4. KILTAN Community Development Block

Kiltan Development Block comprised of three islands (Bitra, Chetlat and Kiltan). Since these islands are separate isolated entities unlike the villages in the plain lands the block in real terms with a geographic boundary is often difficult to visualize and locate. Therefore it is important to say that the formation of Block in Lakshadweep is cumulating of the respective islands for development administration which in turn facilitate the process of implementing of the various development schemes of central government and Island Administration. The following sections would provide a summary detail of the various features of the Block.

4.1. Population

According to the latest population estimates Kiltan Block comprising of the three islands has a population of 7057 (2009 population Projections[1]). Out of these 3565 are males and 3492 are female. The sex ratio of Kiltan Block is 979. This is higher compared to the sex ratio of Lakshadweep which is 952 according to the population projection in 2009. The population figures according to the 2001 census were 6227 (3176 males and 3051 Females). According to latest figures there are 1198 households out of which 206 are in Below Poverty Line (BPL) which comes to 17.19 percent. The decennial population growth of Kiltan Development Block comes to 16.69 percent. The population has grown from 5341 in 1991 to 6227 in 2001. The average density of population of the Block comes to 2375. The literacy rate of Kiltan Development Block is 83.47 which is low compared to the Lakshadweep average. Out of this, the female literacy rate is 79.23 percent while the male literacy is 87.24 percent. Male female literacy rates marks a difference of 8.01 percent.

4.2. Work Participation

The work participation in the Kiltan Block suggests the following; out of the total population of 6227 in the year 2001 only 1516 people participate in work which is 24.35 percent. Out of the three

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

islands in this block, Bitra has the highest work participation which is 47.19 percent and the lowest is Kiltan which mark even less work participation rate (22.65%) compared to the work participation in the block. The women participation in work also differs from island to island and this over all block figures also suggest variations. Out of the total 3051 women in Kiltan Block only 194 women work (as per the census definition) which suggest 6.36 percent which is below the Lakshadweep average of 7.28 percent. Comparing the three islands Bitra has the highest work participation of women which comes to 22.22 percent which is almost three times higher compared to the Lakshadweep average. The lowest female work participation in this Block is at Kiltan which is 5.2 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.

4.3. Women Empowerment

Women in the 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 32 women self help groups functioning in the block. More over out of the total 17 elected members to the Village Dweep Panchayats six of them are females. There are three DP members in this block area out of which, two are women.

4.4. Infrastructure Facilities & Amenities

The infrastructure and amenities in the block include ponds, wells, schools, health centers and other basic amenities. The table no. IV.4.1 provides the detail of the infrastructure and the amenities in the Block.

Table No IV.4.1: Infrastructure and Amenities in Kiltan Block

Amenities / Infrastructure	Unit	Particulars
Pond (2009)	Number	160
Well (2009)	Number	1372
PWD Road (2009)	Kilometer	11.49
Lower Primary School (2009)	Number	3
Upper Primary School (2009)	Number	2
Higher Secondary School (2009)	Number	2
Anganwadi (2009)	Number	10
Krishi Bhawan (2009)	Number	2
Veterinary Hospital (2009)	Number	2
Primary Health Centre (2009)	Number	2
Sub Centre (2009)	Number	1

Amenities / Infrastructure	Unit	Particulars
First Aid Centre (2009)	Number	1
Library (2009)	Number	3
Rain Water Harvesting Tank (2009)	Number	160
Sub Post Office (2002)	Number	3
Power Generation (2006-07)	Kwh	2140.078
Power Consumption - Domestic (2006-07)	Kwh	1413.23
Power Consumption – Commercial (2006-07)	Kwh	429.13
Power Consumption – Industrial (2006-07)	Kwh	17.97
Power Connections – Domestic (2006-07)	Number	2027
Power Connections – Commercial (2006-07)	Number	438
Power Connections – Industrial (2006-07)	Number	29
Telephone Connections (2007)	Number	918

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

4.5. Local Economy

Local economy of Kiltan Block consists of agriculture, animal husbandry and fisheries. Coconut is the dominating agricultural crop in the Block. A total of 58.3 Lakhs of coconuts have been harvested in the Block in 2006-07. Apart from this, 280896 liters of milk has been produced in the Block. It is important to note that the data excluded the milk production in Bitra and is understood that there is not much milk production since it is a very small island. Both public and private sector together produced 1831971 eggs in 2006-07.

A total of 1572 tonnes of fish have been landed in 2006 in the Block. The revenue from this comes to around Rs.314 Lakhs. The same in 1997 were 1426 tones which have increased to 1572 tones in 2006. The peak year 2001 in where 3688 tones of fish were landed and this generated revenue of Rs.738 Lakhs. This has declined from 2002 and over 50 percent decline in 2006 compared to that of 2001. Kiltan has a total of 326 full time active fishermen and 679 part-time or occasional fishermen as per 2006-07 statistics.

4.6. MGNREGA Governance and Registration Trend

Under MGNREGS, 1104 families have been registered in the block as per the latest MGNREGS statistics. Out of this only 443 have been issued job cards which come to 40.13 percent. A total of 11242 mandays have been generated in the island out of which only 1708 days were employed by women (15.19%). The major works under taken include; sea shore plantation, well construction, renovation of well, coconut seedling.

4.7. Labour supply Trend

The labour availability in the island 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 and Culture of Work

All these affect the labour availability. More over the climatic changes and the various festivals in the island also are the factors that affect the availability of labour force. A labour projection has been worked out to estimate the future labour availability in the block for MGNREGS and it is given in a table no. IV.4.2.

Table No IV.4.2: MGNREGA Labour Supply Projections

Block	*2010-11*	*2011-12*	*2012-13*	*2013-14*	*2014-15*	*Remarks*
Kilthan Block	1847 (9.63%)	1888 (9.55%)	1929 (9.45%)	1973 (9.36%)	2017 (9.31%)	4.66 % Increase in Labour Force is calculated
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

4.8. Work Proposal

The work proposal of block has been calculated from the various island wise finalized tables of Bitra, Chetlat & Kiltan given in Chapter V. The table no. IV.4.3.a, IV.4.3.b & IV.4.3.c suggest the work adjustments done and the variance. The adjustment of work proposal has been done on the basis of various factors. Some of them are gender practices of work, ecological pressure on the island, land shortage and problems related with land acquisition, population density and the development potentials of the activity.

Table No.IV.4.3.a: (Block: Kiltan) : Missing Infrastructure / Proposed Works: FINALIZED (Type of works, no of work and Proposed under which Program) - Convergence																		
Name of Blocks : Kiltan (Bitra, Chetlat & Kiltan)																		
Sl.No	Missing Infrastructure/ Proposed works	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	5	7.5	PRWSS	7	10.5	PRWSS	4	6	PRWSS	4	6	PRWSS	2	3	PRWSS	22	33
I.2	Percolation well	12	3.78	PRWSS	14	4.41	PRWSS	15	4.725	PRWSS	13	4.095	PRWSS	17	5.35	PRWSS	71	22.36
I.3	Well recharge pit	45	0.675	PRWSS	40	0.6	PRWSS	34	0.51	PRWSS	40	0.6	PRWSS	52	0.78	PRWSS	211	3.165
I.4	Husk Burial	150	15	ADF	108	10.8	ADF	114	11.4	ADF	118	11.8	ADF	117	11.7	ADF	607	60.7
I.5	Rain water harvesting tank	33	9.9	PWD/ST	27	8.1	PWD/ST	30	9	PWD/ST	31	9.3	PWD/ST	36	10.8	PWD/ST	157	47.1
	II. Renovation of Traditional Water bodies																	
II.1	Well renovation	68	10.2	PRWSS	59	8.85	PRWSS	54	8.1	PRWSS	48	7.2	PRWSS	48	7.2	PRWSS	277	41.55
II.2	Pond renovation	16	8	DSP	16	8	DSP	14	7	DSP	14	7	DSP	17	8.5	DSP	77	38.5
	III. Rural Connectivity																	
III.1	Road construction(km)	1.5	60	PWD	1	40	PWD	0.5	20	PWD	1.3	52	PWD	1.3	52	PWD	5.6	224
III.2	Ring road	2	80	PWD	3	120	PWD	2	80	PWD	1.5	60	PWD	1.15	46	PWD	9.65	386
	IV. Flood Control																	
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	0.5	8	LDMF/PWD	0.5	8	LDMF/PWD	1	16	LDMF/PWD	0.5	8	LDMF/PWD	1	16	LDMF/PWD	3.5	56

Table No.IV.4.3.a contd…….

Sl.No	Missing Infrastructure/ Proposed works	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)
IV.2	Maintenance of Anti sea erosion work(km) (Tetrapole or holloblock)	1	8	LDMF/PWD	0.5	4	LDMF/PWD	1	8	LDMF/PWD	1	8	LDMF/PWD	2	16	LDMF/PWD	5.5	44
IV.3	Seashore plantation(ha)	2.97	7.35	ESP	3.76	9.31	ESP	3.96	9.8	ESP	4.95	12.25	ESP	5.55	13.72	ESP	21.19	52.43
IV.4	Sea mouth cleaning	0	0	LDMF/PWD	0	0	LDMF/PWD	75.3	10.5	LDMF/PWD	75.3	10.5	LDMF/PWD	0.4	4	LDMF/PWD	151	25
V. Land Development																		
V.1	Horticulture (ha)	7.44	7.35	RKVY	4.96	4.9	RKVY	4.46	4.41	RKVY	4.96	4.9	RKVY	7.44	7.35	RKVY	29.26	28.91
V.2	Compost pit construction	170	2.55	ADF	135	2.025	ADF	140	2.1	ADF	155	2.305	ADF	175	2.625	ADF	775	11.605
V.3	Coconut pathy	12	2.04	ADF	14	2.38	ADF	15	2.55	ADF	16	2.72	ADF	16	2.72	ADF	73	12.41
V.4	Land Development and Island Cleaning(ha)	37	1.776	DSP	38	1.824	DSP	27	1.296	DSP	38	1.824	DSP	47	2.256	DSP	187	8.976
V.5	Bio fencing(m)	0	0	RKVY	1000	2	RKVY	0	0	RKVY	2000	4	RKVY	3000	6	RKVY	6000	12
V.6	Coconut seedlings.	530	2.65	ADF	235	1.175	ADF	125	0.625	ADF	150	0.75	ADF	145	0.725	ADF	1185	5.925
VI. Other Works																		
VI.1	Coconut climbing	0	0	ADF/CB	0	0	ADF/CB	0	26.25	ADF/CB	0	26.25	ADF/CB	0	26.25	ADF/CB	0	78.75
VI.2	Maintenance of param	13	0.325	ADF	15	0.375	ADF	12	0.3	ADF	15	0.375	ADF	14	0.35	ADF	69	1.725
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 : Consolidate from table nos. V.7.5.a, V.8.5.a & V.9.5.a

Table No. IV.4.3.b . (Block : Kiltan) Missing infrastructure / Proposed Works FINALIZED (Expected number of Self Employment, Expected Mandays Generated and Mandays converted in to number of persons																
Name of Blocks : Kiltan (Bitra, Chetlat & Kiltan)																
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	Weightage	Mandays converted in to no.of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons
I. Water Conservation																
I.1	Digging of ponds	5	0	3600	3%	57	7	0	5040	4%	78	4	0	2880	2%	45
I.2	Percolation well	12	0	1814	2%	29	14	0	2117	2%	33	15	0	2268	2%	35
I.3	Well recharge pit	45	0	540	0%	9	40	0	480	0%	7	34	0	408	0%	6
						0					0					0
I.5	Husk Burial	150	0	7200	6%	114	108	0	5184	4%	80	114	0	5472	4%	85
I.6	Rain water harvesting tank	33	0	4752	4%	75	27	0	4188	3%	65	30	0	4320	3%	67
II. Renovation of Traditional Water bodies																
II.1	Well renovation	68	0	4896	4%	77	59	0	4248	3%	66	54	0	3888	3%	60
II.2	Pond renovation	16	0	3840	3%	61	16	0	3840	3%	59	14	0	3360	3%	52
III. Rural Connectivity																
III.1	Road construction(km)	1.5	0	28800	25%	455	1	0	19200	16%	297	0.5	0	9600	8%	149
III.2	Ring road	2	0	38400	33%	607	3	0	57600	47%	891	2	0	38400	31%	596
IV. Flood Control																
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	0.5	0	3840	3%	61	0.5	0	3840	3%	59	1	0	7680	6%	119

Table No. IV.4.3.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	Weightage	Mandays converted in to no.of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to no.of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons
IV.2	Maintenance of Anti sea erosion work(km) (Tetrapole or holloblock)	1	0	3840	3%	61	0.5	0	1920	2%	30	1	0	3840	3%	60
IV.3	Seashore plantation(ha)	2.97	0	3528	3%	56	3.76	0	4469	4%	69	3.96	0	4704	4%	73
IV.4	Sea mouth cleaning	0	0	0	0%	0	0	0	0	0%	0	75.3	0	8400	7%	130
V. Land Development																
V.1	Horticulture (ha)	7.44	0	5880	5%	93	4.96	0	3920	3%	61	4.46	0	3528	3%	55
V.2	Compost pit construction	170	0	2040	2%	32	135	0	1620	1%	25	140	0	1680	1%	26
V.3	Coconut pathy	12	0	979	1%	15	14	0	1142	1%	18	15	0	1225	1%	19
V.4	Land development and Island Cleaning(ha)	37	0	1421	1%	22	38	0	1459	1%	23	27	0	1037	1%	16
V.5	Bio fencing(m)	0	0	0	0%	0	1000	0	960	1%	15	0	0	0	0%	0
V.6	Coconut seedlings.	530	0	1272	1%	20	235	0	564	0%	9	125	0	300	0%	5
VI. Other Works																
VI.1	Coconut climbing	0	0	0	0%	0	0	0	0	0%	0	0	0	21000	17%	326
VI.2	Maintenance of param	13	0	260	0%	4	15	0	300	0%	5	12	0	240	0%	4
	Total		0	116902	100%	1847		0	122091	100%	1,888		0	124230	100%	1929

Table No. IV.4.3.b contd…….

Table No.IV.4.3.b: (Block : Kiltan) Missing infrastructure / Proposed Works FINALIZED (Expected number of Self Employment, Expected Mandays Generated and Mandays converted in to number of persons																
Name of Blocks : Kiltan (Bitra, Chetlat & Kiltan)																
Sl.No	Missing Infrastructure/ works proposed	2013-2014					2014-2015					Total				
		No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons
I. Water Conservation																
I.1	Digging of ponds	4	0	2880	2%	43	2	0	1440	1%	22	22	0	15840	3%	244
I.2	Percolation well	13	0	1965	1%	29	17	0	2571	2%	40	71	0	10735	2%	166
I.3	Well recharge pit	40	0	480	0%	7	52	0	624	0%	10	211	0	2532	0%	39
I.4	Husk Burial	118	0	5664	4%	85	117	0	5616	4%	87	607	0	29136	5%	450
I.6	Rain water harvesting tank	31	0	4464	3%	67	36	0	5184	4%	80	157	0	22908	4%	354
II. Renovation of Traditional Water bodies																
II.1	Well renovation	48	0	3456	3%	52	48	0	3456	3%	53	277	0	19944	3%	308
II.2	Pond renovation	14	0	3360	3%	50	17	0	4080	3%	63	77	0	18480	3%	285
III. Rural Connectivity																
III.1	Road construction(km)	1.3	0	24960	19%	374	1.3	0	24960	19%	385	5.6	0	107520	17%	1659
III.2	Ring road	1.5	0	28800	22%	432	1.15	0	22080	17%	341	9.65	0	185280	30%	2860
IV. Flood Control																
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	0.5	0	3840	3%	58	1	0	7680	6%	118	3.5	0	26880	4%	415
IV.2	Maintenance of Anti sea erosion work(km) (Tetrapole or holloblock)	1	0	3840	3%	58	2	0	7680	6%	118	5.5	0	21120	3%	326

Table No. IV.4.3.b contd……..

Sl.No	Missing Infrastructure/ works proposed	Year														
		2013-2014					2014-2015					Total				
		No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons	No of works/ activity taken up	Expected No of Self employment	Expected mandays generation	Weightage	Mandays converted in to No of persons
IV.3	Seashore plantation(hr)	4.95	0	5880	4%	88	5.55	0	6586	5%	102	21.19	0	25167	4%	388
IV.4	Sea mouth cleaning	75.3	0	8400	6%	126	0.4	0	3200	2%	49	151	0	20000	3%	309
V. Land Development																
V.1	Horticulture (ha)	4.96	0	3920	3%	59	7.44	0	5880	4%	91	29.26	0	23128	4%	357
V.2	Compost pit construction	155	0	1860	1%	28	175	0	2100	2%	32	775	0	9300	1%	144
V.3	Coconut pathy	16	0	2732	2%	41	16	0	1306	1%	20	73	0	7384	1%	114
V.4	Land development and Island Cleaning(ha)	38	0	1459	1%	22	47	0	1805	1%	28	187	0	7181	1%	111
V.5	Bio fencing(m)	2000	0	1920	1%	29	3000	0	2880	2%	44	6000	0	5760	1%	89
V.6	Coconut seedlings.	150	0	360	0%	5	145	0	348	0%	5	1185	0	2844	0%	44
VI. Other Works																
VI.1	Coconut climbing	0		21000	16%	315	0	0	21000	16%	324	0	0	63000	10%	972
VI.2	Maintenance of param	15		300	0%	4	14	0	280	0%	4	69	0	1380	0%	21
	Total		0	131540	100%	1973		0	130756	100%	2017		0	625519	100%	9654

Source : Consolidated from table nos.V.7.5.b, V.8.5.b & V.9.5.b

Table No. IV.4.3.c . (Block : Kiltan)- Missing Infrastructure / Proposed Works FINALIZED (Expected Mandays Generation, Madaya converted in to number of persons and total employment).																			
Name of Blocks : Kiltan (Bitra, Chetlat & Kiltan)																			
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
I. Water Conservation																			
I.1	Digging of ponds	7.5	0	3600	3%	57	3600	10.5	0	5040	4%	78	5040	6	0	2880	2%	45	2880
I.2	Percolation well	3.78	0	1814	2%	29	1814	4.41	0	2117	2%	33	2117	4.725	0	2268	2%	35	2268
I.3	Well recharge pit	0.675	0	540	0%	9	540	0.6	0	480	0%	7	480	0.51	0	408	0%	6	408
I.4	Husk Burial	15	0	7200	6%	114	7200	10.8	0	5184	4%	80	5184	11.4	0	5472	4%	85	5472
I.5	Rain water harvesting tank	9.9	0	4752	4%	75	4752	8.1	0	4188	3%	65	4188	9	0	4320	3%	67	4320
II. Renovation of Traditional Water bodies																			
II.1	Well renovation	10.2	0	4896	4%	77	4896	8.85	0	4248	3%	66	4248	8.1	0	3888	3%	60	3888
II.2	Pond renovation	8	0	3840	3%	61	3840	8	0	3840	3%	59	3840	7	0	3360	3%	52	3360
III. Rural Connectivity																			
III.1	Road construction(km)	60	0	28800	25%	455	28800	40	0	19200	16%	297	19200	20	0	9600	8%	149	9600
	Ring road	80	0	38400	33%	607	38400	120	0	57600	47%	891	57600	80	0	38400	31%	596	38400
IV. Flood Control																			
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	8	0	3840	3%	61	3840	8	0	3840	3%	59	3840	16	0	7680	6%	119	7680

Table No. IV.4.3.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
IV.2	Maintenance of Anti sea erosion work(km) (Tetrapole or holloblock)	8	0	3840	3%	61	3840	4	0	1920	2%	30	1920	8	0	3840	3%	60	3840
IV.3	Seashore plantation(ha)	7.35	0	3528	3%	56	3528	9.31	0	4469	4%	69	4469	9.8	0	4704	4%	73	4704
IV.4	Sea mouth cleaning	0	0	0	0%	0	0	0	0	0	0%	0	0	10.5	0	8400	7%	130	8400
	V. Land Development																		
V.1	Horticulture (ha)	7.35	0	5880	5%	93	5880	4.9	0	3920	3%	61	3920	4.41	0	3528	3%	55	3528
V.2	Compost pit construction	2.55	0	2040	2%	32	2040	2.025	0	1620	1%	25	1620	2.1	0	1680	1%	26	1680
V.3	Coconut pathy	2.04	0	979	1%	15	979	2.38	0	1142	1%	18	1142	2.55	0	1225	1%	19	1225
V.4	Land development and Island Cleaning(ha)	1.776	0	1421	1%	22	1421	1.824	0	1459	1%	23	1459	1.296	0	1037	1%	16	1037
V.5	Bio fencing(m)	0	0	0	0%	0	0	2	0	960	1%	15	960	0	0	0	0%	0	0
V.6	Coconut seedlings.	2.65	0	1272	1%	20	1272	1.175	0	564	0%	9	564	0.625	0	300	0%	5	300
	VI. Other Works																		
VI.1	Coconut climbing	0	0	0	0%	0	0	0	0	0	0%	0	0	26.25	0	21000	17%	326	21000
VI.2	Maintenance of param	0.325	0	260	0%	4	260	0.375	0	300	0%	5	300	0.3	0	240	0%	4	240
	Total	235.1	0	116902	100%	1847	116902	247.2	0	122091	100%	1888	122091	228.566	0	124230	100%	1929	124230

Table No. IV.4.3.c contd……..

Table No.VI.4.3.c: (Block : Kiltan)- Missing Infrastructure / Proposed Works Block Panchayat: FINALIZED (Expected Mandays Generation, Madaya converted in to number of persons and total employment).																			
Name of Blocks : Kiltan (Bitra, Chetlat & Kiltan)																			
Sl.No	Missing Infrastructure/ works 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
I. Water Conservation																			
I.1	Digging of ponds	6	0	2880	2%	43	2880	3	0	1440	1%	26	1440	33	0	15840	3%	244	15840
I.2	Percolation well	4.095	0	1965	1%	29	1965	5.35	0	2571	2%	47	2571	22.36	0	10735	2%	166	10735
I.3	Well recharge pit	0.6	0	480	0%	7	480	0.78	0	624	1%	11	624	3.165	0	2532	0%	39	2532
I.4	Husk Burial	11.8	0	5664	4%	85	5664	11.7	0	5616	5%	103	5616	60.7	0	29136	5%	450	29136
I.5	Rain water harvesting tank	9.3	0	4464	3%	67	4464	10.8	0	5184	5%	95	5184	47.1	0	22908	4%	354	22908
II. Renovation of Traditional Water bodies																			
II.1	Well renovation	7.2	0	3456	3%	52	3456	7.2	0	3456	3%	64	3456	41.55	0	19944	3%	308	19944
II.2	Pond renovation	7	0	3360	3%	50	3360	8.5	0	4080	4%	75	4080	38.5	0	18480	3%	285	18480
III. Rural Connectivity																			
III.1	Road construction(km)	52	0	24960	19%	374	24960	52	0	24960	23%	459	24960	224	0	107520	17%	1659	107520
III.2	Ring road	60	0	28800	22%	432	28800	46	0	22080	20%	406	22080	386	0	185280	30%	2860	185280
IV. Flood Control																			
IV.1	Anti sea erosion work(km) (Tetrapole or holloblock)	8	0	3840	3%	58	3840	16	0	7680	7%	141	7680	56	0	26880	4%	415	26880

Table No. IV.4.3.c contd……..

Sl. No	Missing Infrastructure/ works 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
IV.2	Maintenance of Anti sea erosion work(km) (Tetrapole or holloblock)	8	0	3840	3%	58	3840	16	0	7680	7%	141	7680	44	0	21120	3%	326	21120
IV.3	Seashore plantation(ha)	12.25	0	5880	4%	88	5880	13.72	0	6586	6%	121	6586	52.43	0	25167	4%	388	25167
IV.4	Sea mouth cleaning	10.5	0	8400	6%	126	8400	4	0	3200	3%	59	3200	25	0	20000	3%	309	20000
V. Land Development																			
V.1	Horticulture (ha)	4.9	0	3920	3%	59	3920	7.35	0	5880	5%	108	5880	28.91	0	23128	4%	357	23128
V.2	Compost pit construction	2.305	0	1860	1%	28	1860	2.625	0	2100	2%	39	2100	11.605	0	9300	1%	144	9300
V.3	Coconut pathy	2.72	0	2732	2%	41	2732	2.72	0	1306	1%	24	1306	12.41	0	7384	1%	114	7384
V.4	Land development and Island Cleaning(ha)	1.824	0	1459	1%	22	1459	2.256	0	1805	2%	33	1805	8.976	0	7181	1%	111	7181
V.5	Bio fencing(m)	4	0	1920	1%	29	1920	6	0	2880	3%	53	2880	12	0	5760	1%	89	5760
V.6	Coconut seedlings.	0.75	0	360	0%	5	360	0.725	0	348	0%	6	348	5.925	0	2844	0%	44	2844
VI. Other Works																			
VI.1	Coconut climbing	26.25	0	21000	16%	315	21000	26.25	0	21000	16%	324	21000	78.75	0	63000	10%	972	63000
I.4	Maintenance of param	0.375	0	300	0%	4	300	0.35	0	280	0%	5	280	1.725	0	1380	0%	21	1380
	Total	239.869	0	131540	100%	1973	131540	243.3	0	109756	100%	2017	130756	1194.1	0	625519	100%	9654	625519

Source : Consolidated from table nos.V.7.5.c, V.8.5.c & V.9.5.c

4.9. Sectors & Profile of Activities identified for MGNREGS

Six sectors have been identified under MGNREGS for Kiltan 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.

4.9.1. 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 in table no. IV.4.4. Husk burial and Rain water harvesting together constitute the majority of the work in the island. Over 60 percent of the cost is also spent towards these two activities under the water conservation sector.

Table No. IV.4.4: Details of the Works under Water Conservation in Kiltan Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Digging of Pond	22	15840 (19.52%)	33 (19.83)
2. Percolation of Well	71	10735 (13.23%)	22.4 (13.47%)
3. Well Recharge Pit	211	2532 (3.12%)	3.17 (1.91%)
4. Husk Burial	607	29136 (35.90%)	60.7 (36.48%)
5. Rain Water Harvesting Tank	157	22908 (28.23%)	47.1 (28.31%)
Total		81151 (100%)	166.37 (100%)

Source : Computed from table no.IV.4.3.a, IV.4.3.b & IV.4.3.c

4.9.2. 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 in table no. IV.4.5. 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 block ecology.

Table No. IV.4.5: Details of the Works under Renovation of the Traditional Water Bodies in Kiltan Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Well Renovation	277	19944 (51.91%)	41.6 (51.94%)
2. Pond Renovation	77	18480 (48.09%)	38.5 (48.06%)
Total		38424 (100%)	80.1 (100%)

Source : Computed from table no. IV.4.3.a, IV.4.3.b & IV.4.3.c

4.9.3. Rural Connectivity

Under Rural connectivity two works shall be under taken which are road construction and ring road construction. Detail of these two activities are given in table no. IV.4.6. Rural connectivity is the sector that generates largest mandays in the block. In most of the block this sector is the lead sector.

Table No. IV.4.6: Details of the Works under Rural Connectivity Kiltan Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Road Construction	5.6. Km	107520 (36.72%)	224 (36.72%)
2. Ring Road Construction	9.65 Km	185280 (63.28%)	386 (63.28%)
Total		292800 (100%)	610 (100%)

Source: Computed from table no. IV.4.3.a, IV.4.3.b & IV.4.3.c

4.9.4. Flood Control

Sea erosion and sea encroachment are two important problems of the islands. Islands also have the ill effects of climate change and also often affected by various disasters due to these. The following works have been proposed under this and these activities would potentially address the issue of sea erosion and also would minimize the effect of future disasters like Tsunami on the settlements (table no. IV.4.7)

Table No. IV.4.7: Details of the Works under Flood Control in Kiltan Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Anti Sea Erosion Work (Tetra Pole / Hollow Block)	3.5 Km	26880 (28.85%)	56 (31.57%)
2. Maintenance of Anti Se Erosion Work	5.5. Km	21120 (22.67%)	44 (24.80%)
3. Sea Shore Plantation	21.19 Ha	25167 (27.01%)	52.4 (29.54%)
4. Sea Mouth Cleaning	250 Meter	20000 (21.47%)	25 (14.09%)
Total		93167 (100%)	177.4 (100%)

Source: Computed from table no. IV.4.3.a, IV.4.3.b & IV.4.3.c

4.9.5. Land Development

Land development of the island has been identified as the third important sector and this would potentially facilitate the beautification of the various islands in the Block. It also improves the economic value of the block by addressing the productivity of the various crops in the Block.

Table No. IV.4.8: Details of the Works under Land Development in Kiltan Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Horticulture	29.26 Ha	23128 (41.60%)	28.9 (36.21%)
2. Compost Pit Construction	775	9300 (16.73%)	11.6 (14.53%)
3. Coconut Pathy	73	7384 (13.28%)	12.4 (15.54%)
4. Land Development and island Cleaning	187 Ha	7181 (12.92%)	8.98 (11.25%)
5. Bio Fencing	6000 Ha	5760 (10.36%)	12 (15.03%)
6. Coconut Seedling	1185	2844 (5.11%)	5.93 (7.44%)
Total		55597 (100%)	79.81 (100%)

Source: Computed from table no. IV.4.3.a, IV.4.3.b & IV.4.3.c

4.9.6. 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.4.9).

Table No. IV.4.9: Details of the Works under Other Works in Kiltan Block

Works Proposed	Number of Works	Mandays	Cost (In Lakhs)
1. Coconut Climbing	The works is calculated according to the number of coconut trees and the number of tree a climber climb on an average per day.	63000 (97.86%)	78.8 (97.86%)
2. Maintenance of Param	69	1380 (2.14%)	1.73 (2.14%)
Total		64380 (100%)	80.53 (100%)

Source: Computed from table no. IV.4.3.a, IV.4.3.a & IV.4.3.c

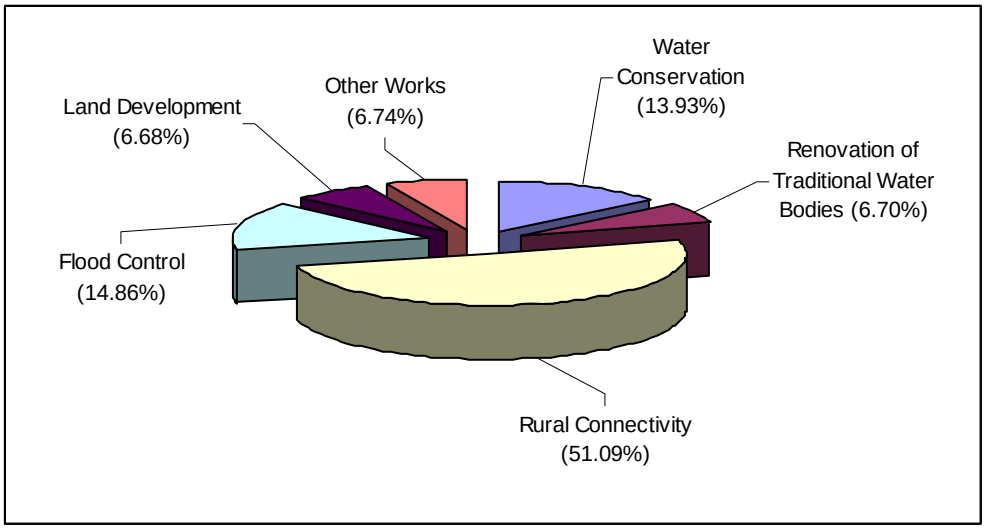
4.10. Sector wise distribution of Cost & Mandays Generated

Rural connectivity, water conservation and flood control are the lead sectors both in terms of mandays generated and budget. Works connected to rural connectivity generate 47 percent of mandays which is in fact the largest single sector that generate maximum of mandays in the block under MGNREGS (The table no. IV.4.10, diagrams no. IV.4.i & IV.4.ii).

Table No.IV.4.10: Sector wise cost and Mandays distribution -KILTAN BLOCK														
KILTAN 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.	36.86	17906	34.41	17009	31.63	15348	31.79	15453	31.63	15435	166.32	81151	13.93%	12.97%
Renovation of Traditional Water Bodies.	18.2	8736	16.85	8088	15.1	7248	14.25	6816	15.7	7536	80.10	38424	6.70%	6.14%
Rural Connectivity.	140	67200	160	76800	100	48000	112	53760	98	47040	610	292800	51.09%	46.81%
Flood Control.	23.39	11208	21.36	10229	44.34	24624	38.76	21960	49.72	25146	177.58	93167	14.86%	14.89%
Land Development.	16.37	11592	14.3	9665	10.98	7770	16.49	12251	21.67	14319	79.82	55597	6.68%	8.89%
Other works	0.32	260	0.37	300	26.55	21240	26.62	21300	26.6	21280	80.47	64380	6.74%	10.29%
Total	235.14	116902	247.29	122091	228.60	124230	239.91	131540	243.32	130756	1194.29	625519	-	-
Percentage	19.69%	18.69%	20.70%	19.52%	19.14%	19.86%	20.07%	21.03%	20.38%	20.90%	-	-	100.00%	100.00%

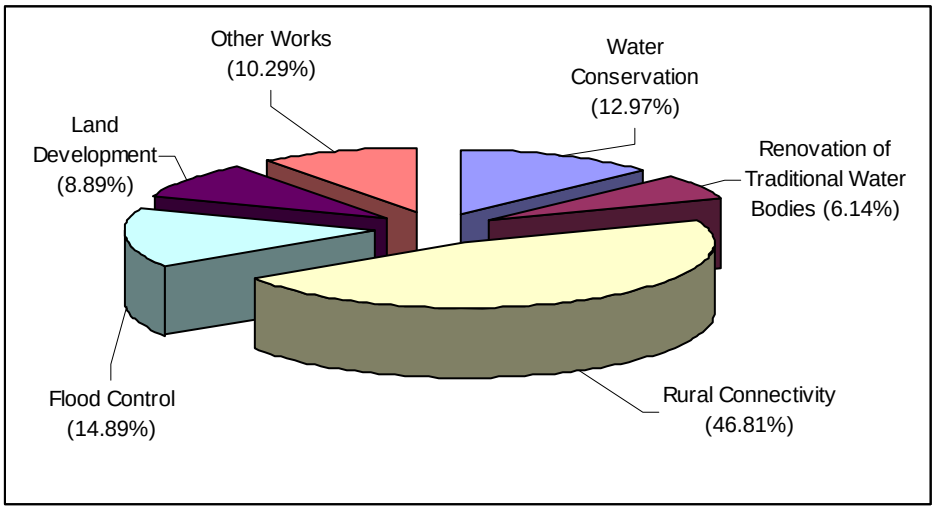
Source : Computed from table no. IV.4.3.a, IV.4.3.b & IV.4.3.c

Diagram No. IV.4.i : Sector Wise Distribution of Cost



Source : table no. IV.4.10

Diagram No. IV.4.ii: Sector Wise Distribution of Mandays

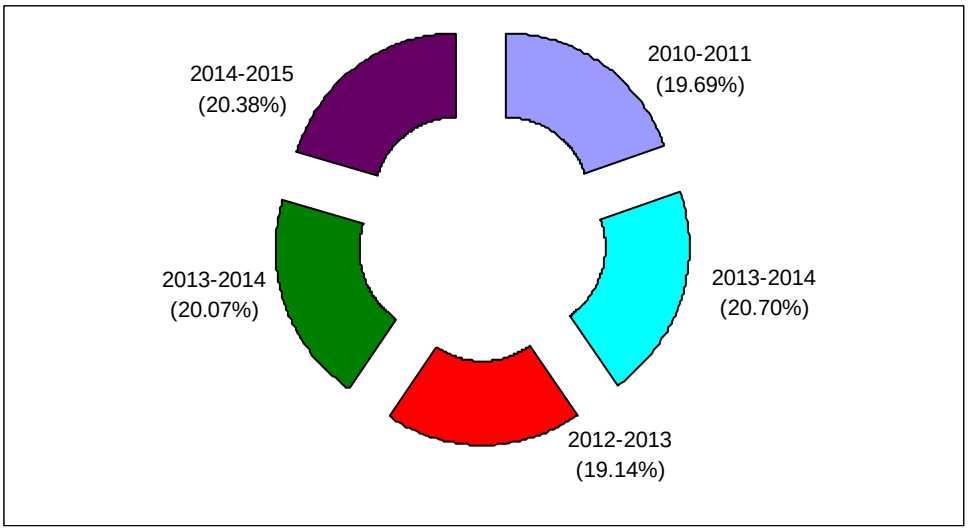


Source : table no. IV.4.10

4.11. Year Wise Distribution of Cost and Mandays

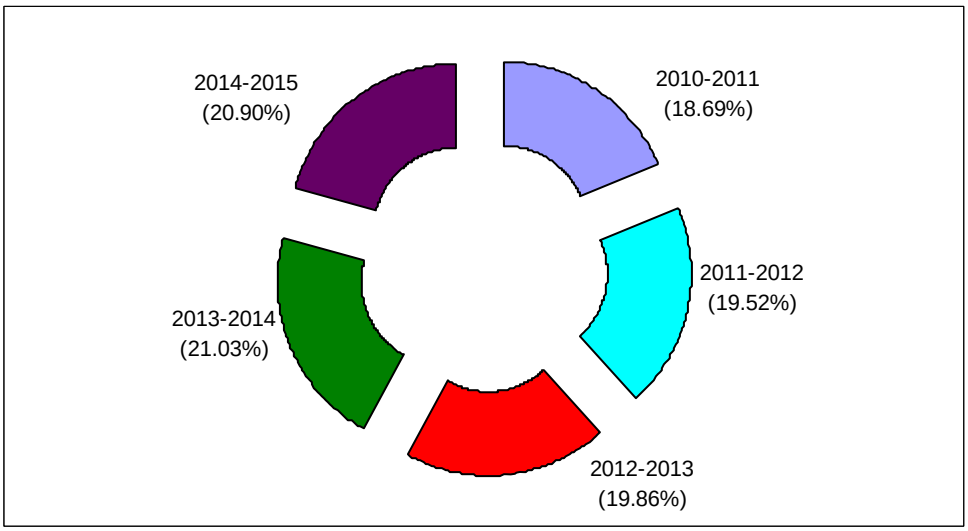
Year wise distribution of the cost as well as mandays is given in table no. IV.4.10, diagrams no. IV.4.iii & IV.4.iv). It suggests that both mandays and cost, which is distributed across the years almost equally .

Diagram No.IV.4.iii: Year Wise Distribution of Cost



Source : table no. IV.4.10

Diagram No.IV.4.iv: Year Wise Distribution of Cost



Source : table no. IV.4.10

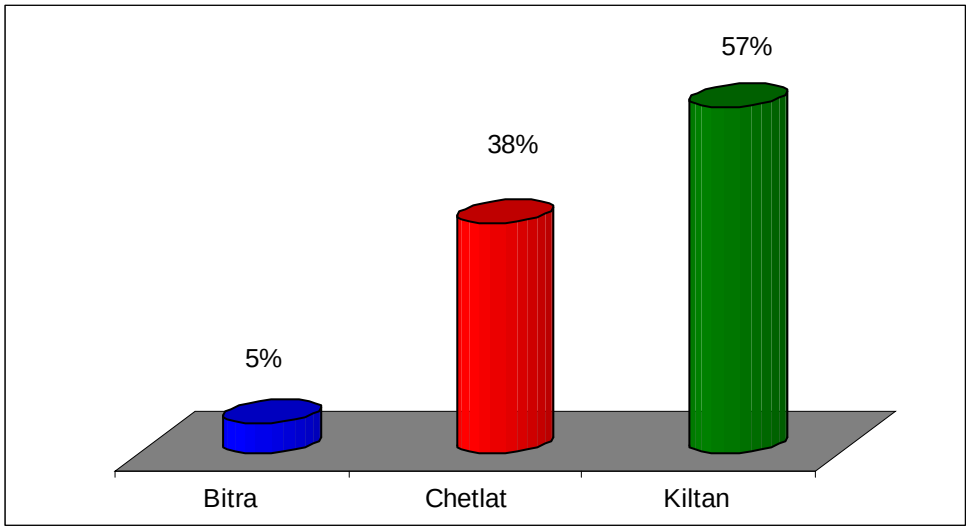
4.12. Island wise distribution of cost and mandays Kiltan Block

The table no. IV.4.11, diagram no.IV.4.v & IV.4.vi suggest the summary details of the island wise distribution of both cost and mandays in Kiltan Block. It suggests that Kiltan Island share the highest in terms of both cost and mandays compared to the other two islands. Over 50 percent of both cost and mandays is generated in Kiltan Island. This is due to the bigger size in area labour force in Kiltan island.

Table No. IV.4.11: Island wise Distribution of Cost and mandays - KILTAN BLOCK																
	Water Conservation.		Renovation of Traditional Water Bodies.		Rural Connectivity.		Flood Control.		Land Development.		Other works		Total		Percentage	
Island	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays	Cost	Mandays
Kiltan	99.66	48427	47.65	22872	320	153600	118.99	57096	53.99	38676	38.42	30740	678.71	351411	57%	56%
Chetlat	45.94	22426	24.90	11928	290	139200	30.78	19527	20.30	13096	38.3	30640	450.22	236817	38%	38%
Bitra	20.72	10298	7.55	3624	0	0	27.81	16544	5.53	3825	3.75	3000	65.36	37291	5%	6%
Total	166.32	81151	80.01	38424	610	292800	177.58	93167	79.82	55597	80.47	64380	1194.29	625519	100%	100%

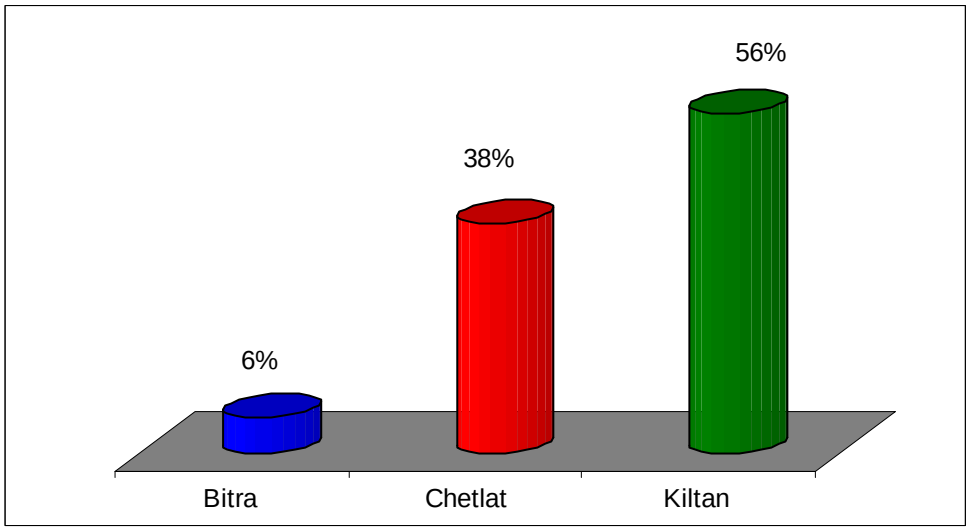
Source : Computed from table no. V.7.5.a, V.7.5.b, V.7.5.c, V.8.5.a, V.8.5.b, V.8.5.c, V.9.5.a, V.9.5.b & V.8.5.c

Diagram No IV.4.v: Islandwise Distribution of Cost



Source : table no. IV.4.11

Diagram No IV.4.vi: Islandwise Distribution of Mandays



Source : table no. IV.4.11

4.13. 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. During monsoon season there is migration from Bitra to Chetlat island, this factor also has been taken while preparing the work implementation calendar.

- 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:

4.14. Over all Outcomes of the MGNREGS work in Kiltan

The following are the major outcomes of the MGNREGA activities in the block and it has been widely discussed in the perspective plan of the islands 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:

4.15. Concluding Remarks

This MGNREGS perspective plan of Kiltan Block covers the three islands (Bitra, Chetlat & Kiltan) and identifies six major areas. The plan provides a road map of implementation and other details of MGNREGS governance. The perspective plan proposes a total of 625519 mandays. The total cost has been worked out as Rs.1194.29 lakhs. Most important to say that it would strengthen the local economic base of the three islands in the block and make the economically active sectors more productive. On farm work is brought similar to a formal employment structure through MGNREGS activities and this better the work dignity of the agricultural workers too. 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 island. The perspective plan of the block has been prepared such a way it would remove the existing poverty map in the islands by proposing employment opportunities.