

CHAPTER IV

Block Wise Analysis of Perspective Plan of MGNREGS in Lakshadweep (Missing Infrastructure at the Block Level)

In this chapter, Block wise details of the missing infrastructure (proposed works) and other details has been given. In Lakshadweep there are total five blocks (Amini, Andrott, Kavaratti, Kiltan and Minicoy). This part deals with the block (5) perspective plan of MGNREGS in Lakshadweep.

1.0. AMINI Community Development Block

Amini Community Development Block in Lakshadweep comprise of two islands; Amini and Kadamat. However, these two islands in Amini Block also are isolated from one another like the other Blocks in Lakshadweep. The division of blocks therefore is mainly an exercise done to facilitate the implementation of various centrally sponsored programmes as elsewhere in the country. The purpose of better development administration is served through the formation of development Blocks by consolidating various islands. The following sections provide a summary details of the various features of the Block.

1.1. Population

According to the latest population estimates Amini Development Block which comprise of two islands in Lakshadweep has a population of 14584 (2009 population Projections¹). Out of these 7373 (50.56%) are males and 7211 (49.44%) are female. The sex ratio of Amini Block according to this projection is 978 females per 1000 males. This is slightly higher compared to the sex ratio of the Lakshadweep which is 952 females per 1000 males. The population according to the 2001 census were 12687 (6428 males (50.67%) and 6259 Females (49.33%). Out of the total population 12386 (97.63%) belong to Scheduled Tribes. According to latest figures there are 2119 households out of which 280 are in Below Poverty Line (BPL) which comes to 13.21 percent. This is slightly high compared to the Lakshadweep poverty ratio of 11.40 percent. The decennial population growth of Amini Development Block comes to 23.95 percent. The population has grown from 10432 in 1991 to 12687 in 2001. The average density of population of Amini Block comes 2274.

¹ The population projection is taken from the Basic Statistics Document published by the directorate of Planning and Statistics, Lakshadweep.

The literacy rate of Lakshadweep Island as a whole comes to 86.66. In Amini Block 84.96 percent are literates which are slightly higher compared to the literacy rate of Lakshadweep. Out of this, the female literacy rate is 78.31 percent and male literacy rate is 91.48 percent. Male female literacy rates marks a difference of around 13.17 percent.

1.2. Work Participation

The work participation in the Amini Block suggests the following; out of the total population of 12687 in the year 2001 only 2966 people participate in work which is 23.38 percent. Out of the two islands, Amini and Kadamat both has almost similar work participation rate. The women participation in work also differs from island to island and this also differs compared to the over all block average. In the block out of the total 6259 women only 424 women work (domestic and domestic related works has not been considered here) which suggest 4.77 percent which is less compared to the Lakshadweep average of 7.28 percent. The poor work participation could be a challenge in implementing the MGNREGS in the block and the work scheduling in the block has been done keeping this in mind.

1.3. Women Empowerment

Women in this block compared to their counterparts in the rest of the country are better educated and are aware of their rights and responsibilities. They are, though not very much organized active in social life. The self help movement also has taken head in the block. There are a total of 63 women self help group functioning in the block. Moreover out of the total 18 elected members to the Village Dweep Panchayat seven members are females. There are five DP members in this block area, out of which there only one women .

1.4. Infrastructure Facilities & Amenities

The infrastructure and amenities in the block include ponds, wells, schools, health centers and other basic amenities. The table provides the detail of the infrastructure and the amenities in the Block.

Table IV.1.1: Infrastructure and Amenities in Amini Block

Amenities / Infrastructure	Unit	Particulars
Pond (2009)	Number	173
Well (2009)	Number	2521
PWD Road (2009)	Kilometer	41.8 Km
Lower Primary School (2009)	Number	3
Upper Primary School (2009)	Number	3
High School	Number	1

Amenities / Infrastructure	Unit	Particulars
Higher Secondary School (2009)	Number	2
Anganwadi (2009)	Number	18
Krishi Bhawan (2009)	Number	2
Veterinary Hospital (2009)	Number	2
Primary Health Centre (2009)	Number	2
Sub Centre (2009)	Number	3
First Aid Centre (2009)	Number	0
Library (2009)	Number	2
Rain Water Harvesting Tank (2009)	Number	103
Post Office (2002)	Number	2
Power Generation (2006-07)	Kwh	4973.81
Power Consumption - Domestic (2006-07)	Kwh	2955.91
Power Consumption – Commercial (2006-07)	Kwh	713.79
Power Consumption – Industrial (2006-07)	Kwh	70.97
Power Connections – Domestic (2006-07)	Number	3538
Power Connections – Commercial (2006-07)	Number	606
Power Connections – Industrial (2006-07)	Number	68
Telephone Connections (2007)	Number	1617

Source: Basic Statistics, 2007, Directorate of Planning and Statistics Participatory Discussions during field visit with various stakeholders in the block.

1.5. Local Economy

Local economy of Amini Block consists of agriculture, animal husbandry and fisheries. Coconut is the dominating agricultural crop in the Block. A total of 139.46 Lakhs of coconuts have been harvested in the Block in 2006-07. It is also shows that 386085 liters of milk has been produced in the Block. Public and private sector together produced 2785405 eggs in 2006-07.

A total of 508 tones of fish have been landed in 2006 in the Block. The revenue from this comes to around Rs.102 Lakhs. The same in 1997 were 1239 tones. This suggests almost a 50 percent decline in fish landing compared to 2006. The peak year is 1999 during which the fish landing was 1457 tones yielding revenue of Rs.233.12 lakhs. The block has a total of 477 full time active fishermen and 866 part-time or occasional fishermen as per 2006-07 statistics.

1.6. MGNREGA Governance and Registration Trend

A total of 2165 families have been registered under MGNREGS in the block as per the latest MGNREGS statistics. Out of this only 341 families have been issued job cards which come to 15.75 percent. A total of 1260 mandays have been generated in the island out of which women worked in 489 days (38.81). The work statistics suggest that out of the two islands (Amini and Kadamat) at in Amini Block work has been done only Kadamat (as per 2009 May). The main activity done is sea shore plantation and this could be a reason for better female work participation under MGNREGS.

1.7. Labour supply Trend

The labour availability in the block for various works has been limited by a number of factors in the block. Some of the factors include; cultural preferences, labour practices, gender practices, climate changes and the various festivals in the block (these factors have been widely discussed in Chapter V). A labour projection has been worked out to estimate the potential labour availability in the block for MGNREGS and it is given in table no. IV.1.2.

Table. IV.1.2: MGNREGA Labour Supply Projections

Block	2010-11	2011-12	2012-13	2013-14	2014-15	Remarks
Amini Block	5711 (29.79%)	5825 (29.45%)	5941 (29.11%)	6060 (28.75%)	6182 (28.53%)	2 percent Increase in Labour Force is calculated on an average for the block.
Lakshadweep	19172	19778	20410	21075	21671	

Source: Calculated from the population growth trend and the labour supply trend
Basic Statistics, 2007, Directorate of Planning and Statistics, Lakshadweep &
Information collected from DRDA, Kavaratti

1.8 Work Proposal

The work proposal of block has been calculated from the island wise finalized tables of Amini & Kadamat given in the Chapter V. The tables no. IV.1.3.a, IV.1.3.b & IV.1.3.c suggest the finalization of works and other details. The finalized of work proposal has been done on the basis of various factors as mentioned in Chapter V.

Table No. IV . 1.3.a : (Block: Amini) : Missing Infrastructure / Proposed Works: FINALIZED (Type of works, no of work and Proposed under which Program) - Convergence																		
Name of Block : Amini (Amini &Kadamat)																		
Sl.No	Missing Infrastructure/ Works proposed	Year																
		2010-2011			2011-2012			2012-2013			2013-2014			2014-2015			Total	
		No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
I. Water Conservation																		
1	Digging of Pond	2	3	PRWSS	2	3	PRWSS	3	4.5	PRWSS	2	3	PRWSS	1	1.5	PRWSS	10	15
2	Percolation of well	12	3.78	PRWSS	18	5.67	PRWSS	15	4.725	PRWSS	15	4.73	PRWSS	13	4.095	PRWSS	73	22.995
3	Rain Water Harvesting Tank	60	18	PWD/ST	75	22.5	PWD/ST	65	19.5	PWD/ST	55	16.5	PWD/ST	55	16.5	PWD/ST	310	93
4	Well recharge pit	85	1.28	PRWSS	90	1.35	PRWSS	50	0.75	PRWSS	70	1.05	PRWSS	50	0.75	PRWSS	345	5.175
5	Husk Burial	450	45	ADF	450	45	ADF	455	45.5	ADF	455	45.5	ADF	470	47	ADF	2280	228
6	Chakirikulam	30	0.75	ADF	30	0.75	ADF	35	0.875	ADF	30	0.75	ADF	25	0.625	ADF	150	3.75
II. Renovation of Traditional Water bodies																		
7	Well renovation	125	18.8	PRWSS	135	20.25	PRWSS	125	18.75	PRWSS	126	18.9	PRWSS	135	20.25	PRWSS	646	96.9
8	Pond renovation	19	9.5	DSP	24	12	DSP	19	9.5	DSP	19	9.5	DSP	19	9.5	DSP	100	50
III. Rural Connectivity																		
9	Link Road (km)	1.5	60	PWD	1.5	60	PWD	1.5	60	PWD	2	80	PWD	1.5	60	PWD	8	320
10	Ring road (km)	5	200	PWD	5.5	220	PWD	4	160	PWD	3.5	140	PWD	4.5	180	PWD	22.5	900
IV. Flood Control																		
11	Anti sea erosion work(km) (Tetrapole or holloblock)	1.7	27.2	LDMF/PWD	1	16	LDMF/PWD	0.5	8	LDMF/PWD	1	16	LDMF/PWD	1	16	LDMF/PWD	5.2	83.2
12	Sea Shore Plantation(ha)	5.45	13.5	LDMF/PWD	6.95	17.15	LDMF/PWD	3.96	9.8	LDMF/PWD	4.96	12.3	LDMF/PWD	8.93	22.05	LDMF/PWD	30.25	74.72
V. Land Development																		
13	Coconut seedlings	1680	8.4	ADF	1205	6.025	ADF	1195	5.975	ADF	1190	5.95	ADF	1105	5.525	ADF	6375	31.875
14	Coconut Trench	150	2.25	ADF	170	2.55	ADF	150	2.25	ADF	175	2.63	ADF	155	2.325	ADF	800	12

Table No. IV . 1.3.a contd.....

Sl.No	Missing Infrastructure/ Works proposed	Year																
		2010-2011			2011-2012			2012-2013			2013-2014			2014-2015			Total	
		No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)	Proposed under which Prog (Convergence)	No. of works / activity taken up	Cost (Rs.In Lakhs)
15	Coconut pathi	38	6.46	ADF	34	5.78	ADF	28	4.76	ADF	20	3.4	ADF	20	3.4	ADF	140	23.8
16	Waste Pit	160	2.4	ADF	195	2.925	ADF	210	3.15	ADF	150	2.25	ADF	195	2.925	ADF	910	13.65
17	Land Development and Island Cleaning (ha)	60	2.88	DSP	55	2.64	DSP	70	3.36	DSP	75	3.6	DSP	70	3.36	DSP	330	15.84
18	Horticulture (ha)	3.97	3.92	RKVY	4.96	4.9	RKVY	4.46	4.41	RKVY	19.84	19.6	RKVY	12.4	12.25	RKVY	45.63	45.08
19	Bio Fencing(m)	1000	2	RKVY	1000	2	RKVY	1000	2	RKVY	3500	7	RKVY	2500	5	RKVY	9000	18
IV. Other Works																		
20	Septic tank	65	5.85	TSC	69	6.21	TSC	57	5.13	TSC	55	4.95	TSC	89	8.01	TSC	335	30.15
21	Coconut climbing	0	0	ADF/CB	0	0	ADF/CB	0	37.5	ADF/CB	0	37.5	ADF/CB	0	37.5	ADF/CB	0	112.5
Note: PRWSS - Protected Rural Water Supply Scheme, ADF - Agriculture Department Fund, PWD &ST - Public Works Department and Science and Technology Dept.																		
DSP - Development t Scheme of Panchayat , TSC- Total Sanitation Campaign, EFD - Environmental Forestry Department, LDMF- Lakshadweep Disaster Management Fund, CB- Coconut Board																		

Source: Consolidated from table nos. V.1.5.a & V.2.5.a

Table No. IV.1.3.b: (Block: Amini) : Missing Infrastructure / Proposed Works: FINALIZED (Type of works, no of work and Proposed under which Program) - Convergence
Name of Block : Amini(Amini &Kadamat)

Sl.No	Missing Infrastructure/ works proposed	Year														
		2010-2011					2011-2012					2012-2013				
		No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to No of persons
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	IV	17
I. Water Conservation																
I.1	Digging of pond	2	0	1440	1%	38	2	0	1440	1%	37	3	0	2100	1%	60
I.2	Percolation of well	12	0	1814	1%	48	18	0	2721	1%	71	15	0	2267	1%	63
I.3	Rain Water Tank	60	0	12000	6%	317	75	0	10800	5%	281	65	0	9360	4%	260
I.4	Well recharge pit	85	0	1020	0%	27	90	0	1080	0%	28	50	0	600	0%	17
I.5	Husk Burial	450	0	21000	10%	570	450	0	21000	10%	562	455	0	21840	10%	606
I.6	Chakirikulam	30	0	600	0%	IV	30	0	600	0%	IV	35	0	700	0%	19
II. Renovation of Traditional Water bodies																
II.1	Well renovation	125	0	9000	4%	237	135	0	9720	4%	253	125	0	9000	4%	250
II.2	Pond renovation	19	0	4560	2%	120	24	0	5760	3%	150	19	0	4560	2%	126
III. Rural Connectivity																
III.1	Link Road (km)	1.5	0	28800	13%	760	1.5	0	28800	13%	749	1.5	0	28800	13%	799
III.2	Ring road (km)	5	0	96000	44%	2533	5.5	0	105600	47%	2745	4	0	76800	36%	2130
IV. Flood Control																
IV.1	Anti sea erotion work(km) (Tetrapole or holloblock)	1.7	0	13056	6%	345	1	0	7680	3%	200	0.5	0	3840	2%	107
IV.2	Sea Shore Plantation(ha)	5.45	0	6468	3%	171	6.95	0	8232	4%	214	3.96	0	4704	2%	130

Table No. IV.1.3.b contd.....

Sl.No	Missing Infrastructure/ works proposed	Year														
		2010-2011					2011-2012					2012-2013				
		No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to No of persons
V. Land Development																
V.1	Coconut seedlings	1680	0	4032	2%	106	1205	0	2892	1%	75	1195	0	2868	1%	80
V.2	Coconut Trench	150	0	1800	1%	47	170	0	2040	1%	53	150	0	1800	1%	50
V.3	Coconut pathi	38	0	3101	1%	82	34	0	2774	1%	72	28	0	2285	1%	63
V.4	Waste Pit	160	0	1920	1%	51	195	0	2340	1%	61	210	0	2520	1%	70
V.5	Land Development and Island Cleaning (ha)	60	0	2304	1%	61	55	0	2112	1%	55	70	0	2688	1%	75
V.6	Horticulture (ha)	3.97	0	3136	1%	83	4.96	0	3920	2%	102	4.46	0	3528	2%	98
V.7	Bio Fencing(m)	1000	0	960	0%	25	1000	0	960	0%	25	1000	0	960	0%	27
IV. Other Works																
IV.1	Septic tank	65	0	2808	1%	74	69	0	2981	1%	78	57	0	2894	1%	80
IV.2	Coconut climbing	0	0	0	0%	0	0	0	0	0%	0	0	0	30000	14%	832
	Total		0	216419	100%	5711		0	224052	100%	5825		0	214174	100%	5941

Table No. IV.1.3.b contd.....

Table No. IV.1.3.b: (Block: Amini) : Missing Infrastructure / Proposed Works: FINALIZED (Type of works, no of work and Proposed under which Program) - Convergence
Name of Block : Amini(Amini &Kadamat)

Sl.No	Missing Infrastructure/ works proposed	Year														
		2013-2014					2014-2015					Total				
		No. of works / activity taken up	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to No of persons	Mandays converted in to No of persons
18	19	20	22	23	24	25	26	27	28	29	30	31	32	33	34	35
I. Water Conservation																
I.1	Digging of pond	2	0	1440	1%	38	1	0	720	0%	19	10	0	7200	1%	40
I.2	Percolation of well	15	0	2268	1%	60	13	0	1965	1%	51	73	0	11035	1%	61
I.3	Rain Water Tank	55	0	7920	3%	208	55	0	7920	3%	205	310	0	48000	4%	264
I.4	Well recharge pit	70	0	840	0%	22	50	0	600	0%	15	345	0	4140	0%	23
I.5	Husk Burial	455	0	21840	9%	573	470	0	22560	9%	583	2280	0	109440	10%	601
I.6	Chakirikulam	30	0	600	0%	IV	25	0	500	0%	13	150	0	3000	0%	IV
II. Renovation of Traditional Water bodies																
II.1	Well renovation	126	0	9072	4%	238	135	0	9720	4%	251	646	0	46512	4%	256
II.2	Pond renovation	19	0	4560	2%	120	19	0	4560	2%	118	100	0	24000	2%	132
III. Rural Connectivity																
III.1	Link Road (km)	2	0	38400	17%	1008	1.5	0	28800	12%	744	8	0	153600	14%	844
III.2	Ring road (km)	3.5	0	67200	29%	1764	4.5	0	86400	36%	2231	22.5	0	432000	38%	2374
IV. Flood Control																
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	1	0	7680	3%	202	1	0	7680	3%	198	5.2	0	39936	4%	219
IV.2	Sea Shore Plantation(ha)	4.96	0	5880	3%	154	8.93	0	10584	4%	273	30.25	0	35868	3%	197

Table No. IV.1.3.b contd.....

Sl.No	Missing Infrastructure/ works proposed															
		2013-2014					2014-2015					Total				
		No. of works / activity taken up	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to no.of persons	No. of works / activity taken up	Expected No of Self employment	Expected mandays generation	Weighatge	Mandays converted in to No of persons	Mandays converted in to no of persons
V. Land Development																
V.1	Coconut seedlings	1190	0	2856	1%	75	1105	0	2652	1%	68	6375	0	15300	1%	84
V.2	Coconut Trench	175	0	2100	1%	55	155	0	1860	1%	48	800	0	9600	1%	53
V.3	Coconut pathi	20	0	1632	1%	43	20	0	1632	1%	42	140	0	11424	1%	63
V.4	Waste Pit	150	0	1800	1%	47	195	0	2340	1%	60	910	0	10920	1%	60
V.5	Land Development and Island Cleaning (ha)	75	0	2880	1%	76	70	0	2880	1%	74	330	0	12864	1%	71
V.6	Horticulture (ha)	19.84	0	15680	7%	412	12.4	0	9800	4%	253	45.63	0	36064	3%	198
V.7	Bio Fencing(m)	3500	0	3360	1%	88	2500	0	2400	1%	62	9000	0	8640	1%	47
IV. Other Works																
IV.1	Septic tank	55	0	2808	1%	74	89	0	3844	2%	99	335	0	15335	1%	84
IV.2	Coconut climbing	0	0	30000	13%	788	0	0	30000	13%	775	0	0	90000	8%	495
	Total		0	230816	100%		4913.75		239417	100%		21875.87		1124878	100%	6182

Source: Consolidated from table nos. V.1.5.b & V.2.5.b

Table No. IV.1.3.c: (Block : Amini) Missing infrastructure / Proposed Works Block Panchayat: FINALIZED (Expected number of Self Employment, Expected Mandays Generated and Mandays converted in to number of persons Name of Block : Amini(Amini &Kadamat)																			
Sl.No	Missing Infrastructure/ Works proposed	Year																	
		2010-2011						2011-2012						2012-2013					
		Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
I. Water Conservation																			
I.1	Digging of ponds/desilting	3	0	1440	1%	38	1440	3	0	1440	1%	37	1440	4.5	0	2160	1%	60	2160
I.2	Percolation of well	3.78	0	1814	1%	48	1814	5.67	0	2721	1%	71	2721	4.725	0	2267	1%	63	2267
I.3	Rain Water Tank	18	0	12000	6%	317	12000	22.5	0	10800	5%	281	10800	19.5	0	9360	4%	260	9360
I.4	Well recharge pit	1.275	0	1020	0%	27	1020	1.35	0	1080	0%	28	1080	0.75	0	600	0%	17	600
I.5	Husk Burial	45	0	21600	10%	570	21600	45	0	21600	10%	562	21600	45.5	0	21840	10%	606	21840
I.6	Chakirikulam	0.75	0	600	0%	16	600	0.75	0	600	0%	16	600	0.875	0	700	0%	19	700
II. Renovation of Traditional Water bodies																			
II.1	Well renovation	18.75	0	9000	4%	237	9000	20.25	0	9720	4%	253	9720	18.75	0	9000	4%	250	9000
II.2	Pond renovation	9.5	0	4560	2%	120	4560	12	0	5760	3%	150	5760	9.5	0	4560	2%	126	4560
III. Rural Connectivity																			
III.1	Link Road (km)	60	0	28800	13%	760	28800	60	0	28800	13%	749	28800	60	0	28800	13%	799	28800
III.2	Ring road (km)	200	0	96000	44%	2533	96000	220	0	105600	47%	2745	105600	160	0	76800	36%	2130	76800
IV. Flood Control																			
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	27.2	0	13056	6%	345	13056	16	0	7680	3%	200	7680	8	0	3840	2%	107	3840
IV.2	Sea Shore Plantation(ha)	13.47	0	6468	3%	171	6468	17.15	0	8232	4%	214	8232	9.8	0	4704	2%	130	4704

Table No. IV.1.3.c contd.....

Sl.No	Missing Infrastructure/ Works proposed	Year																			
		2010-2011						2011-2012						2012-2013							
		Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment		
V. Land Development																					
V.1	Coconut seedlings	8.4	0	4032	2%	106	4032	6.025	0	2892	1%	75	2892	5.975	0	2868	1%	80	2868		
V.2	Coconut Trench	2.25	0	1800	1%	47	1800	2.55	0	2040	1%	53	2040	2.25	0	1800	1%	50	1800		
V.3	Coconut pathi	6.46	0	3101	1%	82	3101	5.78	0	2774	1%	72	2774	4.76	0	2285	1%	63	2285		
V.4	Waste Pit	2.4	0	1920	1%	51	1920	2.925	0	2340	1%	61	2340	3.15	0	2520	1%	70	2520		
V.5	Land Development and Island Cleaning (ha)	2.88	0	2304	1%	61	2304	2.64	0	2112	1%	55	2112	3.36	0	2688	1%	75	2688		
V.6	Horticulture (ha)	3.92	0	3136	1%	83	3136	4.9	0	3920	2%	102	3920	4.41	0	3528	2%	98	3528		
V.7	Bio Fencing(m)	2	0	960	0%	25	960	2	0	960	0%	25	960	2	0	960	0%	27	960		
IV. Other Works																					
IV.1	Septic tank	5.85	0	2808	1%	74	2808	6.21	0	2981	1%	78	2981	5.13	0	2894	1%	80	2894		
IV.2	Coconut climbing	0	0	0	0%	0	0	0	0	0	0%	0	0	37.5	0	30000	14%	832	30000		
	Total	445.785		216419	100%	5711	216419	456.7		224052	100%	5825	224052	410.435		214174	100%	5941	214174		

Table No. IV.1.3.c contd.....

**Table No.IV.1.3.c: (Block : Amini) Missing infrastructure / Proposed Works Block Panchayat: FINALIZED (Expected number of Self Employment, Expected Mandays Generated and Mandays converted in to number of persons
Name of Block : Amini(Amini &Kadamat)**

Sl.No	Missing Infrastructure/Works Proposed	Year																	Total Employment
		2013-2014						2014-2015						Total					
		Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs))	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
I. Water Conservation																			
I.1	Digging of pond	3	0	1440	1%	38	1440	1.5	0	720	0%	19	720	15	0	7200	1%	190	7200
I.2	Percolation of well	4.725	0	2268	1%	60	2268	4.095	0	1965	1%	51	1965	22.995	0	11035	1%	292	11035
I.3	Rain Water Harvesting Tank	16.5	0	7920	3%	208	7920	16.5	0	7920	3%	205	7920	93	0	48000	4%	1268	48000
I.4	Well recharge pit	1.05	0	840	0%	22	840	0.75	0	600	0%	15	600	5.175	0	4140	0%	109	4140
I.5	Husk Burial	45.5	0	21840	9%	573	21840	47	0	22560	9%	583	22560	228	0	109440	10%	2891	109440
I.6	Chakirikulam	0.75	0	600	0%	16	600	0.625	0	500	0%	13	500	3.75	0	3000	0%	79	3000
II. Renovation of Traditional Water bodies																	0%	0	
II.1	Well renovation	18.9	0	9072	4%	238	9072	20.25	0	9720	4%	251	9720	96.9	0	46512	4%	1229	46512
II.2	Pond renovation	9.5	0	4560	2%	120	4560	9.5	0	4560	2%	118	4560	50	0	24000	2%	634	24000
III. Rural Connectivity																	0%	0	
III.1	Link Road (km)	80	0	38400	17%	1008	38400	60	0	28800	12%	744	28800	320	0	153600	14%	4058	153600
III.2	Ring road (km)	140	0	67200	29%	1764	67200	180	0	86400	36%	2231	86400	900	0	432000	38%	11413	432000

Table No. IV.1.3.c contd.....

Sl.No	Missing Infrastructure/Works Proposed	Year																	Total Employment
		2013-2014						2014-2015						Total					
		Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	Total Employment	Cost (Rs. In lakhs)	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	
IV. Flood Control																			
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	16	0	7680	3%	202	7680	16	0	7680	3%	198	7680	83.2	0	39936	4%	1055	39936
IV.2	Sea Shore Plantation(ha)	12.25	0	5880	3%	154	5880	22.05	0	10584	4%	273	10584	74.725	0	35868	3%	948	35868
V. Land Development																	0%	0	
V.1	Coconut seedlings	5.95	0	2856	1%	75	2856	5.525	0	2652	1%	68	2652	31.875	0	15300	1%	404	15300
V.2	Coconut Trench	2.625	0	2100	1%	55	2100	2.325	0	1860	1%	48	1860	12	0	9600	1%	254	9600
V.3	Coconut pathi	3.4	0	1632	1%	43	1632	3.4	0	1632	1%	42	1632	23.8	0	11424	1%	302	11424
V.4	Waste Pit	2.25	0	1800	1%	47	1800	2.925	0	2340	1%	60	2340	13.65	0	10920	1%	289	10920
V.5	Land Development and Island Cleaning (ha)	3.6	0	2880	1%	76	2880	3.36	0	2880	1%	74	2880	15.84	0	12864	1%	340	12864
V.6	Horticulture (ha)	19.6	0	15680	7%	412	15680	12.25	0	9800	4%	253	9800	45.08	0	36064	3%	953	36064
V.7	Bio Fencing(m)	7	0	3360	1%	88	3360	5	0	2400	1%	62	2400	18	0	8640	1%	228	8640
IV. Other Works																	0%	0	
IV.1	Septic tank	4.95	0	2808	1%	74	2808	8.01	0	3844	2%	99	3844	30.15	0	15335	1%	405	15335
IV.2	Coconut climbing	37.5	0	30000	13%	788	30000	37.5	0	30000	13%	775	30000	112.5	0	90000	8%	2378	90000
Total		435.05		230816	100%	6060	230816	458.565		239417	100%	6182		2195.64		1124878	100%	29719	1124878

Source: Consolidated from table nos. V.1.5.c & V.2.5.c

1.9. Sectors & Profile of Activities identified for MGNREGS

Six sectors have been identified under MGNREGS for Amini Block. These sectors are

1. Water Conservation
2. Renovation of Traditional Water Bodies
3. Rural Connectivity
4. Flood Controls
5. Land Development
6. Other works.

The main works proposed in each of this sector are the following.

1.9.1. Water Conservation:

Water conservation has been one of the important priority sectors identified for the Block and the major works undertaken in this sector are given table no. IV.1.4. Husk burial and Rain water harvesting Tank together constitute the majority of the work in the island. Over 85 percent of the cost is also shall be spend towards these two activities under the water conservation sector.

Table No.IV.1.4 : Details of the Works under Water Conservation in Amini Block

<i>Works Proposed</i>	<i>Number of Works</i>	<i>Mandays</i>	<i>Cost (In Lakhs)</i>
1. Digging of Pond	10	7200 (3.94%)	15 (4.08%)
2. Percolation of Well	73	11035 (6.04%)	22.99 (6.25%)
3. Rain Water Harvesting Tank	310	48000 (26.26%)	93 (25.28%)
4. Well Recharge Pit	345	4140 (2.26%)	5.18 (1.41%)
5. Husk Burial	2280	109440 (59.86%)	228 (61.96%)
6. Chakirikkulam	150	3000 (1.64%)	3.75 (1.02%)
Total		182815 (100%)	367.92 (100%)

Source: Computed from table no. IV.1.3.a, IV.1.3.b & IV.1.3.c

1.9.2. Renovation of the Traditional Water bodies

Renovation of the traditional water bodies has been identified as another priority sector of the block for undertaking MGNREGS works. The main works undertaken in this sector are given in table no. IV.1.5. These two works would facilitate making the traditionally available water bodies usable for the households in the block. Preservation of the traditional water bodies also is intended to preserve the island ecology too.

Table No.IV.1.5: Details of the Works under Renovation of the Traditional Water Bodies in Amini Block

<i>Works Proposed</i>	<i>Number of Works</i>	<i>Mandays</i>	<i>Cost (In Lakhs)</i>
1. Well Renovation	646	46512 (65.96%)	96.9 (65.96%)
2. Pond Renovation	100	24000 (34.04%)	50 (34.04%)
Total		70512 (100%)	146.9 (100%)

Source: Computed from table no. IV.1.3.a, IV.1.3.b & IV.1.3.c

1.9.3. Rural Connectivity

Under Rural connectivity 30.5 kilometers of road shall be constructed in the block. The detail of this is given in the table no. IV.1.6. Rural connectivity is the sector that generates largest mandays in the whole block like in other block. In most of the blocks too this sector is the lead sector.

Table No.IV.1.6 :Details of the Works under Rural Connectivity in Amini Block

<i>Works Proposed</i>	<i>Number of Works</i>	<i>Mandays</i>	<i>Cost (In Lakhs)</i>
1. Link Road	8 Km	153600 (26.23%)	320 (26.23%)
2. Ring Road	22.5 Km	432000 (73.77%)	900 (73.77%)
Total		585600 (100%)	1220 (100%)

Source: Computed from table no. IV.1.3.a, IV.1.3.b & IV.1.3.c

1.9.4. Flood Control

Sea erosion and sea encroachment are two important problems of both the islands in this block. Amini Block also has the ill effects of climate change and also often affected by various disasters especially during monsoon. The following works are therefore recommended for this block (table no. IV.1.7).

Table No.IV.1.7: Details of the Works under Flood Control in Amini Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Anti Sea Erosion Work (Tetra Pole / Hollow Block)	5.2 Km	39936 (52.68%)	83.2 (52.68%)
2. Sea Shore Plantation	15.25 Ha	35868 (47.32%)	74.725 (47.32%)
Total		75804 (100%)	157.925 (100%)

Source: Computed from table no. IV.1.3.a, IV.1.3.b & IV.1.3.c

1.9.5. Land Development

Land development been identified as the third important sector for the block and this would potentially facilitate the beautification of the various islands with in Amini Block. It also improves the economic value of the block by addressing the productivity of the various crops in the Block (table no.IV.1.8).

Table No.IV.1.8: Details of the Works under Land Development in Amini Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Coconut Seedling	6375	15300 (14.60%)	31.875 (19.89%)
2. Coconut Trench	800	9600 (9.16%)	12 (7.50%)
3. Coconut Pathy	140	11424 (10.90%)	23.8 (14.85%)
4. Waste Pit	910	10920 (10.42%)	13.65 (8.52%)
5. Land Development and Island Cleaning	330 Ha	12864 (12.27%)	15.84 (9.88%)
6. Horticulture	0.92 Ha	36064 (34.41%)	45.08 (28.13%)
7. Bio Fencing	9000 Meter	8640 (8.24%)	18 (11.23%)
Total		104812 (100%)	160.245 (100%)

Source: Computed from table no. IV.1.3.a, IV.1.3.b & IV.1.3.c

1.9.6. Other works

Those works that do not fall in any of the above categories are put under the other works category.

The following are the major works proposed under this sector (table no.IV.1.9).

Table No.IV.1.9 :Details of the Works under Other Works in Amini Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Septic Tank	335	15335 (14.56%)	30.15 (14.56%)
2. Coconut Climbing	Coconut climbing work is calculated not as number of work. This is further calculated based on the number of trees in the islands and the average number of trees that a climber can engage in a day.	90000 (85.44%)	112.5 (85.44%)
Total		105335 (100%)	142.65 (100%)

Source: Computed from table no. IV.13.a, IV.1.3.b & IV.1.3.c

1.10. Sector wise distribution of Cost & Mandays Generated

Rural connectivity, water conservation and flood control are the lead sectors both in terms of mandays generated and budget. It shows 52.06 percent of mandays are generated through works connected to rural connectivity which is in fact the largest single sector that generate maximum of mandays in the block under MGNREGS (table no. IV.10 and diagrams nos. IV.1.i & IV.1.ii).



IEC under MGNREGA in Amini Island



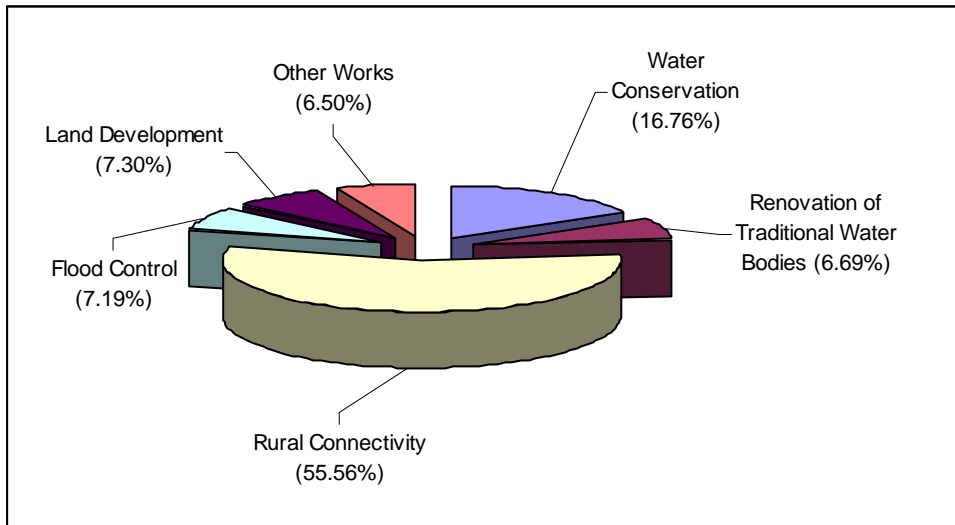
Discussions with VDP Members, Amini during the field visit

Table No. IV.1.10: Sector wise cost and Mandays distribution -AMINI BLOCK

AMINI BLOCK														
Employable Sectors	Cost and Mandays Generation (Cost in lakhs & Mandays in number)													
	2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		Total		Percentage	
	Cost	Mandays Created	Cost	Mandays Created	Cost	Mandays Created	Cost	Mandays Created	Cost	Mandays Created	Cost	Mandays Created	Cost	Mandays Created
Water Conservation.	71.8	38474	78.27	38241	75.85	36927	71.52	34908	70.47	34265	367.91	182815	16.76%	16.25%
Renovation of Traditional Water Bodies.	28.25	13560	32.25	15480	28.25	13560	28.4	13632	29.75	14280	146.9	70512	6.69%	6.27%
Rural Connectivity.	260	124800	280	134400	220	105600	220	105600	240	115200	1220	585600	55.56%	52.06%
Flood Control.	40.68	19524	33.16	15912	17.8	8544	28.28	13560	38.06	18264	157.98	75804	7.19%	6.74%
Land Development.	28.31	17253	26.82	17038	25.91	16649	44.425	30308	34.78	23564	160.25	104812	7.30%	9.32%
Other works	5.86	2808	6.21	2981	42.63	32894	42.45	32808	45.51	33844	142.66	105335	6.50%	9.36%
Total	434.90	216419	456.71	224052	410.44	214174	435.075	230816	458.57	239417	2195.70	1124878		
Percentage	19.81%	19.24%	20.80%	19.92%	18.69%	19.04%	19.81%	20.52%	20.89%	21.28%	-	-	100.00%	100.00%

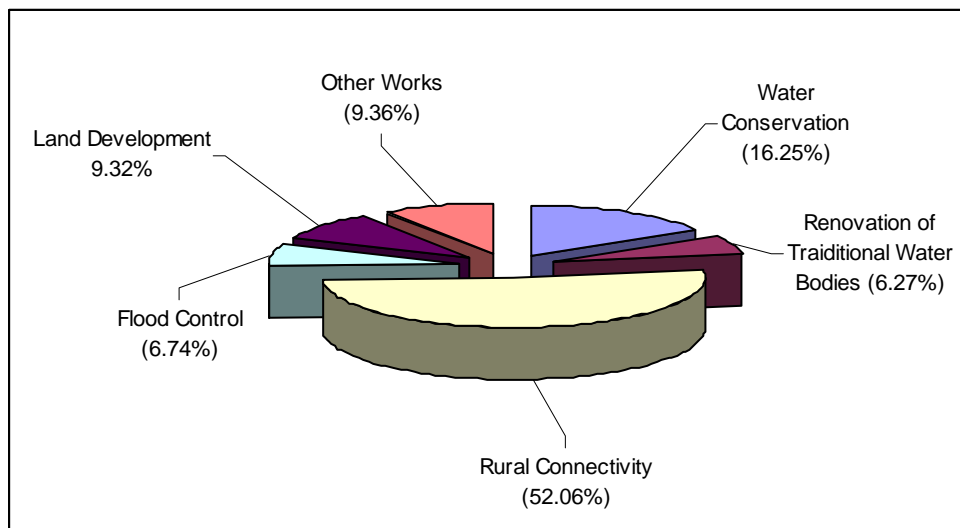
Source : Computed from table no. IV.1.3.a, IV.1.3.b & IV.1.3.c

Diagram No. IV.1.i :Sector Wise Distribution of Cost



Source: table no IV.1.10

Diagram No.IV.1.ii. Sector Wise Distribution of Mandays

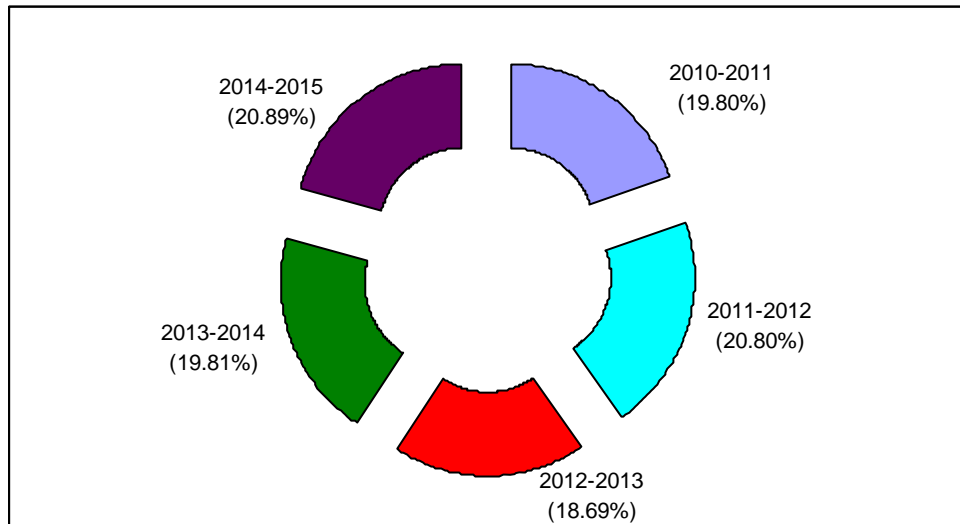


Source: table no IV.1.10

1.11. Year Wise Distribution of Cost and Mandays

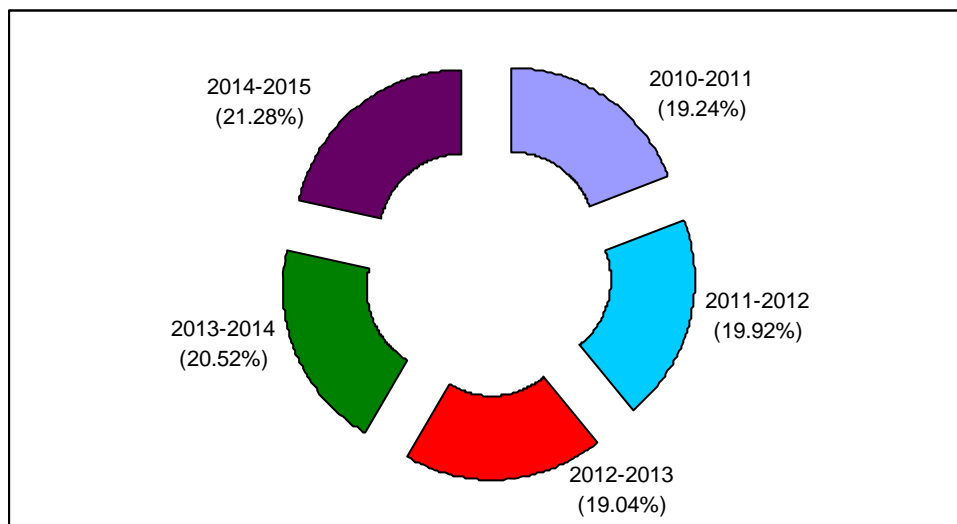
A Year wise distribution of the cost as well as mandays is given in diagrams no IV.1.iii & IV.1.iv. It suggests that both mandays and cost is distributed across the years almost equally in 2010-11, 2011-12 and 2013-14. Period for 2012-13 marks the lowest.

Diagram No.IV.1.iii. Year Wise Distribution of Cost



Source: table no IV.1.10

Diagram No.IV.1.iv. Year Wise Distribution of Mandays



Source: table no IV.1.10

1.12. Island wise distribution of cost and mandays in Amini Block

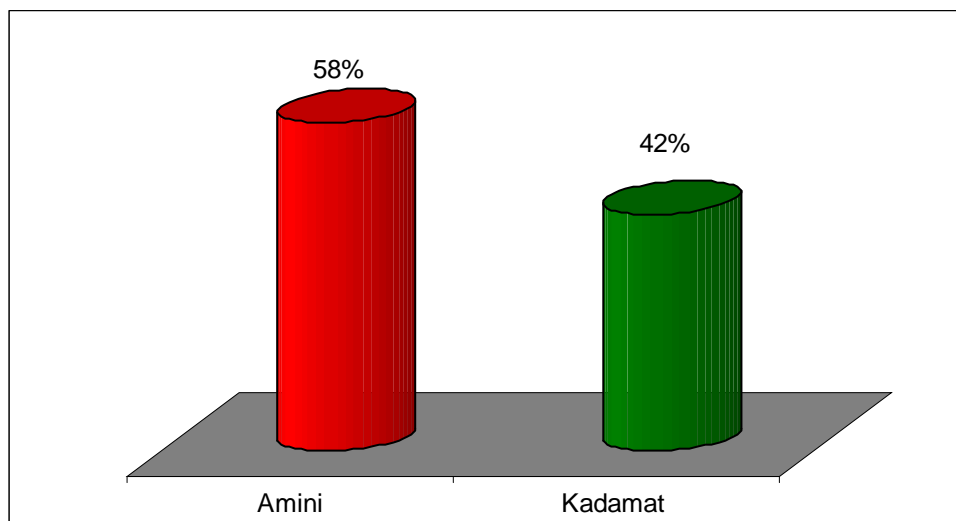
The table no. IV.1.11 and diagram nos.IV.1.v & IV.1.vi suggest the summary details of the island wise distribution of both cost and mandays in Amini Block. It suggests that Amini Island share the highest in terms of both cost and mandays compared to Kadamat Island.

Table No. IV.1.11: Island wise Distribution of Cost and mandays - AMINI BLOCK

Island	Water Conservation.		Renovation of Traditional Water Bodies.		Rural Connectivity		Flood Control		Land Development.		Other works		Total		Percentage	
	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays
Amini	226.57	111132	67.65	32472	720	345600	103.88	49848	81.5	50160	68.40	51696	1268.97	640908	58%	57%
Kadamat	141.34	71683	79.25	38040	500	240000	54.11	25956	78.75	54652	74.25	53639	927.70	483970	42%	43%
Total	367.91	182815	146.9	70512	1220	585600	157.99	75804	160.25	104812	142.65	105335	2195.70	1124878	100%	100%

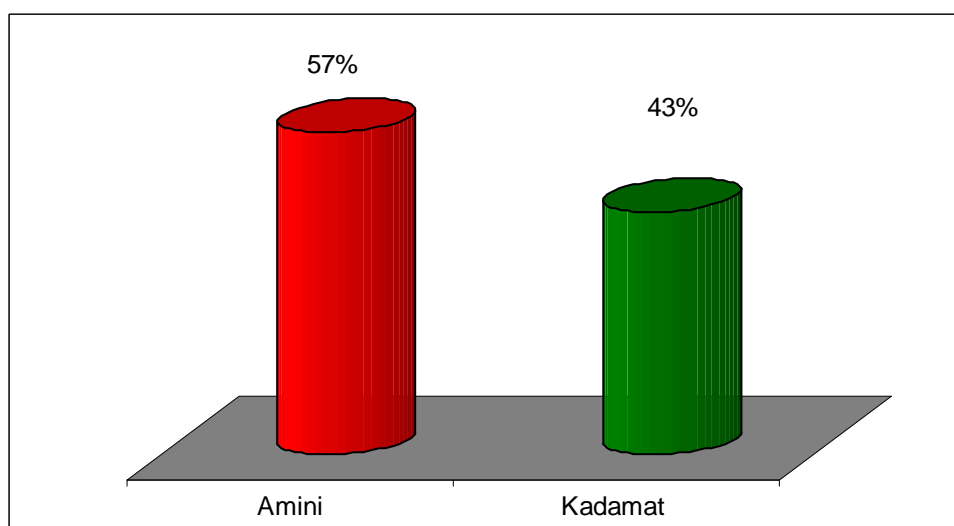
Source: Computed from table nos. V.1.5.a, V.1.5.b, V.1.5.c, V.2.5.a, V.2.5.b & V.2.5.c

Diagram No.IV.1.v: Island Wise Distribution of Cost



Source : table no. IV.1.11

Diagram No. IV.1.vi :Island Wise Distribution of Mandays



Source : table no. IV.1.11

1.13. Factors Influencing Work Implementation

The following factors affect the implementation of the works in the Block. While preparing the island wise implementation calendar these factors have been taken in to consideration and widely discussed in Chapter V.

- Seasonality of the island and the labour availability
- Religious Festivals and Practices (Ramzaan & Fasting)
- Gender Issues and women participation in work
- Material Transportation –Cost effectiveness
- Seasonality of Agricultural Crops
- Land Acquisition

1.14. Over all Outcomes of the MGNREGS work in Amini

The following factors have been taken in to consideration and widely discussed while discussing the island wise outcome of the MGNREGS work in Chapter V.

- Effect on Agriculture
- Traditional agrarian practices are preserved
- Poverty Reduction
- Women Empowerment
- Traditional Nature of the Island
- Capacity Building of the Village Dweep Panchayats
- Disaster Mitigation and Climate Change Management

1.15. Concluding Remarks

The MGNREGS perspective plan of Amini Block identified six major areas. The plan provides a road map of implementation. The implementation of the perspective plan for this block will generate a total of 1124878 mandays with a budget of Rs.2195.70 lakhs for a period of five years. The scheme strengthens the women empowerment efforts through providing space for employment and equal pay for both men and women. Most important to say that it would strengthen the local economic base of the block (Amini & Kadamat Islands) and make the economically active sectors more productive. The scheme has the potential to remove the existing poverty profile in the block.



Islands need similar seashore protection with beautification under MGNREGS