

Annual Progress Report on Mine Action Year 2013



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

Ministry of Economic Development

Annual Progress Report on National Mine Action Programme –As at 31 December 2013

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. **4,269 Km²** have been identified as safe areas out of the total estimated contaminated areas and the other balance of **2,064 Km²** were confirmed as Hazard Areas (CHA) by Survey. 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.

At present, five mine clearing organizations are functioning in Sri Lanka with the generous cooperation of the donor community. They are Sri Lanka Army Humanitarian Demining Unit (SLA & HDU), HALO Trust, Danish De-mining Group (DDG), Mines Advisory Group (MAG) and Delvon Assistance for Social Harmony (DASH). Several other national organizations are in operation on Mine Risk Education (MRE) under the UNICEF umbrella.

The Progress reports on Mine Action prepare 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 year 2013, area cleared by Battle Area Clearance (**BAC**), Mine Field Clearance (**MF**) and Mechanical Verification is **8,537,291 (8.5 km²)** and **123,529** all types of devices (**Anti-tank , Anti-Personnel and Unexploded Ordnances**) have been recovered. The cumulative figure of area clearance by deploying three methods of BAC, MF & Mech.V from 2002 to December 2013 is **891,333,823M² (891.33Km²)** and devices recovered are **1,072,575**. In addition, the areas of **1,089,610,081M² (1089Km²)** have been released by Survey too. Accordingly, total area cleared since the inception to end December 2013 is **1,980,943,904M² (1980 Km²)** and the remaining Confirmed Hazardous Areas (CHA) to be cleared is **83,852,381M² (83.85Km²)**

Scope of the problem - As at 31 December 2013

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	51,935,532	35,144,640	12,983,880	48,128,521	3,807,011
Killinochchi	597,375,765	32,761,139	546,554,949	579,316,088	18,059,677
Mullaitivu	230,331,444	168,583,830	45,564,185	214,148,015	16,183,429
Vavuniya	223,251,300	81,331,888	136,840,211	218,172,099	5,079,201
Mannar	314,669,910	195,653,687	102,511,817	298,165,504	16,504,406
sub total	1,417,563,950	513,475,184	844,455,042	1,357,930,226	59,633,724
Trincomalee	101,665,234	95,282,716		95,282,716	6,382,518
Batticaloa	495,262,449	235,711,249	245,155,039	480,866,288	14,396,161
Ampara	46,651,013	46,577,574		46,577,574	73,439
sub total	643,578,695	377,571,539	245,155,039	622,726,578	20,852,118
Anuradhapura	3,547,971	213,290	-	213,290	3,334,681
Polonnaruwa	105,669	73,810		73,810	31,859
Sub Total	3,653,640	287,100	-	287,100	3,366,540
Total	2,064,796,286	891,333,823	1,089,610,081	1,980,943,904	83,852,382

Source : IMSMA

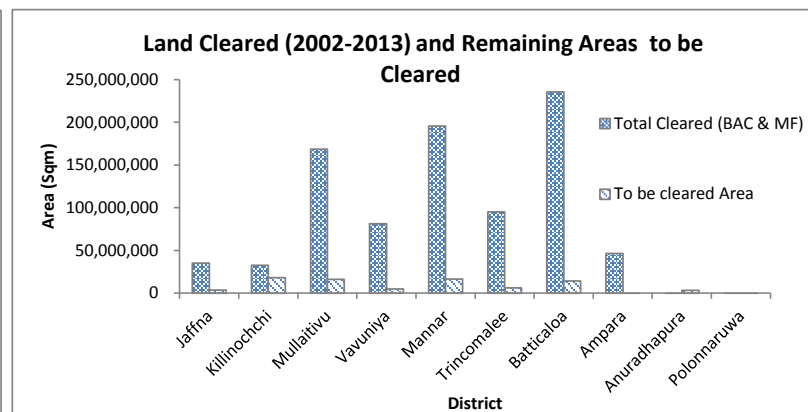
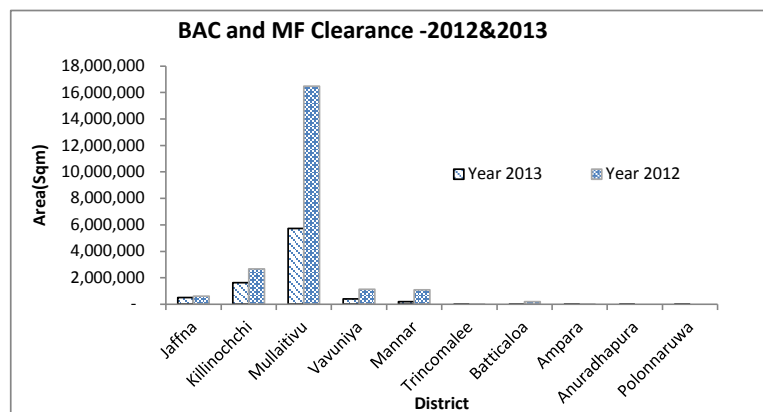
Note: Confirmed Hazardous Areas (CHA) is always determined based on the None Technical Survey (NTS).

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

Area Cleared by District

District	Physical Progress												
	Area Cleared in Sqm												Areas to be cleared in Sqm
	Year 2013			Year 2012			From Year 2002 to 2011			Total	Areas released by Survey in Sqm	Cumulative (2002 to Dec 2013)	
	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	Sub total				
Jaffna	14,474	488,918	503,392	22,040	578,820	600,860	28,849,298	5,191,091	34,040,389	35,144,640	12,983,880	48,128,521	3,807,011
Killinochchi	41,763	1,587,834	1,629,597	760,422	1,896,384	2,656,806	22,793,313	5,681,423	28,474,736	32,761,139	546,554,949	579,316,088	18,059,677
Mullaitivu	2,020,677	3,700,378	5,721,055	5,699,619	10,766,945	16,466,564	132,961,027	13,435,184	146,396,211	168,583,830	45,564,185	214,148,015	16,183,429
Vavuniya	4,554	399,606	404,160	74,043	1,054,012	1,128,055	69,472,295	10,327,378	79,799,673	81,331,888	136,840,211	218,172,099	5,079,201
Mannar	9,440	171,500	180,940		1,077,589	1,077,589	174,716,828	19,678,330	194,395,158	195,653,687	102,511,817	298,165,504	16,504,406
Trincomalee		6,909	6,909		18,645	18,645	92,985,664	2,271,498	95,257,162	95,282,716		95,282,716	6,382,518
Batticaloa		41,897	41,897		189,242	189,242	232,143,149	3,336,961	235,480,110	235,711,249	245,155,039	480,866,288	14,396,161
Ampara		7,215	7,215		2,279	2,279	46,564,058	4,022	46,568,080	46,577,574		46,577,574	73,439
Anuradhapura	5,391	11,204	16,595			-	70,393	126,302	196,695	213,290	0	213,290	3,334,681
Polonnaruwa		25,531	25,531			-		48,279	48,279	73,810	0	73,810	31,859
Total	2,096,299	6,440,992	8,537,291	6,556,124	15,583,916	22,140,040	800,556,025	60,100,467	860,656,492	891,333,823	1,089,610,081	1,980,943,904	83,852,382



Source: IMSMA

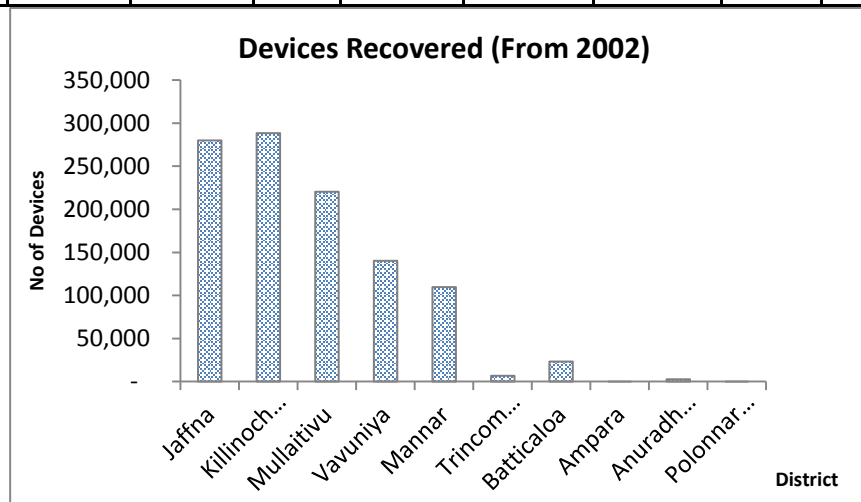
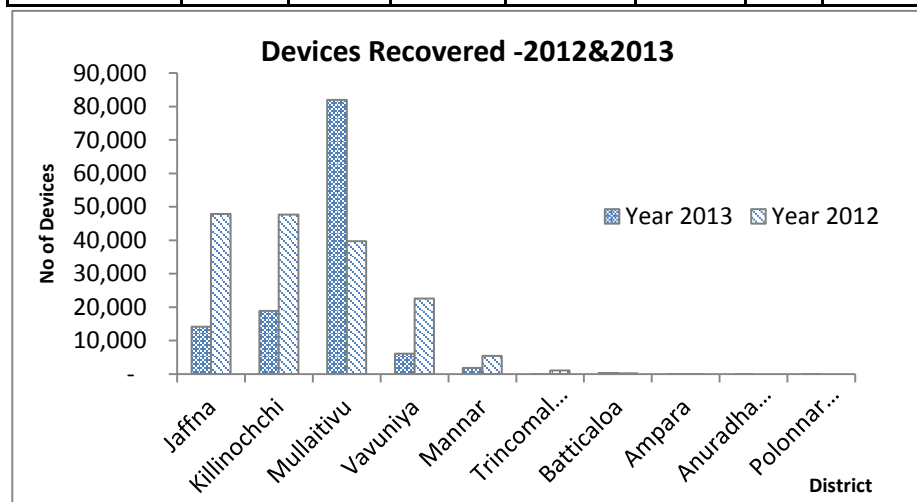
Note:

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 2013				Year 2012				From Year 2002 to 2011				Cumulative (2002 to Dec 2013)			
	AP	AT	UXO	Sub Total	AP	AT	UXO	Sub Total	AP	AT	UXO	Sub Total	AP	AT	UXO	Total
Jaffna	12,983	66	1,106	14,155	9,430	293	38,182	47,905	113,599	255	103,932	217,786	136,012	614	143,220	279,846
Killinochchi	11,884	194	6,830	18,908	12,782	67	34,884	47,733	46,301	90	175,513	221,904	70,967	351	217,227	288,545
Mullaitivu	40,889	14	41,132	82,035	26,399	16	13,318	39,733	76,663	272	21,763	98,698	143,951	302	76,213	220,466
Vavuniya	4,382	10	1,703	6,095	22,181	50	328	22,559	99,650	245	11,797	111,692	126,213	305	13,828	140,346
Mannar	1,766	3	77	1,846	5,307		100	5,407	87,801	51	14,641	102,493	94,874	54	14,818	109,746
Trincomalee	11	-	-	11	1,040		9	1,049	4,760	2	913	5,675	5,811	2	922	6,735
Batticaloa	289	-	48	337	215	1	5	221	5,891	5	16,992	22,888	6,395	6	17,045	23,446
Ampara	17	-	30	47	29			29	22		449	471	68	-	479	547
Anuradhapura	59	-	-	59				-	2,718		71	2,789	2,777	-	71	2,848
Polonnaruwa	16	-	20	36				-	8		6	14	24	-	26	50
Total	72,296	287	50,946	123,529	77,383	427	86,826	164,636	437,413	920	346,077	784,410	587,092	1,634	483,849	1,072,575



Source: IMSMA

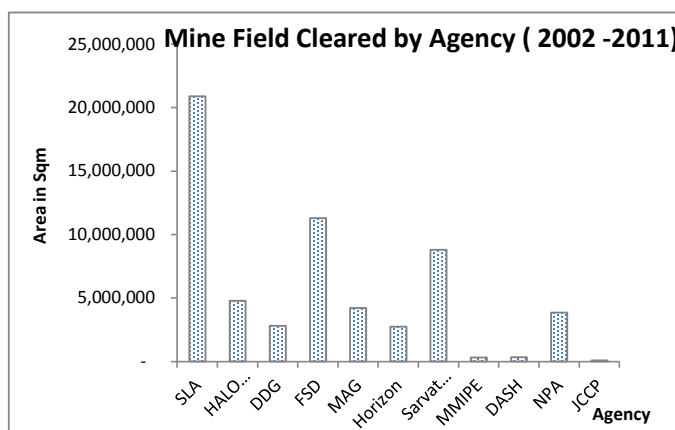
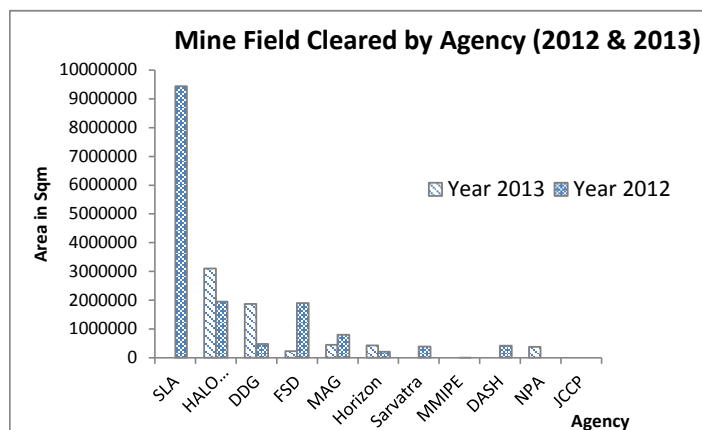
Note:

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 2013			Year 2012			From Year 2002 to 2011			Cumulative (2002 to Dec 2013)		
	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	Sub Total	BAC/Mech.v Sqm	MF/Mech.v Sqm	Total
SLA	1,422,838	3,102,219	4,525,057	5,246,126	9,435,545	14,681,671	580,672,040	20,886,496	601,558,536	587,341,004	33,424,260	620,765,264
HALO Trust	38,250	1,867,697	1,905,947	198,972	1,943,875	2,142,847	15,661,916	4,780,972	20,442,888	15,899,138	8,592,544	24,491,682
DDG	4,040	228,541	232,581	4,852	477,195	482,047	20,494,712	2,800,350	23,295,062	20,503,604	3,506,086	24,009,690
FSD		442,349	442,349	1,051,794	1,896,230	2,948,024	21,049,926	11,295,581	32,345,507	22,101,720	13,634,160	35,735,880
MAG		425,156	425,156		800,439	800,439	18,818,889	4,202,991	23,021,880	18,818,889	5,428,586	24,247,475
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	8,788,529	49,291,401	40,502,872	9,174,007	49,676,879
MMIPE			-		18,645	18,645	962,843	314,304	1,277,147	962,843	332,949	1,295,792
DASH	630,308	375,893	1,006,201		421,068	421,068		328,797	328,797	630,308	1,125,758	1,756,066
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	2095436	6441855	8,537,291	6,556,124	15,583,916	22,140,040	800,556,025	60,100,467	860,656,493	809,207,585	82,126,238	891,333,823



Survey by Joing Effort	1,089,610,081
BAC Total	809,207,585
MF Total	82,126,238
Grand total	1,980,943,904

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

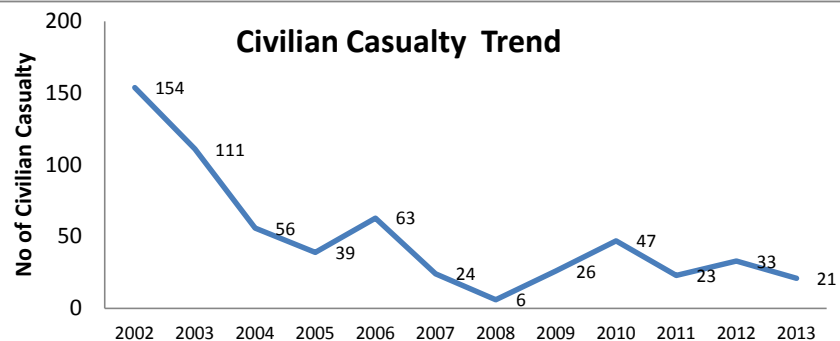
Agency	Type of Device	Devices Recovered			
		From Year 2002 to 2011	Year 2012	Year 2013	Cumulative (From 2002 to end Dec 2013)
SLA	AP	41329	5291	2794	49,414
	AT	96	5	5	106
	UXO	25235	10608	1140	36,983
	Total	66,660	15,904	3,939	86,503
FSD	AP	80,370	17435	13441	111,246
	AT	117	0		117
	UXO	19,838	1306	21	21,165
	Total	100,325	18,741	13,462	132,528
DDG	AP	49571	13,958	4,151	67,680
	AT	277	10	10	297
	UXO	33482	6,108	1,679	41,269
	Total	83,330	20,076	5,840	109,246
HALO Trust	AP	101,906	18654	24790	145,350
	AT	62	360	259	681
	UXO	215,456	66169	6646	288,271
	Total	317,424	85,183	31,695	434,302
MAG	AP	19051	1995	5329	26,375
	AT	131	45	0	176
	UXO	11567	1210	549	13,326
	Total	30,749	3,250	5,878	39,877
Horizon	AP	43413	459	0	43,872
	AT	46	-	0	46
	UXO	3956	54	0	4,010
	Total	47,415	513	-	47,928
MMIPE	AP	9212	1040	0	10,252
	AT	50	-	0	50
	UXO	167	9	0	176
	Total	9,429	1,049	-	10,478
Sarvatra	AP	61894	16014	0	77,908
	AT	117	7	0	124
	UXO	5477	252	0	5,729
	Total	67,488	16,273	-	83,761
DASH	AP	478	2,537	21,791	24,806
	AT	0	-	13	13
	UXO	22825	1,110	40,911	64,846
	Total	23,303	3,647	62,715	89,665
JCCP	AP	282	-		282
	AT	-	-		-
	UXO	11	-		11
	Total	293	-	-	293
NPA	AP	29907			29,907
	AT	24			24
	UXO	8063			8,063
	Total	37,994	-	-	37,994
Grand Total	AP	437,413	77,383	72,296	587,092
	AT	920	427	287	1,634
	UXO	346,077	86,826	50,946	483,849
	Grand Total	784,410	164,636	123,529	1,072,575

Source: IMSMA

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

Civilian Casualty Breakdown (From 2002- end of Dec 2013)

District	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	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	1	55
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	3	231
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	10	91
Kurunegala	4	0	0	0	0	0	0	0	0				4
Mannar	4	3	4	2	0	0	0	0	3		1	2	19
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	2	45
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	3	46
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	21	603



Source: IMSMA