

Annual Progress Report on Mine Action Programme Year 2012



**National Mine Action Center (NMAC)
Ministry of Economic Development**

Ministry of Economic Development

Annual Progress Report on National Mine Action Programme –Year 2012

NARRATIVE SUMMARY

During the three decade aged civil conflict, Sri Lanka has experienced that varied kinds of explosives including land mines of Anti Personal, Anti Tank Unexploded Ordnances (UXO), etc. The conflict has resulted in instability in the country's socio culture, economic, environment and political bodies of the country.

Even though the mines are deployed in combat areas, the vulnerable group of civilians and children are victims who are exposed to such explosives. Impacts of the land mines could be mentioned accordingly as constraints or injuries on persons, delaying of resettlement of the displaced persons, physical, psychological and economic consequences to inhabitants, loss of agricultural lands, destruction and disruption to infrastructure eased in the areas of transportation, irrigation and drinking water supplying, exhaustion of medical and rehabilitation services, economic cost for de-mining and so on.

Though the National Mine Action programme was commenced in 2002, de-mining programme was not able to properly be implemented as planned due to escalation of conflict situation until May 2009. Since June 2009, Sri Lanka National Mine Action Programme has been implemented showing a remarkable progress. The National Steering Committee for Mine Action (NSCMA) set in the Ministry of Economic Development acts as the supreme body of the decision making for the National Mine Action Programme while National Mine Action Center (NMAC) coordinating and monitoring the programme with the support of UNDP and UNICEF.

As per the initial survey carried out by the Information Management System on Mine Action IMSMA it is estimated that there may be about one million land mines and UXOs in the abandoned battle fields. In addition, it was estimated that **6,215 Km²** of land area is contaminated with mines and UXOs. **4,157 Km²** have been identified as safe areas out of the total estimated contaminated areas and the other balance of **2,065 Km²** were confirmed as Hazard Areas (CHA) by None Technical Survey (NTS). Removal of mines and other objects cannot be done in isolation and coordinated effort is required for de-mining, mine risk education, mapping and victim assistance etc.

As end of 2012, nine mine clearing organizations were functioning in Sri Lanka with the generous corporation of the donor community. They are Sri Lanka Army (SLA) & HDU, Halo Trust, Danish De-mining Group (DDG), Mines Advisory Group (MAG), Swiss Foundation for De-mining (FSD), Horizon, Sarvatra, Milinda Moragoda Institute for People's Empowerment (MMIPE) and Delvon Assistance for Social Harmony (DASH). Several other national organizations are in operation on mine risk education under the UNICEF umbrella.

The annual Progress report 2012 on mine action has been prepared only based on the IMSMA and all the data and information associated with Sri Lanka National Mine Action Programme should be obtained only from source of IMSMA.

In 2012, area cleared by Battle area Clearance (**BAC**), Mine Field Clearance (**MF**) and Mechanical Verification is **21,941,123 M² (21.94km²)** and **162,309** of all types of devices (**AT, AP and UXOs**) have been recovered. The total figure of area clearance by deploying three methods of BAC, MF & Mech.V from 2002 to December 2012 is **882,597,615M² (882.59Km²)** and devices recovered are **946,719**. In addition, the areas of **1,084,702,376M² (1084Km²)** have been released by Survey too. Accordingly, total area cleared since the inception to end December 2012 is **1,967,299,992M² (1967 Km²)** and the remaining confirmed hazardous areas (CHA) to be cleared is **98,662,925M² (98.66Km²)**

Scope of the problem - As end of December 2012

De- Mining Progress

Districts	Confirmed Hazardous Areas (CHA) in Sqm	Area Cleared in Sqm (BAC & MF & Mech V)	Areas released by Survey in Sqm	Total Area Cleared in Sqm	Areas to be cleared in Sqm
Jaffna	52,095,175	34,639,411	13,291,640	47,931,052	4,164,123
Killinochchi	598,299,576	31,044,269	547,801,326	578,845,595	19,453,981
Mullaitivu	230,331,444	162,785,429	47,409,024	210,194,453	20,136,991
Vavuniya	223,646,516	80,924,934	135,503,406	216,428,340	7,218,176
Mannar	317,235,133	195,443,933	95,791,256	291,235,189	25,999,944
sub total	1,421,607,843	504,837,976	839,796,652	1,344,634,628	76,973,215
Trincomalee	98,687,801	95,275,807	-	95,275,807	3,411,994
Batticaloa	495,246,649	235,669,213	244,905,724	480,574,937	14,671,712
Ampara	46,638,752	46,569,646	-	46,569,646	69,107
sub total	640,573,202	377,514,665	244,905,724	622,420,389	18,152,813
Anuradhapura	3,547,971	196,695	-	196,695	3,351,276
Polonnaruwa	233,900	48,279	-	48,279	185,621
Sub Total	3,781,871	244,974	-	244,974	3,536,897
Total	2,065,962,916	882,597,615	1,084,702,376	1,967,299,992	98,662,925

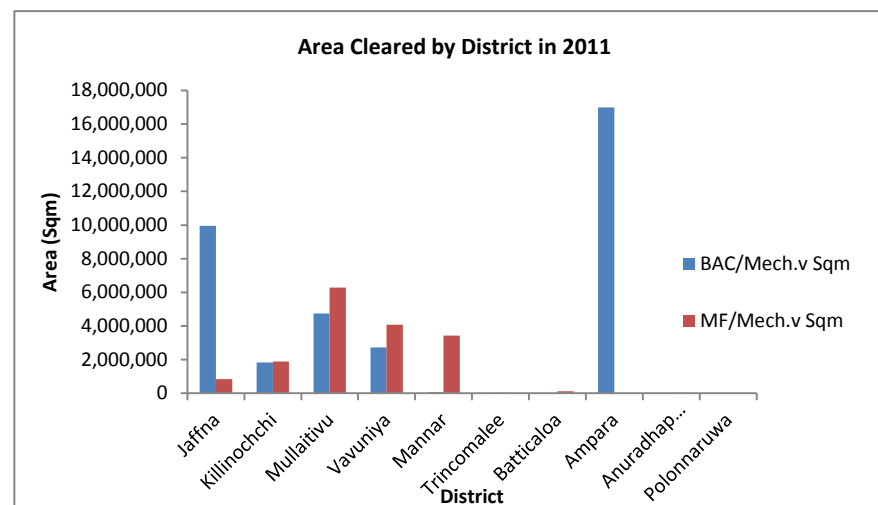
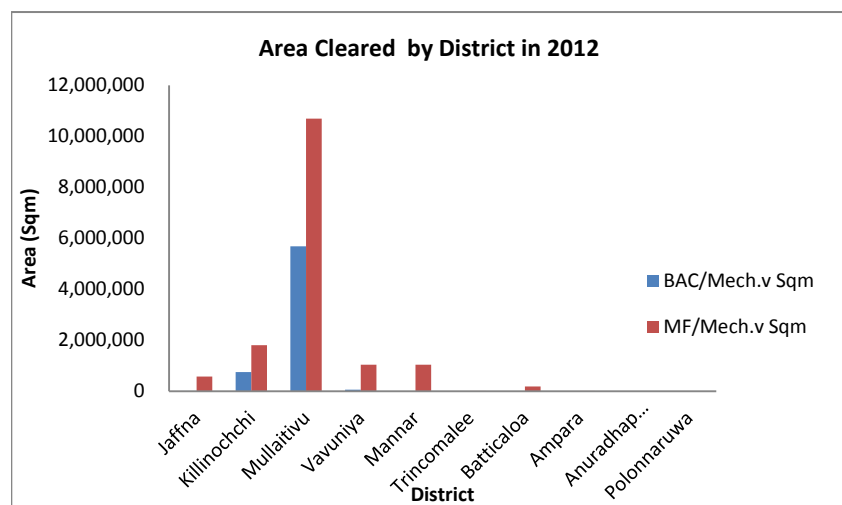
Source : IMSMA

Note: Confirmed Hazardous Areas (CHA) is always determined based on the None Technical Survey (NTS).

Accordingly, the remaining CHA could be varied, as NTS is continuous process of Sri Lanka Mine Action Programme

Ministry of Economic Development
Summary of Mine Clearance Progress

District	Physical Progress									
	Area Cleared in Sqm									Areas to be cleared in Sqm
	Year 2012 (As end of December)			From Year 2002 to 2011			Total	Areas released by Survey in Sqm	Cumulative (2002 to December 2012)	
BAC/Mech.v Sqm	MF/Mech.v Sqm	Sub Total	BAC/Mech.v Sqm	MF/Mech.v Sqm	Sub total					
Jaffna	22,040	576,983	599,023	28,849,298	5,191,091	34,040,389	34,639,411	13,291,640	47,931,052	4,164,123
Killinochchi	760,422	1,809,111	2,569,533	22,793,313	5,681,423	28,474,736	31,044,269	547,801,326	578,845,595	19,453,981
Mullaitivu	5,691,519	10,697,699	16,389,218	132,961,027	13,435,184	146,396,211	162,785,429	47,409,024	210,194,453	20,136,991
Vavuniya	74,043	1,051,218	1,125,261	69,472,295	10,327,378	79,799,673	80,924,934	135,503,406	216,428,340	7,218,176
Mannar		1,048,775	1,048,775	174,716,828	19,678,330	194,395,158	195,443,933	95,791,256	291,235,189	25,999,944
Trincomalee		18,645	18,645	92,985,664	2,271,498	95,257,162	95,275,807	0	95,275,807	3,411,994
Batticaloa		189,103	189,103	232,143,149	3,336,961	235,480,110	235,669,213	244,905,724	480,574,937	14,671,712
Ampara		1,565	1,565	46,564,058	4,023	46,568,081	46,569,646	0	46,569,646	69,107
Anuradhapura			-	70,393	126,302	196,695	196,695	0	196,695	3,351,276
Polonnaruwa			-		48,279	48,279	48,279	0	48,279	185,621
Total	6,548,024	15,393,099	21,941,123	800,556,025	60,100,468	860,656,493	882,597,615	1,084,702,376	1,967,299,992	98,662,925



Source: IMSMA

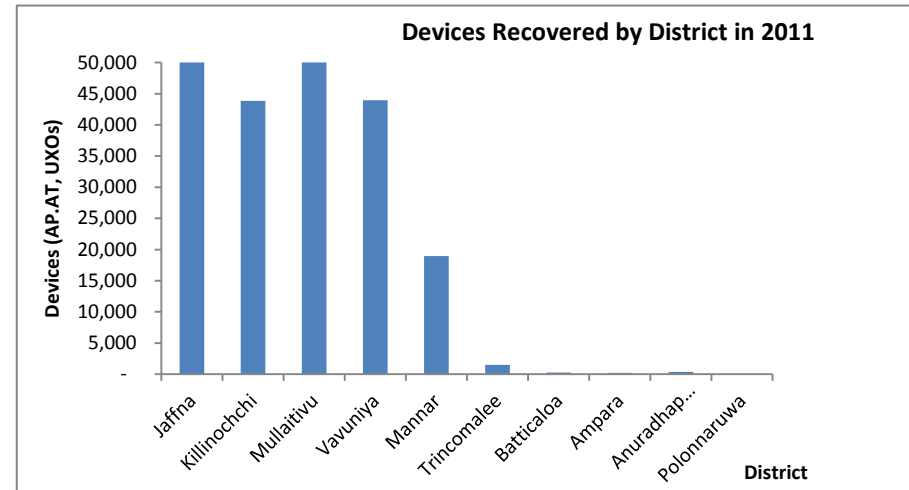
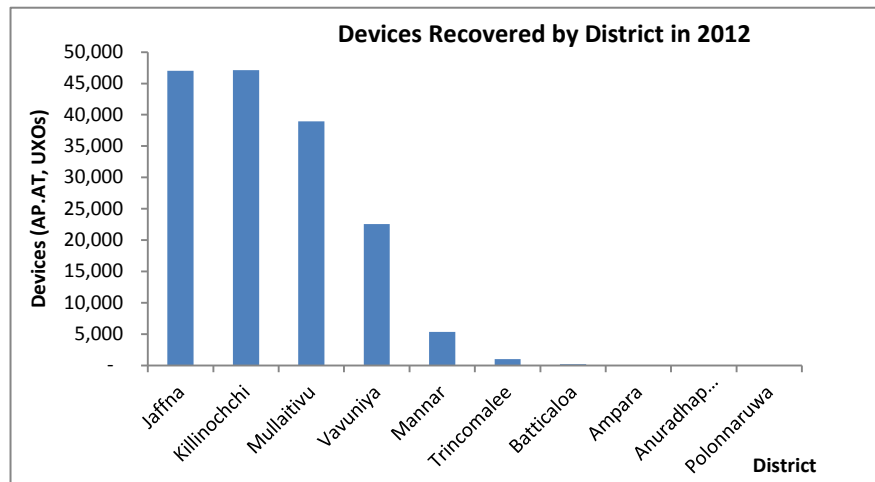
Note:

1. **BAC**- Battle Area Clearance, **MF** - Mine Field, **Mech.v**- Mechanical verification

**Ministry of Economic Development
Summary of Mine Clearance Progress**

Devices Recovered by Districts

District	Physical Progress											
	Devices Recovered											
	Year 2012 (As end of December)				From Year 2002 to 2011				Cumulative (2002 to December 2012)			
	AP	AT	UXO	Sub Total	AP	AT	UXO	Sub Total	AP	AT	UXO	Total
Jaffna	9,427	293	37,279	46,999	113,599	255	103,932	217,786	123,026	548	141,211	264,785
Killinochchi	12,282	58	34,802	47,142	46,301	90	175,513	221,904	58,583	148	210,315	269,046
Mullaitivu	25,674	16	13,258	38,948	76,663	272	21,763	98,698	102,337	288	35,021	137,646
Vavuniya	22,173	50	328	22,551	99,650	245	11,797	111,692	121,823	295	12,125	134,243
Mannar	5,279		99	5,378	87,801	51	14,641	102,493	93,080	51	14,740	107,871
Trincomalee	1,040		9	1,049	4,760	2	913	5,675	5,800	2	922	6,724
Batticaloa	215	1	5	221	5,891	5	16,992	22,888	6,106	6	16,997	23,109
Ampara	21			21	22		449	471	43	-	449	492
Anuradhapura				-	2,718		71	2,789	2,718	-	71	2,789
Polonnaruwa				-	8		6	14	8	-	6	14
Total	76,111	418	85,780	162,309	437,413	920	346,077	784,410	513,524	1,338	431,857	946,719



Source: IMSMA

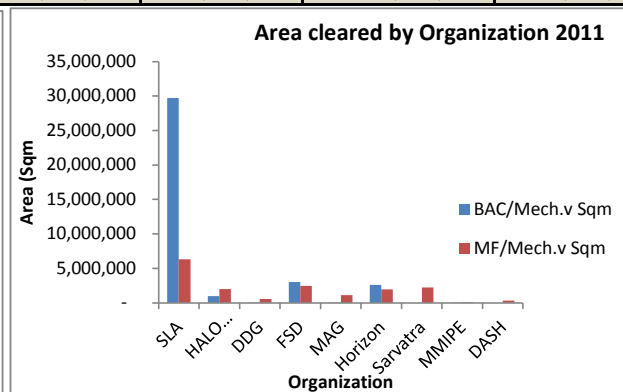
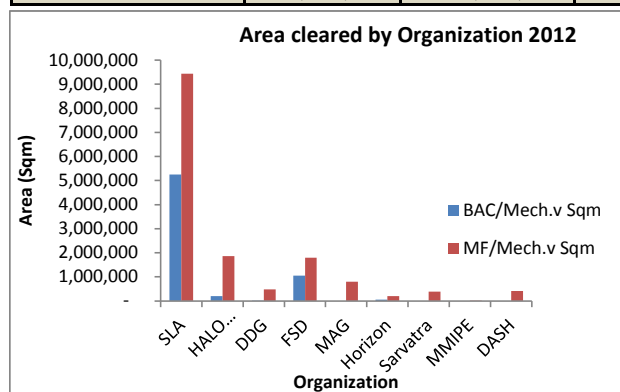
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1. **BAC**- Battle Area Clearance, **MF** - Mine Field, **Mech.v**- Mechanical verification

**Ministry of Economic Development
Progress of National Mine Action Programme**

Area Cleared by Organizations

Clearing Organization	Area cleared by Organization in Sqm								
	Year 2012 (As end of December)			From Year 2002 to 2011			Cumulative (2002 to December 2012)		
	BAC/Mech.v Sqm	MF/Mech.v Sqm	Sub Total	BAC/Mech.v Sqm	MF/Mech.v Sqm	Sub Total	BAC/Mech.v Sqm	MF/Mech.v Sqm	Total
SLA	5,246,126	9,440,321	14,686,447	580,672,040	20,886,496	601,558,536	585,918,166	30,326,817	616,244,983
HALO Trust	198,972	1,860,519	2,059,491	15,661,916	4,780,972	20,442,888	15,860,888	6,641,491	22,502,379
DDG	4,852	477,195	482,047	20,494,712	2,800,350	23,295,062	20,499,564	3,277,545	23,777,109
FSD	1,043,694	1,795,620	2,839,314	21,049,926	11,295,581	32,345,507	22,093,620	13,091,201	35,184,821
MAG		800,439	800,439	18,818,889	4,202,991	23,021,880	18,818,889	5,003,430	23,822,319
Horizon	54,380	205,441	259,821	90,493,628	2,748,443	93,242,071	90,548,008	2,953,884	93,501,892
Sarvatra		385,478	385,478	40,502,872	8,788,530	49,291,402	40,502,872	9,174,008	49,676,880
MMIPE		18,645	18,645	962,843	314,304	1,277,147	962,843	332,949	1,295,792
DASH		409,441	409,441		328,797	328,797	-	738,238	738,238
NPA			-	11,899,199	3,861,505	15,760,704	11,899,199	3,861,505	15,760,704
JCCP			-		92,499	92,499	-	92,499	92,499
Total	6,548,024	15,393,099	21,941,123	800,556,025	60,100,468	860,656,493	807,104,049	75,493,566	882,597,616



Survey by Joing Effort	1,084,702,376
BAC Total	807,104,049
MF Total	75,493,566
Grand total	1,967,299,992

Source: IMSMA

1. **BAC**- Battle Area Clearance, **MF** - Mine Field, **Mech.v**- Mechanical Verification,

**Ministry of Economic Development
Progress of National Mine Action Programme**

Devices Recovered by Demining Organizations

Agency	Type of Device	Devices Recovered		
		From Year 2002 to 2011	Year 2012	Cumulative (From 2002 to December 2012)
SLA	AP	41329	5282	46,611
	AT	96	5	101
	UXO	25235	10601	35,836
	Total	66,660	15,888	82,548
FSD	AP	80,370	16674	97,044
	AT	117	0	117
	UXO	19,838	1251	21,089
	Total	100,325	17,925	118,250
DDG	AP	49571	13,946	63,517
	AT	277	10	287
	UXO	33482	6,108	39,590
	Total	83,330	20,064	103,394
HALO Trust	AP	101,906	18227	120,133
	AT	62	351	413
	UXO	215,456	65218	280,674
	Total	317,424	83,796	401,220
MAG	AP	19051	1995	21,046
	AT	131	45	176
	UXO	11567	1210	12,777
	Total	30,749	3,250	33,999
Horizon	AP	43413	459	43,872
	AT	46	-	46
	UXO	3956	54	4,010
	Total	47,415	513	47,928
MMIPE	AP	9212	1040	10,252
	AT	50	-	50
	UXO	167	9	176
	Total	9,429	1,049	10,478
Sarvatra	AP	61894	16014	77,908
	AT	117	7	124
	UXO	5477	252	5,729
	Total	67,488	16,273	83,761
DASH	AP	478	2,474	2,952
	AT	0	-	-
	UXO	22825	1,077	23,902
	Total	23,303	3,551	26,854
JCCP	AP	282	-	282
	AT	-	-	-
	UXO	11	-	11
	Total	293	-	293
NPA	AP	29907		29,907
	AT	24		24
	UXO	8063		8,063
	Total	37994	0	37994
Grand Total	AP	437,413	76,111	513,524
	AT	920	418	1,338
	UXO	346,077	85,780	431,857
	Grand Total	784,410	162,309	946,719

Source: IMSMA

Note: AP- Anti Personal, AT- Anti Tank, UXO- Unexploded Ordnance

Civilian Casualty Breakdown (From 2002- December 2012)

District	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Grand Total
Ampara	1	0	0	5	0	0	0	1	0		2	9
Anuradhapura		13	4	0	0	4	0	4	0			25
Badulla	2	1	1	0	0	0	0	0	0			4
Batticaloa	3	2	7	0	26	7	0	6	2		1	54
Colombo		2	0	0	0	0	0	0	0			2
Gampaha	4	0	0	0	0	0	0	0	0			4
Hambantota	1	0	1	0	0	0	0	0	0			2
Jaffna	77	50	19	23	9	2	5	12	21	8	2	228
Kalutara		2	0	0	0	0	0	0	0			2
Kegalle	2	0	0	0	0	0	0	0	0			2
Kilinochchi	15	21	8	6	2	1	0	0	11	6	11	81
Kurunegala	4	0	0	0	0	0	0	0	0			4
Mannar	4	3	4	2	0	0	0	0	3		1	17
Matara	4	0	1	0	0	0	0	0	0			5
Monaragala	2	0	2	0	0	0	0	0	0			4
Mullaitivu	12	1	4	1	2	0	0	2	3	6	12	43
Nuwara Eliya	6	0	0	0	0	0	0	0	0			6
Polonnaruwa	2	6	1	0	0	0	0	0	0		2	11
Puttalam	4	1	0	0	7	0	0	0	1			13
Trincomalee	7	2	4	0	14	10	0	0	5		1	43
Vavuniya	4	7	0	2	3	0	1	1	1	3	1	23
Grand Total	154	111	56	39	63	24	6	26	47	23	33	582

