps	Nedumangad	Thiruvananthapuram	63637
2	Puthupally//Manarcaud gps	Kottayam	Kottayam	57363
3	Puthenvelikara/Kunnukara gps	Paravur	Ernakulam	49819
4	Mangattidam/Kottayam	Thalassery	Kannur	53928

# KERALA- 4 ICAPs SUMMARY

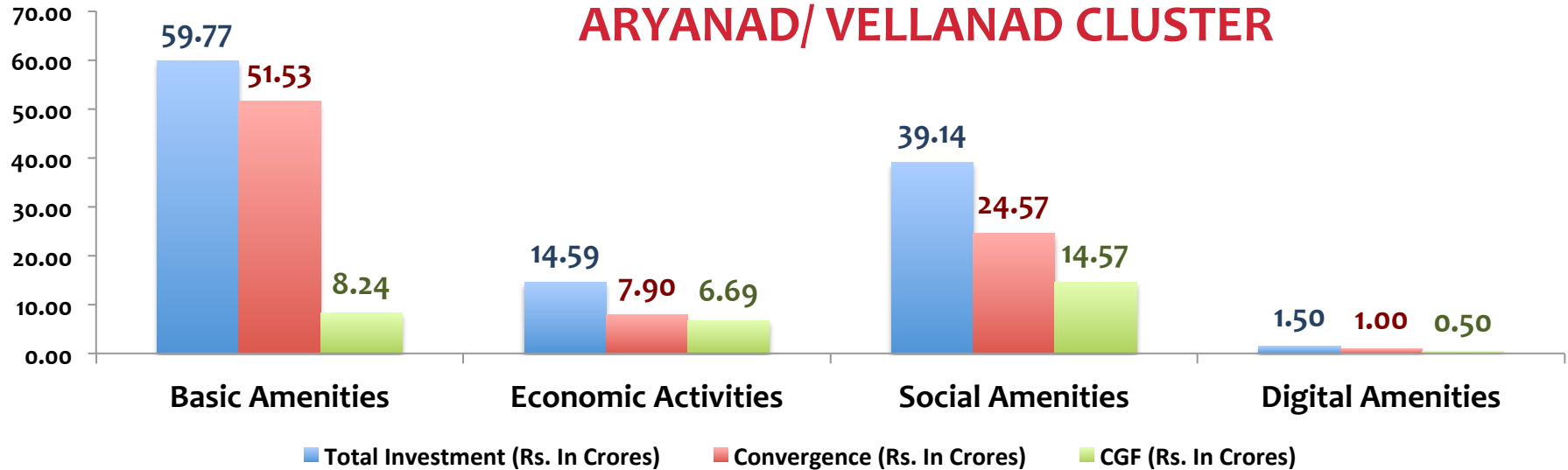
(₹ in crores)

Sl. No	Name of the Cluster	Investment Estimated	30% of Investment Estimated	CGF Projected by State	CGF Eligible	Resources mobilized through Convergence	1 <sup>st</sup> instalment to be released
1	Aryanad/ Vellanad	115.00	34.50	30.00	30.00	85.00	9.00
2	Puthupally/ Manarcaud	100.00	30.00	30.00	30.00	70.00	9.00
3	Puthenvelikara/ Kunnukara	149.80	44.94	30.00	30.00	119.80	9.00
4	Mangattidam/ Kottayam	118.18	35.45	30.00	30.00	88.18	9.00
	<b>Total</b>	<b>482.98</b>	<b>144.89</b>	<b>120.00</b>	<b>120.00</b>	<b>362.98</b>	<b>36.00</b>

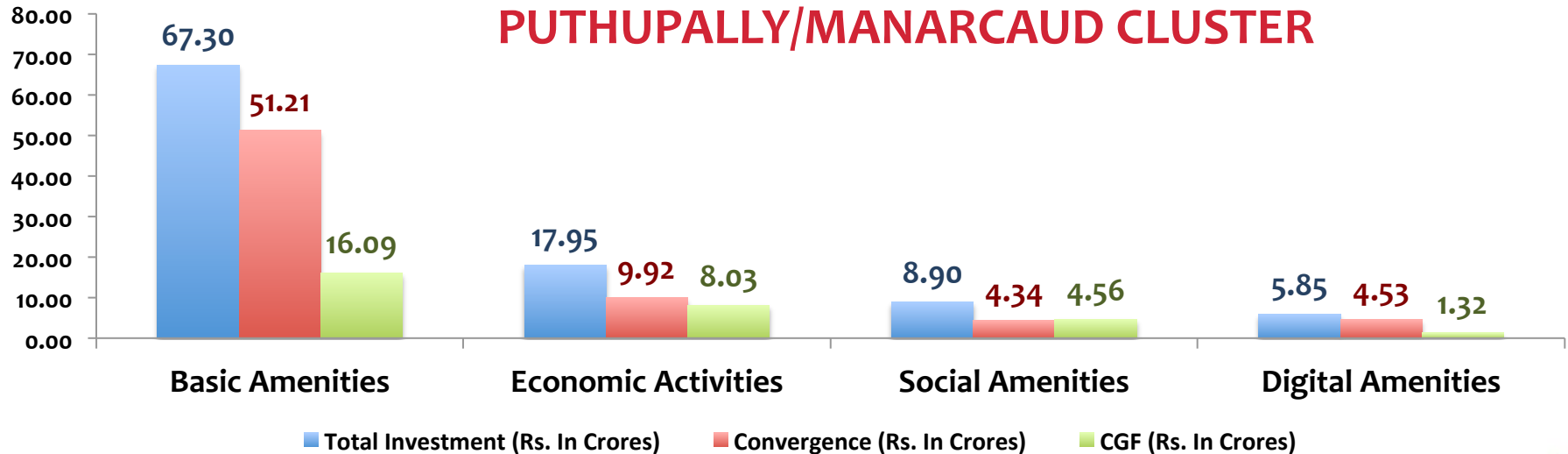
\* Rs. 30 Crore or 30% whichever is less in Non Tribal and Rs.15 crore or 30% whichever is less for Tribal

# Category wise Investment and CGF Phasing

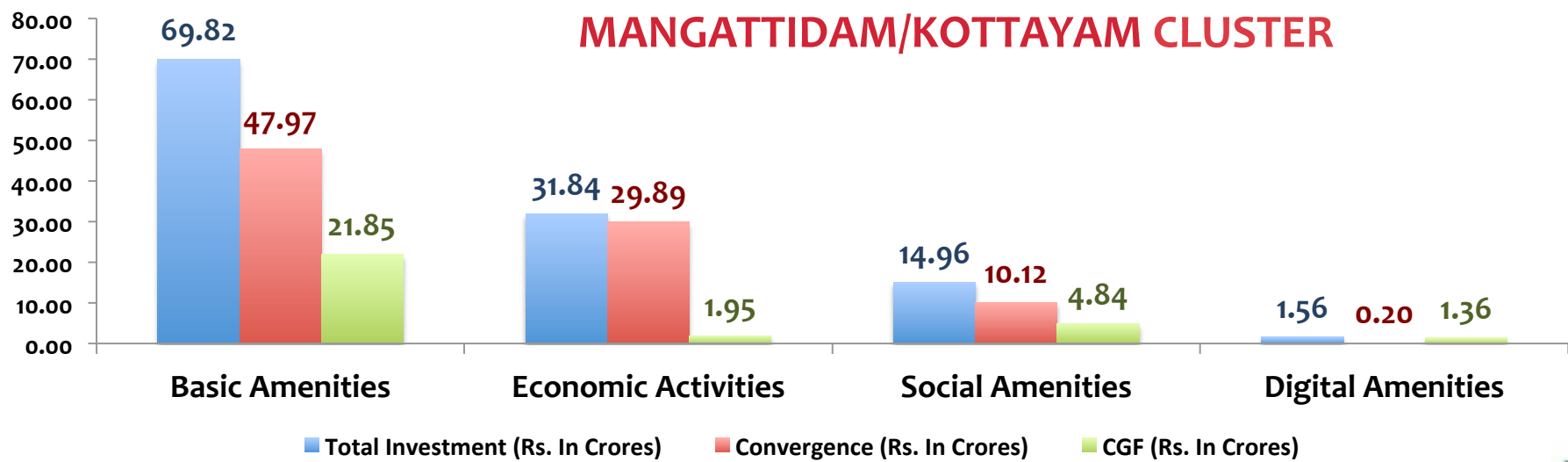
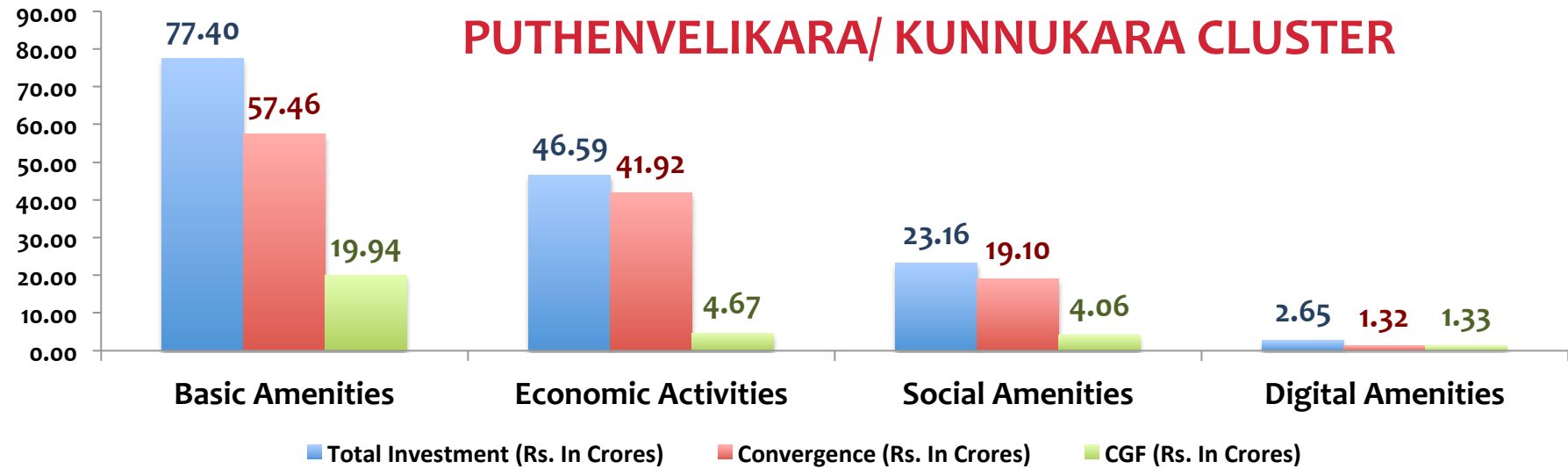
## ARYANAD/ VELLANAD CLUSTER



## PUTHUPALLY/MANARCAUD CLUSTER



# Category wise Investment and CGF Phasing



**CONVERGENCE IDENTIFIED**

# CONVERGENCE IN CLUSTER

Rs in Crores

Project Components	Puthenvelikara/ Kunnukara	Aryanad/ Vellanad	Mangattidam/ Kottayam	Puthupally/ Manarcaud
<b>Agro service</b> (MGNREGS, PMKSY, KLDC)	21.37	2.85	4.10	1.22
<b>Anganwadi Construction</b> (MGNREGS, MoWCD, MLASDF, GP)	1.99	--	1.21	--
<b>Animal Husbandry</b> (Gram Panchayat, Block Panchayat)	--	2.15	--	--
<b>Banking And Insurance</b> (Banks)	--	0.50	--	--
<b>Citizen Service Centres</b> (Digital India Mission)	--	0.70	--	3.62
<b>Crematorium</b> (District Panchayat)	--	1.00	--	--
<b>Digital Amenities Sector</b> (Gol(Digital India), GoK(IT Mission), GP, Kudumbashree)	1.32	0.30	0.20	0.91
<b>Educational Sector</b> (GoK(Edn. Dept.) & MLASDF, MP LAD, PWD, GP, RGKA, MLASDF)	7.05	6.36	4.45	2.18
<b>Electrification</b> (ANERT, DP & GP)	0.06	--	0.06	--
<b>Environmental Sector</b> (MGNREGS, SBM(G), KLGSDP, 14th CFC, DP&GP)	8.55	1.35	2.97	--
<b>Food Security</b> (RIDF, Gram Panchayat)	--	0.82	--	0.56

# CONVERGENCE IN CLUSTER

Rs in Crores

Project Components	Puthenvelikara/ Kunnukara	Aryanad/ Vellnad	Mangattidam/ Kottayam	Puthupally/ Manarcaud
<b>Geriatric Care &amp; Gender Programs</b> (GoK(SJDept.), GP)	0.09	--	0.02	--
<b>Health Sector</b> (NHM(Rural) & GoK, GP)	1.05	8.85	0.85	1.60
<b>Inter Village Connectivity</b> (PWD, GP)	6.00	6.00	12.37	14.14
<b>Irrigation &amp; Pisciculture</b> (PMKSY)	--	--	--	2.00
<b>LPG Connection</b> (RGGLV)	--	--	0.42	--
<b>Organic Farming</b> (PKVY, PMKSY, GP, Agri. Dept. , NHM, Fisheries Dept, VFPCCK, MGNREGS)	1.70	--	2.59	--
<b>Play Grounds</b> (GP, MGNREGS)	0.20	3.00	0.58	--
<b>Poverty Alleviation With New SHGs</b> (Banks)	--	--	--	0.40
<b>Public Transport</b> (Bank, MLALAD)	--	--	0.56	3.01
<b>Rehabilitation Of Differently Abled</b> (GoK(Social Justice Dept.), Kudumbashree, GP)	0.17	--	0.04	--
<b>Rural Market</b> (GoK, NRLM, Kudumbashre, GP, BP)	0.60	--	0.10	--

## CONVERGENCE IN CLUSTER

Rs in Crores

Project Components	Puthenvelikara/ Kunnukara	Aryanad/ Vellanad	Mangattidam/ Kottayam	Puthupally/ Manarcaud
<b>Sanitation</b> (SBM(G) & GP)	1.08	3.09	0.41	--
<b>Sc/St Development</b> (District Panchayat)	--	3.20	--	--
<b>Skill Development Sector</b> (BP(WCP), Kudumbashree, DDUGKY, MGNREGS, NRLM, GP, CSR, Coir Board & Federation)	18.25	2.40	23.10	4.80
<b>Solid And Liquid Waste Management</b> (SBM(G),14th CFC grant, DP&GP, MGNREGS)	3.43	1.11	2.76	2.00
<b>Street Lights</b> (State Funds, MPLAD)	--	--	--	1.26
<b>Upgradation Of Houses</b> (PMAY)	--	--	--	6.73
<b>Village Street With Drains</b> (GP, DP, MGNREGS, 14th CFC Grant, MLASDF)	27.38	--	20.29	--
<b>Village Tourism</b> (District Panchayat)	--	--	--	1.50
<b>Water Conservation</b> (PMKSY, MGNREGS & GP)	0.60	2.35	6.30	1.50
<b>Water Supply Sector</b> (KWA, MLALAD)	18.91	38.98	4.80	22.57
<b>Grand Total</b>	<b>119.80</b>	<b>85.00</b>	<b>88.18</b>	<b>70.00</b>



# OUTPUT-OUTCOME ANALYSIS

# Clusters in Kerala



## OUTPUT – OUTCOME ANALYSIS – ARYANAD/ VELLANAD CLUSTER

COMPONENT	OUTPUT (2016-17 to 2018-19)	OUTCOME (2020 to 2022)
<b>24 x 7 Water Supply</b>	Water Supply scheme for a projected population of 1,64,700 (Intake well cum pump house, 2 No.s of 110 HP VT Raw Water pump sets for pumping Raw water from intake well to water treatment plant, Water Treatment Plant of 20 MLD capacity, GLSR of 13LL capacity, OHSR of 13LL), subsidies for Pumpsets for 4000HHs, 2 Water Testing Labs in schools, rainwater harvesting system in 10 buildings	<b>24x7 piped water supply to all households</b>
<b>Sanitation</b>	500 IHHLs to be constructed, Conversion of existing Soak Pits into shallow two pits and partly to septic tanks (1000nos), 3 Public Toilets, 2 localised sewage treatment plant	<b>100% coverage of toilets, ODF Cluster</b>
<b>Solid and Liquid Waste Management</b>	Collection of non biodegradable waste with the help of Kudumbasree, 2 vehicles for transporting waste, 1 material recovery facility, 10 Biogas plants, 36 sanitary napkin incinerator, 12 awareness programmes	<b>Fully equipped solid and liquid waste management facility at the cluster level</b>
<b>Road and transportation</b>	2 km of 2lane approach road, 2 bus terminals with parking lots, 1 pedestrian suspension bridge, causeway improvement, Continuing storm water drains, ducts for cables, paved footpaths of 2m wide on both sides, landscaping excess area	<b>All weather intra village road connectivity.</b>
<b>LPG Connection</b>	Subsidised smokeless chullahs to 4000 HHs, Biogas plants at HH level and public buildings	<b>LPG Connections for all households in the cluster</b>
<b>Food Security</b>	1 Community kitchen, 2 vehicles for transporting food, pantry facilities in 23 schools	<b>Availability of nutritious food for all children in the cluster.</b>

## OUTPUT – OUTCOME ANALYSIS – ARYANAD/ VELLANAD CLUSTER

COMPONENT	OUTPUT (2016-17 to 2018-19)	OUTCOME (2020 to 2022)
Health	Additional facilities in 2 CHCs (30 bedded ward for male and female, OT, Labour room, X-Ray, ECG, Blood Storage, Ambulance, Palliative Care, Geriatric Care, Counselling Centre etc), construction of 9 sub centres, 1 mobile health unit, renovation of day care home for men, short stay home for patient attendants, social security card for all households, 1 yoga cum rejuvenation centre	Access to state-of-the-art health facilities to all households within the cluster.
Education	30 New Anganwadis, 18 primary schools to be provided with atleast 8 smart class rooms, 18 play areas, 5 senior secondary schools to be provided with atleast 5 class rooms, improvement of labs in 5 schools, Computer labs in 5 schools, library in 5 schools, 400 toilets in schools, 23 school buses, 2 centralized public libraries, 2 Auditoriums	State of the art infrastructure In all primary, secondary and higher secondary schools.
Water Conservation	Renovation of 15 Ponds, digging of 200 rainwater pits, 10 check dams with cause ways, conservation and development of kmaramana river and canal, construction of bathing facility	Increase in ground water level
Environment	Planting of 10000 trees, installation of 1000 solar panels, installation of 100 solar street lamps, initiatives to declare plastic free gram panchayat, 1 small scale enterprise to produce alternate carry bags, 1 paper recycling unit, 1 kudumbashree unit for value added products, awareness programmes	Plastic Free environment
Recreation	Upgradation of APJ Abdul Kalam Mini stadium at Aryanad and a new mini stadium at vellanad, riverfront development, development of 2 recreation hubs	Improvement in sports participation by children/youth



## OUTPUT – OUTCOME ANALYSIS – ARYANAD/ VELLANAD CLUSTER

COMPONENT	OUTPUT (2016-17 to 2018-19)	OUTCOME (2020 to 2022)
<b>Geriatric Care and Gender Programmes</b>	Geriatric day care home, CCTV Cameras at 4 major nodes, Mother & girl friendly toilets	<b>State of the art facilities for senior citizens</b>
<b>Crematorium</b>	1 modern crematorium	<b>Safe and environment friendly burial practices within the cluster.</b>
<b>Banking &amp; Insurance</b>	Account for all HHs, Banking insurance for all, Insurance coverage (individual, agriculture & animal husbandry)	<b>100 % financial inclusion.</b>
<b>Skill Development &amp; Livelihood Units</b>	Training programme each in (building construction trades, masonry, carpentry, plumbing, electrical wiring, painting, flooring, bar-bending, scaffolding, shuttering, pottery making, mat weaving, reeds weaving, tailoring, garment making, horticulture & gardening, paper bag making, cooking & catering, Secretarial Practice & Office Assistance, Computer Training – MS Office, CADD, Accounting Software etc), 1 skill development institute, 1 artisan's village, cottage industries	<b>70% households with one beneficiary in each household with skills linked to Economic activities.</b>
<b>Agri Services, Processing &amp; Market</b>	60 homestead development, organic vegetable cultivation in 10 ha, 60 ha of plantain & banana cultivation, 20 ha of tapioca cultivation, establishment of a market	<b>Increased use of Sustainable agricultural practices and improved agricultural yield in the cluster</b>
<b>Animal Husbandry</b>	Procurement of 300 dairy animals, 600 goats, establishment of farms, kennel for stray dogs, construction of an abattoir	<b>Increased animal husbandry output.</b>
<b>Digital Amenities &amp; Literacy</b>	Procurement of computer infrastructure, computer training for staff, provision of touch screen enabled information counter, E-Market facility for agricultural produces	<b>All GPs in the cluster to be digitally connected.</b>
<b>Citizen Service Centres (GRAMA KENDRA)</b>	2 e-citizen service centres	<b>Fully functional CSC in each GP</b>
<b>SC/ST Development</b>	Construction of 200 pucca houses, Assistance to add additional rooms for 200 HH, Cow Sheds for 100 hhs	<b>Improved living conditions for SC/ST and housing for all SC/ST HH</b>

