

2. ANDROTT Community Development Block

Andrott Block consists of Andrott and Kalpeni Islands. Cheriya & Pitty two satellite islands of Kalpeni are also under the jurisdiction of the block. The following section includes the perspective plan of MGNREGS in the Block.

2.1. Population

According to the latest population estimates Andrott Block comes to 16612. Out of this, 8446 (50.84%) are males and 8166 (49.16%) are female. The sex ratio of the Block is 967 females per 1000 population which is slightly higher compared to the Lakshadweep average of 952 females per 1000 males according to the population projections of year 2009. The population of Andrott Block according to 2001 census comes to 15048 (7635 males and 7413 Females) of which 14223 (94.52%) are scheduled tribes. According to latest figures there are 2444 households out of which only 254 families are below the poverty line (BPL) which comes to roughly 10.39 percent of the total family. Poverty percentage of the Lakshadweep as a whole is 11.40 and comparing to this the poverty percentage of Andrott is slightly less. Population growth during 1999-2001 in the Block also suggest a growth in the population from 13206 in year 1991 to 15048 in year 2001 marking a growth of 11.69 percent. The population density of the Block comes to 2055 according to 2001 census statistics. According to 2001 census the literacy rate of Andrott Block is 84.36 percent. This is less compared to the over all average of Lakshadweep which comes to 86.66 percent. Out of this the male literacy is 92.15 percent and female literacy is 76.02 percent. In Andrott the male female literacy gap is around 16 percent which is one of the largest literacy gaps.

2.2. Work Participation

The work participation in Andrott like in the other Blocks also suggests that the females are not very active in commercial work. Over all work participation of the Block comes to 22.35 percent which suggest that out of the total 15048 population in 2001 only 3363 are working. The female work participation further suggests that only 436 women out of the total 7413 women participate in work which comes to 5.88 percent. The female work participation rate suggests that the rate is low

compared to the Lakshadweep average of 7.28 percent. Comparing both the islands in this block women participation is highest in Kalpeni which is 11.94 percent. The poor participation of women in work would be an important challenge while implementing the works of MGNREGA in the block.

2.3. Women Empowerment

Like in other Blocks in Lakshadweep, women in Andrott also are not keen for hard labour work. A total of 99 women self help groups exist in Andrott Block. These self help group meets regularly and discuss various issues of the island apart from their thrift and credit activities. The average membership of the group varies from 15 to 20 women per group. There are 19 elected ward representatives from both the islands out of which seven are women members.

2.4. Infrastructure Facilities & Amenities

The infrastructure and amenities in the block include ponds, wells, schools, health centers and other basic amenities. The table no. IV.2.1 provides the detail of the infrastructure and the amenities in the Block.

Table No.IV. 2.1: Infrastructure and Amenities in Andrott Block

Amenities / Infrastructure	Unit	Particulars
Pond (2009)	Number	340
Well (2009)	Number	3557
PWD Road (2009)	Kilometer	45.02 Km
Lower Primary School (2009)	Number	3
Upper Primary School (2009)	Number	3
High School	Number	4
Higher Secondary School (2009)	Number	2
Anganwadi (2009)	Number	21
Krishi Bhawan (2009)	Number	2
Veterinary Hospital (2009)	Number	2
Primary Health Centre (2009)	Number	2
Sub Centre (2009)	Number	2

Amenities / Infrastructure	Unit	Particulars
Library (2009)	Number	2
Rain Water Harvesting Tank (2009)	Number	61
Post Office (2002)	Number	2
Power Generation (2006-07)	Kwh	6010.316
Power Consumption - Domestic (2006-07)	Kwh	4136.31
Power Consumption – Commercial (2006-07)	Kwh	889.4
Power Consumption – Industrial (2006-07)	Kwh	61.03
Power Connections – Domestic (2006-07)	Number	4083
Power Connections – Commercial (2006-07)	Number	869
Power Connections – Industrial (2006-07)	Number	78
Telephone Connections (2007)	Number	2178

Source: Basic Statistics, 2007, Directorate of Planning and Statistics

Participatory Discussions during field visit with various stakeholders in the block.

2.5. Local Economy

Like many other Blocks the lead sectors of Andrott Block include; agriculture, animal husbandry, poultry and fisheries. Coconut is the dominating crop of the island. A total of 190.7 lakhs of coconuts have been harvested in the Block in 2006-07. Apart from the coconut production the Andrott also produced milk and egg. A total of 496252 liters of milk and 3303407 eggs have been produced in the Block in the year 2006-07. A significant amount of the production of milk and egg are from the private sector.

Fish landing showed an increase from 2005 tones in 1997 to 2089 tones in 2006 marking nearly four percent growth. The value earned from fish trade also simultaneously increased from 277.77 lakhs in 1997 to 418 lakhs in 2006. In Andrott the fish landing suggest a decline from 1997 while in Kalpeni the fish landing increased in 1998 and declined further.

2.6. MGNREGA Governance and Registration Trend

An assessment of the past MGNREGA records suggest that a total of 2198 families were registered for MGNREGA work and out of this only 1725 (78.48%) applicants have been issued job cards. This could be because in Lakshadweep unlike in other places job cards are issued only if confirmed jobs are available in Andrott Block. A total of 25529 mandays have been created and out

of this women worked in 11022 days marking 43.17 percent participation of females in MGNREGA work in the Andrott Block. The major works undertaken include, new well construction, new pond, renovation of pond, foot path construction etc.

2.7. Labour supply Trend

Andrott Block, as other blocks in Lakshadweep has a very specific labour supply trend which suggest that people particularly women prefer soft labour. Assuming a 3.5 percent growth in the labour force over the next five years the labour force available at the end of the fifth year would be 6502. The table no. IV.2.2 suggests that labour projections made for the Block for the next five years. The labour projections are based on the population growth trend and the labour availability in the island where current year is taken as the base year for calculations.

Table No.IV.2. 2: MGNREGA Labour Supply Projections

<i>Block</i>	<i>2010-11</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>Remarks</i>
Andrott	5917 (30.86%)	6080 (30.74%) 30.61%)	6248 (30.61%)	6422 (30.47%)	6502 (30%)	3.5 % Increase is assumed
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

2.8. Work Proposal

The work proposal of block has been calculated by cumulating the statistics at the two islands in the block. The table nos. IV.2.3.a, IV.2.3.b & IV.2.3.c suggest the finalized works. Work selection has taken into account of factors like gender practices of work, ecological pressure on the island, land shortage, land acquisition issues, population density and the development potentials of the activity.

Table No.IV. 2.3: a. (Block: Andrott) : Missing Infrastructure / Proposed Works: FINALIZED (Type of works, no of work and Proposed under which Program) - Convergence

Name of Block : Andrott (Andrott & Kalpeni)

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)
I. Water Conservation																		
I.1	Digging of ponds	4	6	PRWSS	6	9	PRWSS	6	9	PRWSS	6	9	PRWSS	5	7.5	PRWSS	27	40.5
I.2	Percolation of well	11	3.465	PRWSS	13	4.095	PRWSS	17	5.355	PRWSS	18	5.67	PRWSS	16	5.04	PRWSS	75	23.625
I.3	Husk Burial	730	73	ADF	745	74.5	ADF	525	52.5	ADF	910	91	ADF	1045	104.5	ADF	3955	395.5
I.4	Rain water harvesting tank	91	27.3	PWD/ST	88	26.4	PWD/ST	127	38.1	PWD/ST	106	31.8	PWD/ST	139	41.7	PWD/ST	551	165.3
II. Renovation of Traditional Water bodies																		
II.1	Well renovation	96	14.4	PRWSS	115	17.25	PRWSS	145	21.75	PRWSS	121	18.15	PRWSS	123	18.45	PRWSS	600	90
II.2	Pond renovation	21	10.5	DSP	22	11	DSP	26	13	DSP	16	8	DSP	37	18.5	DSP	122	61
III. Rural Connectivity																		
III.1	Road construction(km)	4.8	192	PWD	5.5	220	PWD	4.3	172	PWD	3.7	148	PWD	3.5	140	PWD	21.8	872
IV. Flood Control																		
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	2	32	LDMF/PWD	3	48	LDMF/PWD	1.7	27.2	LDMF/PWD	2.3	36.8	LDMF/PWD	2	32	LDMF/PWD	11	176
IV.2	Sea shore plantation(ha)	4.96	12.25	EFD	6.94	17.15	EFD	6.95	17.15	EFD	4.96	12.25	EFD	3.96	9.8	EFD	27.77	68.6
V. Land Development																		
V.1	Coconut seedlings	2100	10.5	ADF	2800	14	ADF	2000	10	ADF	1800	9	ADF	1500	7.5	ADF	10200	51
V.2	Coir pith compost	22	0.33	ADF	50	0.75	ADF	55	0.825	ADF	40	0.6	ADF	53	0.795	ADF	220	3.3
V.3	Fish waste compost	18	0.27	ADF	30	0.45	ADF	25	0.375	ADF	0	0	ADF	44	0.66	ADF	117	1.755
V.4	Waste pit	140	2.1	ADF	150	2.25	ADF	200	3	ADF	180	2.7	ADF	100	1.5	ADF	770	11.55

Table No.IV. 2.3. 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)
V.5	Land development and Island Cleaning(ha)	80	3.84	DSP	65	3.12	DSP	80	3.84	DSP	60	2.88	DSP	75	3.6	DSP	360	17.28
V.6	Horticulture (ha)	9.92	9.8	RKVY	4.96	4.9	RKVY	7.44	7.35	RKVY	12.4	12.25	RKVY	9.92	9.8	RKVY	44.64	44.1
V.7	Bio fencing (m)	3000	6	RKVY	0	0	RKVY	800	1.6	RKVY	3000	6	RKVY	4000	8	RKVY	10800	21.6
V.8	Clearing bushes (ha)	10	5	DSP	5	2.5	DSP		0	DSP		0	DSP		0	DSP	15	7.5
V.9	Tree plantation school(ha)	0.013	0.613	EFD	0.023	1.105	EFD	0.011	0.515	EFD	0	0	EFD	0	0	EFD	0.047	2.233
V.10	Ground grass filling HSS Kalpeni(ha)	0.25	20	DSP		0	DSP		0	DSP		0	DSP		0	DSP	0.25	20
V.11	Vegetable garden school(ha)	0.017	2.04	ADF	0	0	ADF	0.017	2.04	ADF	0	0	ADF	0.017	2.04	ADF	0.051	6.12
VI. Other Works																		
VI.1	Septic tank	66	25.38	TSC	87	7.83	TSC	60	5.4	TSC	55	4.95	TSC	80	7.2	TSC	348	31.32
VI.2	Public toilet & urinal	1	2	TSC	0	0	TSC	2	4	TSC	1	2	TSC	0	0	TSC	4	8
VI.3	Coconut climbing	0	0	ADF/CB	0	0	ADF/CB	0	50	ADF/CB	0	50	ADF/CB	0	50	ADF/CB	0	150
VI.4	Mosquito control(days)	100	0.125	DSP	100	0.125	DSP	50	0.0625	DSP	50	0.063	DSP		0	DSP	300	0.375

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 no. V.3.5.a, V.3.5.b & V.3.5.c

Table No.IV. 2.3: b. (Block : Andrott) Missing infrastructure / Proposed Works FINALIZED (Expected number of Self Employment, Expected Mandays Generated and Mandays converted in to number of persons)																
Name of Block : Andrott (Andrott & Kalpeni)																
Sl.No	Missing Infrastructure/ Works proposed	Year														
		2010-2011					2011-2012					2012-2013				
		No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
I. Water Conservation																
I.1	Digging of ponds	4	0	2880	1%	78	6	0	4320	2%	115	6	0	4320	2%	115
I.2	Percolation of well	11	0	1663	1%	45	13	0	1965	1%	53	17	0	2570	1%	68
I.3	Husk Burial	730	0	35040	16%	946	745	0	35760	16%	956	525	0	25200	11%	669
I.4	Rain water harvesting tank	91	0	13104	6%	354	88	0	12672	6%	339	127	0	18288	8%	486
II. Renovation of Traditional Water bodies																
II.1	Well renovation	96	0	6912	3%	187	115	0	8280	4%	221	145	0	10440	4%	277
II.2	Pond renovation	21	0	5040	2%	136	22	0	5280	2%	141	26	0	6240	3%	166
III. Rural Connectivity																
III.1	Road construction(km)	4.8	0	92160	42%	2487	5.5	0	105600	46%	2823	4.3	0	82560	35%	2193
IV. Flood Control																
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	2	0	15360	7%	414	3	0	23040	10%	616	1.7	0	13056	6%	347
IV.2	Sea shore plantation (ha)	4.96	0	5880	3%	159	6.94	0	8232	4%	220	6.95	0	8232	3%	219
V. Land Development																
V.1	Coconut seedlings	2100	0	5040	2%	136	2800	0	6720	3%	180	2000	0	4800	2%	127
V.2	Coirpith compost	22	0	264	0%	7	50	0	600	0%	16	55	0	660	0%	18
V.3	Fish waste compost	18	0	216	0%	6	30	0	360	0%	10	25	0	300	0%	8
V.4	Waste pit	140	0	1680	1%	45	150	0	1800	1%	48	200	0	2400	1%	64
V.5	Land developmentand Island Cleaning(ha)	80	0	3072	1%	83	65	0	2496	1%	67	80	0	3072	1%	82
V.6	Horticulture (ha)	9.52	0	7840	4%	212	4.96	0	3920	2%	105	7.44	0	5880	2%	156
V.7	Bio fencing (m)	3000	0	2880	1%	78	0	0	0	0%	0	800	0	768	0%	20

Table No.IV.2.3: b contd.....

Sl.No	Missing Infrastructure/ Works proposed	Year														Mandays converted in to no.of persons
		2010-2011					2011-2012					2012-2013				
		No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	
V.8	Clearing bushes (ha)	12	0	4800	2%	130	5	0	2000	1%	53	0	0	0	0%	0
V.9	Tree plantation school(ha)	0.0125	0	294	0%	8	0.023	0	530	0%	14	0.011	0	248	0%	7
V.10	Ground grass filling HSS Kalpeni(ha)	0.25	0	9600	4%	259	0	0	0	0%	0	0	0	0	0%	0
V.11	Vegetable garden school(ha)	0.017	0	1632	1%	44	0	0	0	0%	0	0.017	0	1632	1%	43
VI. Other Works																
Vi.1	Septic tank	66	0	2851	1%	77	87	0	3758	2%	100	60	0	2592	1%	69
Vi.2	Public toilet	1	0	960	0%	26	0	0	0	0%	0	2	0	1920	1%	51
Vi.3	Coconut climbing	0	0	0	0%	0	0	0	0	0%	0	0	0	40000	17%	1062
Vi.4	Mosquito control(days)	100	0	100	0%	3	100	0	100	0%	3	50	0	50	0%	1
	Total		0	219271	100%	5917		0	227433	100%	6080		0	235228	100%	6248

Table No.IV. 2.3: b contd.....

Table No. IV.2.3.b. (Block : Andrott) Missing infrastructure / Proposed Works FINALIZED (Expected number of Self Employment, Expected Mandays Generated and Mandays converted in to number of persons Name of Block : Andrott(Andrott & Kalpeni)																
Sl.No	Missing Infrastructure/ works proposed	2013-2014					2014-2015					Total				
		No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
I. Water Conservation																
I.1	Digging of pond	6	0	4320	2%	121	5	0	3600	1%	95	27	0	19440	2%	519
I.2	Percolation of well	18	0	2721	1%	76	16	0	2419	1%	64	75	0	11338	1%	303
I.3	Husk Burial	910	0	43680	19%	1227	1045	0	50160	20%	1321	3955	0	189840	16%	5070
I.4	Rain water harvesting tank	106	0	15264	7%	429	139	0	20016	8%	527	551	0	79344	7%	2119
II. Renovation of Traditional Water bodies																
II.1	Well renovation	121	0	8712	4%	245	123	0	8856	4%	233	600	0	43200	4%	1154
II.2	Pond renovation	16	0	3840	2%	108	37	0	8880	4%	234	122	0	29280	3%	782
III. Rural Connectivity																
III.1	Road construction(km)	3.7	0	71040	31%	1995	3.5	0	67200	27%	1770	21.8	0	418560	36%	11177
IV. Flood Control																
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	2.3	0	17664	8%	496	2	0	15360	6%	405	11	0	84480	7%	2256
IV.2	Sea shore plantation (ha)	4.96	0	5880	3%	165	3.96	0	4704	2%	124	27.77	0	32928	3%	879
V. Land Development																
V.1	Coconut seedlings	1800	0	4320	2%	121	1500	0	3600	1%	95	10200	0	24480	2%	654
V.2	Coirpith compost	40	0	480	0%	13	53	0	636	0%	17	220	0	2640	0%	71
V.3	Fish waste compost	0	0	0	0%	0	44	0	528	0%	14	117	0	1404	0%	37
V.4	Waste pit	180	0	2160	1%	61	100	0	1200	0%	32	770	0	9240	1%	247
V.5	Land development and Island Cleaning (ha)	60	0	2304	1%	65	75	0	2880	1%	76	360	0	13824	1%	369
V.6	Horticulture (ha)	12.4	0	2880	1%	81	9.92	0	7840	3%	207	44.64	0	35280	3%	942
V.7	Bio fencing (m)	0	0	0	0%	0	4000	0	3840	2%	101	10800	0	10360	1%	277
V.8	Clearing bushes (ha)	0	0	0	0%	0	0	0	0	0%	0	15	0	6800	1%	182

Table No.IV. 2.3: b contd.....

Sl.No	Missing Infrastructure/ works proposed	Year														
		2013-2014					2014-2015					Total				
		No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No. of activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons
V.9	Tree plantation , school(ha)	0	0	0	0%	0	0	0	0%	0	0.047	0	1072	0%	29	
V.10	Ground grass filling HSS Kalpeni(ha)	0	0	0	0%	0	0	0	0%	0	0.25	0	9600	1%	256	
V.11	Vegetable garden , school(ha)	0	0	0	0%	0	0.017	0	1632	1%	43	0.051	0	4896	0%	131
VI. Other Works																
Vi.1	Septic tank	55	0	2376	1%	67	80	0	3456	1%	91	348	0	15033	1%	401
Vi.2	Public toilet	1	0	960	0%	27	0	0	0	0%	0	4	0	3840	0%	103
Vi.3	Coconut climbing	0	0	40000	17%	1123	0	0	40000	16%	1054	0	0	120000	10%	3205
Vi.4	Mosquito control(days)	50	0	50	0%	1	0	0	0	0%	0	300	0	300	0%	8
	Total		0	238451	100%	6422		0	246807	100%	6502		0	1167190	100%	31169

Source : Consolidated from table no. V.3.5.b & V.4.5.b

Table No. IV.2.3.c: (Block : Kiltan)- Missing Infrastructure / Proposed Works FINALIZED (Expected Mandays Generation, Mandays converted in to number of persons and total employment).

Name of Island : Andrott(Andrott & Kalpeni)

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 days	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 pond	6	0	2880	1%	78	2880	9	0	4320	2%	115	4320	9	0	4320	2%	116	4320
I.2	Percolation of well	3.465	0	1663	1%	45	1663	4.095	0	1965	1%	53	1965	5.36	0	2570	1%	69	2570
I.3	Husk Burial	73	0	35040	16%	953	35040	74.5	0	35760	16%	956	35760	52.5	0	25200	11%	674	25200
I.4	Rain water harvesting tank	27.3	0	13104	6%	356	13104	26.4	0	12672	6%	339	12672	38.1	0	18288	8%	489	18288
II. Renovation of Traditional Water bodies																			
II.1	Well renovation	14.4	0	6912	3%	188	6912	17.25	0	8280	4%	221	8280	21.8	0	10440	4%	279	10440
II.2	Pond renovation	10.5	0	5040	2%	137	5040	11	0	5280	2%	141	5280	13	0	6240	3%	167	6240
III. Rural Connectivity																			
III.1	Road construction(km)	192	0	92163	42%	2506	92163	220	0	105600	46%	2823	105600	172	0	82560	35%	2208	82560
IV. Flood Control																			
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	32	0	15360	7%	418	15360	48	0	23040	10%	616	23040	27.2	0	13056	6%	349	13056
IV.2	Sea shore plantation(ha)	12.25	0	5880	3%	160	5880	17.15	0	8232	4%	220	8232	17.2	0	8232	4%	220	8232
V. Land Development																			
V.1	Coconut seedlings	10.5	0	5040	2%	137	5040	14	0	6720	3%	180	6720	10	0	4800	2%	128	4800
V.2	Coirpith compost	0.33	0	264	0%	7	264	0.75	0	600	0%	16	600	0.83	0	660	0%	18	660
V.3	Fish waste compost	0.27	0	216	0%	6	216	0.45	0	360	0%	10	360	0.38	0	300	0%	8	300
V.4	Waste pit	2.1	0	1680	1%	46	1680	2.25	0	1800	1%	48	1800	3	0	2400	1%	64	2400

Table No. IV.2.3.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 days	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.5	Land development and Island Cleaning(ha)	3.84	0	3072	1%	84	3072	3.12	0	2496	1%	67	2496	3.84	0	3072	1%	82	3072
V.6	Horticulture (ha)	9.8	0	7840	4%	213	7840	4.9	0	3920	2%	105	3920	7.35	0	5880	3%	157	5880
V.7	Bio fencing (m)	6	0	2880	1%	78	2880	0	0	0	0%	0	0	1.6	0	768	0%	21	768
V.8	Clearing bushes (ha)	6	0	4800	2%	130	4800	2.5	0	2000	1%	53	2000	0	0	0	0%	0	0
V.9	Tree plantation school(ha)	0.613	0	294	0%	8	294	1.105	0	530	0%	14	530	0.52	0	248	0%	7	248
V.10	Ground grass filling HSS Kalpeni(ha)	20	0	9600	4%	261	9600	0	0	0	0%	0	0	0	0	0	0%	0	0
VI. Other Works																			
Vi.1	Septic tank	5.94	0	2851	1%	78	2851	7.83	0	3758	2%	100	3758	5.4	0	2592	1%	69	2592
Vi.2	Public toilet & urinal	2	0	960	0%	26	960	0	0	0	0%	0	0	4	0	1920	1%	51	1920
Vi.3	Coconut climbing	0	0	0	0%	0	0	0	0	0	0%	0	0	50	0	40000	17%	1070	40000
Vi.4	Musquito control(days)	0.125	0	100	0%	3	100	0.125	0	100	0%	3	100	0.06	0	50	0%	1	50
	Total	438.43	0	219271	100%	5917	219271	464.425	0	227433	100%	6080	227433	443	0	235228	100%	6248	235228

Table No. IV.2.3.c contd.....

Table No. IV.2.3.c . (Block : Kiltan)- Missing Infrastructure / Proposed Works FINALIZED(Expected Mandays Generation, Mandays converted in to number of persons and total employment).																			
Name of Island : Andrott(Andrott & Kalpeni)																			
Sl.No	Missing infrastructure / work proposed	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	Total Employment
		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	9	0	4320	2%	116	4320	7.5	0	3600	1%	95	3600	40.5	0	19440	2%	519	19440
I.2	Percolation of well	5.67	0	2721	1%	73	2721	5.04	0	2419	1%	64	2419	23.625	0	11338	1%	303	11338
I.3	Husk Burial	91	0	43680	18%	1176	43680	104.5	0	50160	20%	1321	50160	395.5	0	189840	16%	5070	189840
I.4	Rain Water Harvesting Tank	31.8	0	15264	6%	411	15264	41.7	0	20016	8%	527	20016	165.3	0	79344	7%	2119	79344
II. Renovation of Traditional Water bodies																			
II.1	Well renovation	18.15	0	8712	4%	235	8712	18.45	0	8856	4%	233	8856	90	0	43200	4%	1154	43200
II.2	Pond renovation	8	0	3840	2%	103	3840	18.5	0	8880	4%	234	8880	61	0	29280	3%	782	29280
III. Rural Connectivity																			
III.1	Road construction(km)	148	0	71040	30%	1913	71040	140	0	67200	27%	1770	67200	872	0	418560	36%	11177	418560
IV. Flood Control																			
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	36.8	0	17664	7%	476	17664	32	0	15360	6%	405	15360	176	0	84480	7%	2256	84480
IV.2	Sea shore plantation (ha)	12.25	0	5880	2%	158	5880	9.8	0	4704	2%	124	4704	68.6	0	32928	3%	879	32928
V. Land Development																			
V.1	Coconut seedlings	9	0	4320	2%	116	4320	7.5	0	3600	1%	95	3600	51	0	24480	2%	654	24480
V.2	Coirpith compost	0.6	0	480	0%	13	480	0.795	0	636	0%	17	636	3.3	0	2640	0%	71	2640
V.3	Fish waste compost	0	0	0	0%	0	0	0.66	0	528	0%	14	528	1.756	0	1404	0%	37	1404
V.4	Waste pit	2.7	0	2160	1%	58	2160	1.5	0	1200	0%	32	1200	11.55	0	9240	1%	247	9240
V.5	Land development and Island Cleaning(ha)	2.88	0	2304	1%	62	2304	3.6	0	2880	1%	76	2880	17.28	0	13824	1%	369	13824
V.6	Horticulture (ha)	12.25	0	9800	4%	264	9800	9.8	0	7840	3%	207	7840	44.1	0	35280	3%	942	35280
V.7	Bio fencing (m)	6	0	2880	1%	78	2880	8	0	3840	2%	101	3840	21.6	0	10360	1%	277	10360

Table No. IV.2.3.c contd.....

Sl.No	Missing infrastructure / work proposed	Year																	
		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	Total Employment
V.8	Clearing bushes (ha)	0	0	0	0%	0	0	0	0	0	0%	0	0	7.5	0	6800	1%	182	6800
V.9	Tree plantation , school(ha)	0	0	0	0%	0	0	0	0	0	0%	0	0	2.233	0	1072	0%	29	1072
V.10	Ground grass filling HSS Kalpeni(ha)	0	0	0	0%	0	0	0	0	0	0%	0	0	20	0	9600	1%	256	9600
V.11	Vegetable garden school(ha)	0	0	0	0%	0	0	2.04	0	1632	1%	43	1632	6.12	0	4896	0%	131	4896
VI. Other Works																			
VI.1	Septic tank	4.95	0	2376	1%	64	2376	7.2	0	3456	1%	91	3456	31.32	0	15033	1%	401	15033
VI.2	Public toilet & urinal	2	0	960	0%	26	960	0	0	0	0%	0	0	8	0	3840	0%	103	3840
VI.3	Coconut climbing	50	0	40000	17%	1077	40000	50	0	40000	16%	1054	40000	150	0	120000	10%	3205	120000
VI.4	Musquito control(days)	0.0625	0	50	0%	1	50	0	0	0	0%	0	0	0.375	0	300	0%	8	300
	Total	451.1125	0	238451	100%	6422	238451	468.585	0	246807	100%	6502	246807	2268.659	0	1167190	100%	31169	1167190

Source : Consolidated from table no. V.3.5.c & V.4.5.c

2.9. Sectors & Profile of Activities identified for MGNREGS

Six sectors have been identified under MGNREGS for Andrott 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.

2.9.1. Water Conservation:

Water conservation has been one of the important priority sectors identified for Andrott Block and the major works undertaken in this sector are given table no. IV.2.4.

Table No. IV.2.4: Details of the Works under Water Conservation in Andrott Block

<i>Works Proposed</i>	<i>Number of Works</i>	<i>Mandays</i>	<i>Cost (In Lakhs)</i>
1. Digging of Pond	27	19440 (6.48%)	40.5 (6.48%)
2. Percolation of Well	75	11338 (3.78%)	23.63 (3.78%)
3. Husk Burial	3955	189840 (63.29%)	395.5 (63.29%)
4. Rain Water Harvesting Tank	551	79344 (26.45%)	165.3 (26.45%)
Total		299962 (100%)	624.93 (100%)

Source: Computed from table no. IV.2.3.a, IV.2.3.b & IV.2.3.c

Husk burial constitutes the majority of the work (more than 60 %) in the Block and a significant part of the cost is spent for husk burial.

2.9.2. 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 work. The main works undertaken in this sector are given table no. IV.2.5.

Table No. IV.2.5: Details of the Works under Renovation of the Traditional Water Bodies in Andrott Block

<i>Works Proposed</i>	<i>Number of Works</i>	<i>Mandays</i>	<i>Cost (In Lakhs)</i>
1. Well Renovation	600	43200 (59.60%)	90 (59.60%)
2. Pond Renovation	122	29280 (40.40%)	61 (40.40%)
Total		72480 (100%)	151 (100%)

Source: Computed from table no. IV.2.3.a, IV.2.3.b & IV.2.3.c

These two works would facilitate making the traditionally available water bodies usable for the islanders. Preservation of the traditional water bodies also is intended to preserve the island ecology.

2.9.3. Rural Connectivity

Under Rural connectivity two works shall be under taken which is road construction Road construction would under take a total of 21.8 kilometers of road. This work generates a total of 418560 and would cost Rs.872 Lakhs over five years. Rural connectivity is the sector that generates largest mandays in the Block.

2.9.4. Flood Control

Sea erosion and sea encroachment are two important problems of this block like in other places. The block also has the ill effects of climate change and also often affected by various disasters due to the global climate change. The following works (table no. IV.2.6) has been proposed under this sector and these activities would potentially address the issue of sea erosion and minimize the effect of future disasters like Tsunami on the settlements in the islands in this block.

Table No. IV.2.6: Details of the Works under Flood Control in Andrott Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Anti Sea Erosion Work (Tetra Pole / Hollow Block)	11 Km	84480 (71.95%)	176 (71.95%)
2. Sea Shore Plantation	27.77 Ha	32928 (28.05%)	68.6 (28.05%)
Total		117408 (100%)	244.6 (100%)

Source: Computed from table no. IV.2.3.a, IV.2.3.b & IV.2.3.c

IV.9.5. Land Development

Land development of the island has been identified as the third important sector and this would potentially facilitate the beautification of the two islands in the block. More over it would improve the economic value of the block by addressing the productivity of the various crops in the Block.

Table No. IV.2.7: Details of the Works under Land Development in Andrott Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Coconut Seedling	10200	24480(20.47%)	51 (27.21%)
2. Coir Pit Compost	220	2640 (2.21%)	3.3 (1.76%)
3. Fish Based Compost	117	1404 (1.17%)	1.755 (0.95%)
4. Waste Pit	770	9240 (7.72%)	11.55 (6.16%)
5. Land Development and Island Cleaning	360 Ha	13824 (11.56%)	17.28 (9.22%)
6. Horticulture	0.72 Ha	35280 (29.50%)	44.1 (23.53%)
7. Bio Fencing	10800 Meter	10368 (8.67%)	21.6 (11.52%)
8. Clearing Bushes	15 Ha	6800 (5.68%)	8.5 (4.53%)
9. Tree Plantation School	0.047 Ha	1072 (0.90%)	2.233 (1.19%)
10. Ground Grass filling HSS Kalpeni	0.25 Ha	9600 (8.03%)	20 (10.67%)
11. Vegetable Garden School	0.051 Ha	4896 (4.09%)	6.12 (3.26%)
Total		119604 (100%)	187.438 (100%)

Source: Computed from table no. IV.2.3.a, IV.2.3.b & IV.2.3.c

2.9.6. Other works

Those works that do not fall in any of the above categories are put under the other works category. Septic tank, public toilet and urinals, coconut climbing and mosquito control are the major works proposed under this sector.

Table No. IV.2.8: Details of the Works Other Works in Andrott Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Septic Tank	348	15033 (10.80%)	31.32 (16.51%)
2. Public Toilet and Urinal	4	3840 (2.76%)	8 (4.22%)
3. Coconut Climbing	This is calculated according to the number of trees available in the island and the number of trees on an average climber can engage in day.	120000 (86.22%)	150 (79.07%)
4. Mosquito Control	300 Days	300 (0.22%)	0.375 (0.20%)
Total		139173 (100%)	189.695 (100%)

Source: Computed from table no. IV.2.3.a, IV.2.3.b & IV.2.3.c

2.10. 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 is found that 35.86 percent of mandays are generated through works connected to rural connectivity which is in fact the largest single sector that generate maximum number of mandays in the block under MGNREGS (table no. IV.2.9 diagram no.IV.2.i & IV.2.ii).

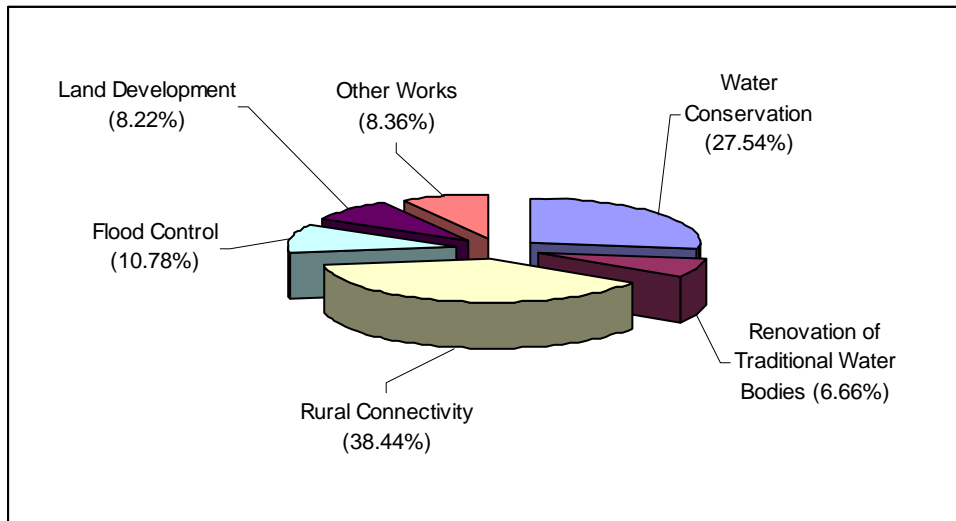


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Table No IV.2.9: Sector wise cost and Mandays distribution -ANDROTT BLOCK														
ANDROTT BLOCK														
Employable Sectors	Cost and Mandays Generation (Cost in lakhs & Mandays in number)													
	2010-2011		2011-2012		2012-2013		2013-2014		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.	109.76	52687	113.99	54717	104.95	50378	137.47	65985	158.74	76195	624.93	299962	27.54%	25.70%
Renovation of Traditional Water Bodies.	24.9	11952	28.25	13560	34.75	16680	26.15	12552	36.95	17736	151	72480	6.66%	6.21%
Rural Connectivity.	192	92160	220	105600	172	82560	148	71040	140	67200	872	418560	38.44%	35.86%
Flood Control	44.29	21240	65.18	31272	44.38	21288	49.08	23544	41.81	20064	244.74	117408	10.78%	10.06%
Land Development.	60.49	37318	29.09	18426	29.54	19760	33.43	21944	33.89	22156	186.44	119604	8.22%	10.25%
Other works	8.07	3911	7.95	3858	59.46	44562	57.01	43386	57.2	43456	189.69	139173	8.36%	11.92%
Total	439.53	219268	464.46	227433	445.08	235228	451.14	238451	468.59	246807	2268.80	1167187		
Percentage	19.37%	18.79%	20.47%	19.48%	19.62%	20.15%	19.88%	20.43%	20.65%	21.14%	-	-	100.00%	100.00%

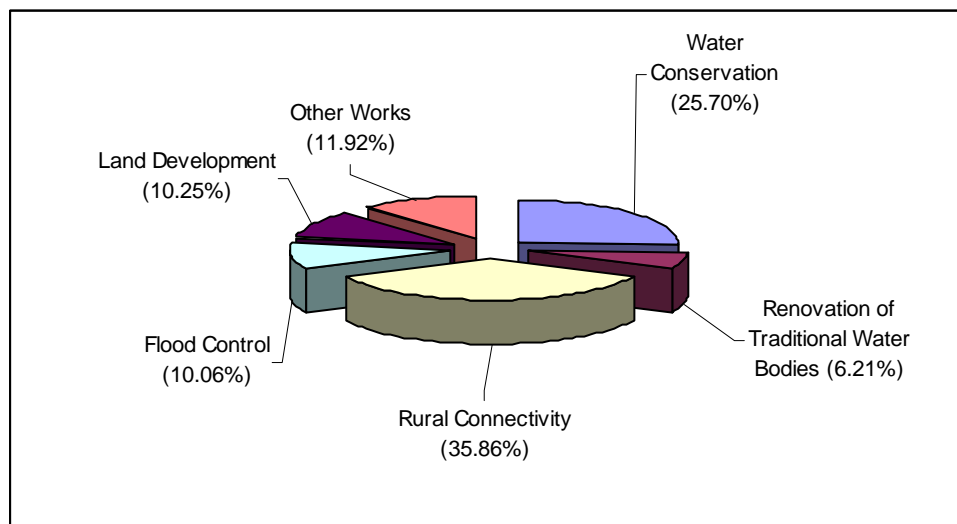
Source : Computed from table No. IV.2.3.a, IV.2.3.b & IV.2.3.c

Diagram No. IV.2.i : Sector Wise Distribution of Cost



Source : table no. IV2..9

Diagram No. IV.2.ii: Sector wise Distribution of Mandays

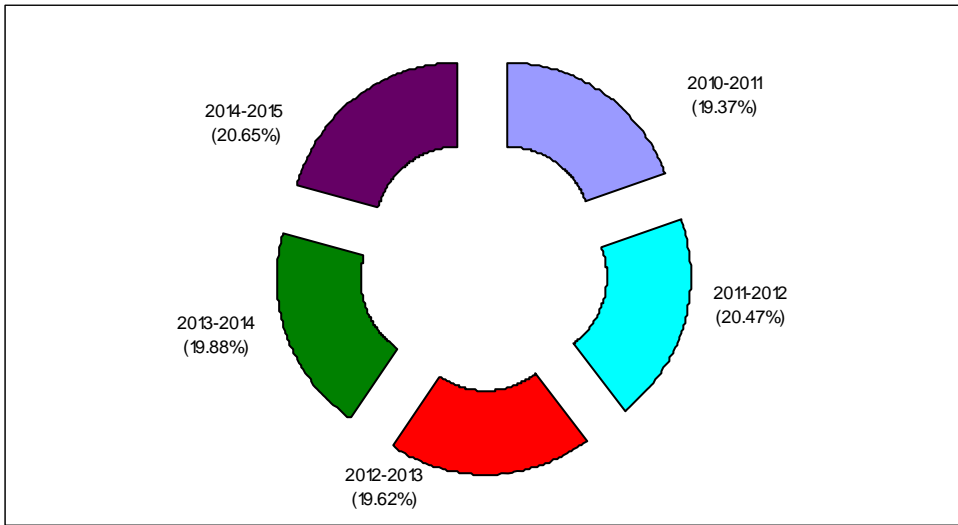


Source : table no. IV.2.9

2.11. Year Wise Distribution of Cost and Mandays

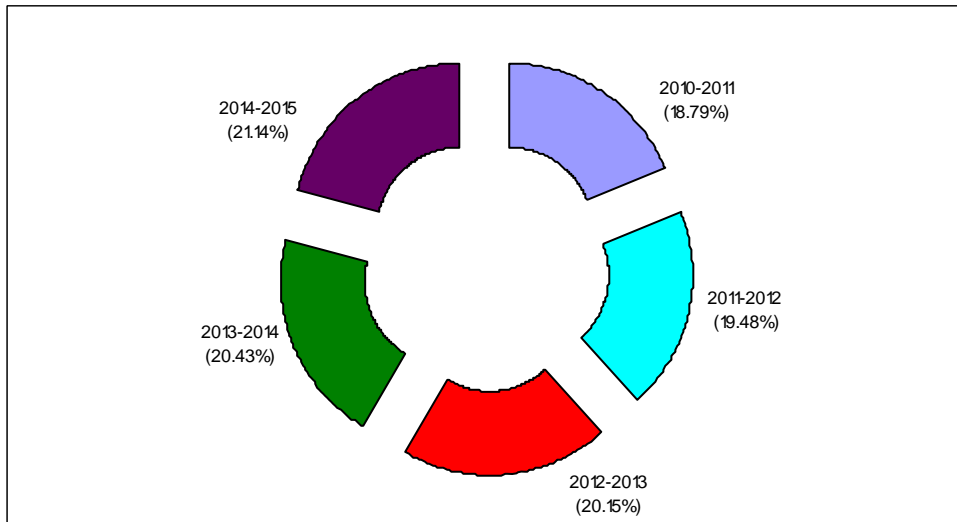
A Year wise distribution of the cost as well as mandays is given in diagram no.IV.2.iii & IV.2.iv. Both mandays and cost are distributed across the years almost equally. However, in 2014-2015 both cost and mandays generation are high.

Diagram No. IV.2.iii.: Year wise Distribution of Cost



Source : table no. IV.2.9

Diagram No. IV. 2.iv: Year wise Distribution of Cost



Source : table no. IV.2.9

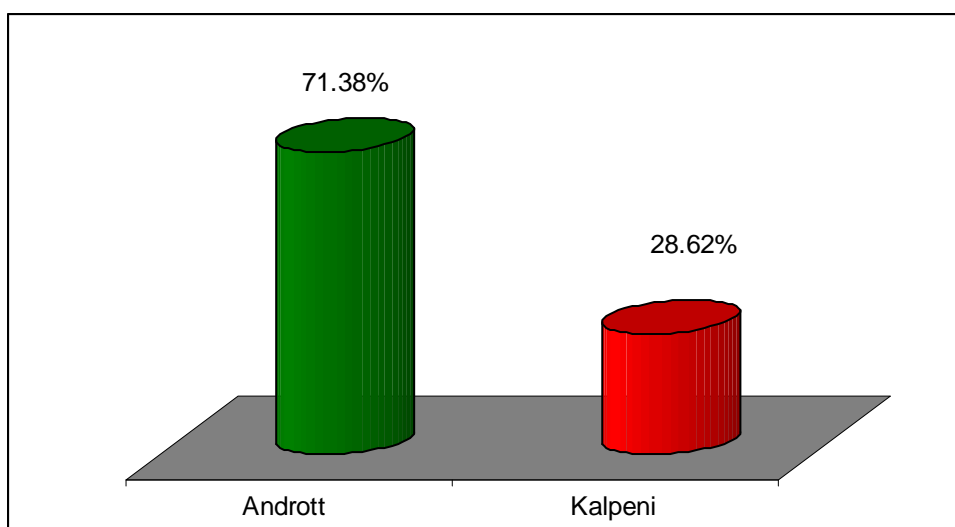
2.12. Island wise Distribution of Cost and Mandays

An Island wise distribution of cost as well as mandays also has been analyzed in the block. The table no. IV.2.10, diagrams nos.2.IV.v & IV.2.vi suggest the island wise details of the mandays and cost distribution. Since, Andrott has larger geographical area and labour force than Kalpeni the cost and mandays generation is also high in Andrott.

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
Andrott	512.23	245869	118	56640	580	278400	153.74	73752	129.068	81788	126.5	90720	1619.538	827169	71.38	70.87
Kalpeni	112.70	54093	33	15840	292	140160	91.00	43656	57.372	37816	63.195	48453	649.262	340018	28.62	29.13
Total	624.95	299962	151	72480	872	418560	244.74	117408	186.44	119604	189.69	139173	2268.8	1167187	100.%	100%

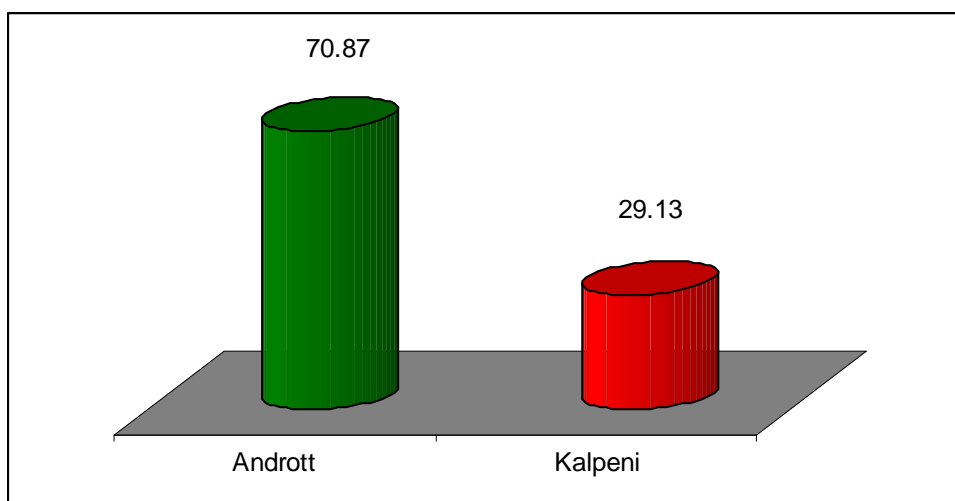
Source : Computed from table nos. V.2.5.a, V.2.5.b, V.5.c, V.3.5.a, V.3.5.b & V.3.5.b

Diagram No IV.2.v. Island Wise Distribution of Cost



Source : table no.IV.2.10

Diagram No. VI.2.vi. Island Wise Distribution of Mandays



Source : table no.IV.2.10

2.13. Factors Influencing Work Implementation

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

- 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:

2.14. Over all Outcomes of the MGNREGS work in Andrott

The following are the major outcomes of the MGNREGA activities in the block. These outcomes have been discussed widely in Chapter V while discussing the island wise position.

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

2.15. Concluding Remarks

The MGNREGS perspective plan of Andrott Block covers the potential developmental issues in two islands (Andrott & Kalpeni) and the satellite islands (Cheriyam & Pitty) of Kalpeni. The perspective plan identifies six major areas. It suggests a total 1167187 mandays with a cost of Rs.2268.80 lakhs. The plan provides a road map of implementation and other details. However further technical specifications needs to be worked out with the help of various other governments departments. The scheme strengthens the women empowerment efforts through. The perspective plan would strengthen the local economic base of the block. It is further recommended to incorporate the components of this perspective plan in to the over all district plan document as well as the various plan documents of the respective departs whose activities are included in the convergence proposal of the various MGNREGS activities proposed for the block.



A well under construction at Andrott Island