

PROVINCE OF THE EASTERN CAPE  
IPHONDO LEMPUMA KOLONI  
PROVINSIE OOS-KAAP

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KING WILLIAM'S TOWN, 8 SEPTEMBER 2009

**No. 2192**  
(Extraordinary)

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## PREMIER'S NOTICE

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**No. 1****8 September 2009****PROVINCE OF THE EASTERN CAPE****OFFICE OF THE PREMIER****DECLARATION OF THE PROVINCIAL STATE OF DROUGHT DISASTER**

After consultation with the Members of the Executive Council the Premier of the Eastern Cape Province hereby declares the state of drought disaster within the following District Municipalities:

Amathole District Municipality area

Alfred Nzo District Municipality area


Cacadu District Municipality area

Chris Hani District Municipality area

O.R.Tambo District Municipality area

Ukhahlamba District Municipality area

All affected Local Municipalities within the District Municipalities are also declared drought disaster affected areas.



**SIGNED: N. KIVIET**

**PREMIER IN THE EXECUTIVE COUNCIL**

**PROVINCE OF THE EASTERN CAPE**

**DATE: 03/09/09**

## EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

## ANNEXURE A

## SUMMARY OF COSTS

DISTRICT MUNICIPALITY	QUANTIFIED COSTS IN RANDS
Alfred Nzo DM	R 105,844,674.00
Amathole DM	R 156,930,105.64
Cacadu DM	R 328,525,284.67
Chris Hani DM	R 253,627,667.44
OR Tambo DM	R 255,325,047.00
Ukhahlamba DM	R 84,208,219.00
<b>GRAND TOTAL</b>	<b>R 1,184,460,997.75</b>

**EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009**

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
ALFRED NZO	Umzimvubu	The source for Mnceba scheme is falling far below the demand. Provide water to 28 villages.	Seal leaks at weir and change the inlet. Capture an additional source and relay it into the bulk supply pipe lines.	R 400,000.00
		Mhluzini, Spundu, Ndiantaka villages	Construct an additional weir to Mnceba scheme	R 375,000.00
		At Goso & Mhluzini villages there is no sufficient reservoir capacity for storage during low flow yields at Mnceba scheme	Construction of storage reservoirs & reticulation to Goso & Mhluzini.	R 600,000.00
		Gudlintaba, Ngwekegweni villages where people rely on natural streams	Capture existing springs, construct reservoirs and install stand pipes	R 150,000.00
		Maqabaneni community rely on streams	Capture existing springs, construct reservoirs and install stand pipes	R 85,000.00
		Tela water project spring yield dropped and supply is insufficient	Protect existing spring, repair seepage & leaks, stand pipes	R 65,000.00
		Dambeni spring yields have dropped	Capturing of two other springs. Installing a 5000 liter tank for chlorination.	R 85,000.00
		Cabazana villagers using unprotected streams	Capturing 2 springs, reservoirs, reticulation	R 250,000.00
		Gillespie/Dundee spring dried up	Constructing a storage reservoir and a rising main from Mngwane borehole from water will be pumped.	R 450,000.00
		Upper Dutyini water seepages through existing spring capturing causing low yields	Refurbish	R 85,000.00
		Lower Dutyini no storage during low flows – community has no other option	Construct a large reservoir	R 350,000.00
		Mapheleni Phepeni regional scheme dried up completely	Construct weir, associated piping, concrete works etc	R 250,000.00
		Mfulamkulu water project dried up	Capturing alternative spring & associated pipe work	R 100,000.00
		Ndzongiseni spring yield dropped	Alternative spring capturing & reticulation	R 135,000.00
		Ngwegweni spring yield dropped	Capture alternative spring & interconnecting	R 55,000.00
		Mdeni traditional water sources dried up	Capture springs, reservoir & reticulation	R 265,000.00

# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN Rands
ALFRED NZO		Qadu spring yields dropped	Capturing alternative spring & interconnect	R 100,000.00
		Sikhemane spring yield dropped	Capture second spring & interconnect	R 100,000.00
		Mjikelweni dried up completely	Capture an alternative spring & interconnect	R 85,000.00
		Ntlabeni spring yield dropped	Capture an additional spring & associated pipe work	R 120,000.00
		Gubuzi has no water source	Connect to Kwa Bacha, 5000 liter tank for chlorination	R 65,000.00
		Closest water to Upper Mkhemane is 6 Km	Capture a spring about 2 Km away & associated pipe work	R 25,000.00
		Tanakulu water leakages	Replace taps & fittings	R 10,000.00
		Mpindweni water source needs to be protected in a better way	Valve chamber lids to be locked & 2 more taps	R 25,000.00
		Khokonxa water source protection required	Repair leaking reservoir, taps, valves etc	R 15,000.00
		Mthanjeni settlement has no water	Extend existing scheme with 10 taps	R 65,000.00
		Mampondomiseni new settlement to be supplied	Extend reticulation	R 25,000.00
		Cancele new settlement to be provided	Extending reticulation	R 18,000.00
		Ngqwarha spring yield has dropped	Protect existing spring & provide a tank & associated pipe work	R 45,000.00
		Sinyaqa insufficient water	Bigger engine & pump required	R 62,000.00
		Mgodi new settlement to be provided	Extend reticulation	R 12,000.00
		Ngqwarha spring yield dropped	Protect spring, reservoir, pipe work	R 100,000.00
		Mdeni – no water supply	Capture spring & associated pipe work	R 150,000.00
		Madileni no water supplied.	Capture spring & associated pipe work	R 185,000.00
		Lack of Water	Ward 7 (5 Villages affected)	R 58,000,000.00
		Veld Fires - Lack of Feed, Lack of Water	Ward 10 (6 Villages affected)	R 2,000,000.00
		Mealie fields destroyed by veldt fires and livestock affected	Ward 11 (7 Villages affected)	R 2,440,000.00
		Hectors of Mealie Fields destroyed by Fires, Livestock dead, lack of feed	Ward 12 (8 Villages affected)	R 65,000.00
		Soil Erosion, mealie fields dried, livestock dead	Ward 14 (3 Villages affected)	R 1,500,000.00
		Soil Erosion, Water Scarcity, Destroyed mealies	Ward 20 (10 Villages affected)	R 9,000,000.00

# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
ALFRED NZO		Soil Erosion, Bridges destroyed, Livestock dead due to veldt fires	Ward 21 (4 Villages affected)	R 1,900,000.00
		Mealie fields destroyed by veldt fires	Ward 24	R 400,000.00
		Shortage of water supply in health facility.	1 Hospital affected - Purchase of water carters and carting of water	R 1,470,000.00
		Shortage of water supply in health facilities.	23 clinics affected - Purchase of water carters and carting of water Carting of water	R 1,127,000.00
		Very low/poor production of crops in Social Development projects	4 Villages affected	R 55,000.00
		Water shortage for agricultural purposes and projects	Windmills repairs	R 225,000.00
		Water shortage for agricultural purposes and projects	Dams scooping	R 330,000.00
		Water shortage for agricultural purposes and projects	Boreholes testing and repairs	R 96,000.00
<b>Subtotal</b>				<b>R 83,515,000.00</b>
	Matatiele	Tsitsong no access to water or springs	Drilling borehole, equipping with pump, rising main, tanks, stand pipes	R 300,000.00
		Nkasela no access to water or springs	Drilling borehole, equipping with pump, rising main, tanks, stand pipes	R 230,000.00
		Mazizini no access to water or springs	Drilling borehole, equipping with pump, rising main, tanks, stand pipes	R 180,000.00
		Rashule no access to water	Equipping existing borehole, rising main, tanks, stand pipes	R 190,000.00
		Mdeni borehole not equipped. No access to water	Equipping existing borehole, rising main, tanks, stand pipes	R 200,000.00
		Gudlintaba borehole not equipped. No water	Equipping existing borehole, rising main, tanks, stand pipes	R 210,000.00
		Marwasheni borehole not equipped. No water	Drilling borehole, equipping with pump, rising main, tanks, stand pipes	R 250,000.00
		Pontseng borehole not equipped	Equipping existing borehole, rising main, tanks, stand pipes	R 215,000.00
		Mahlabathini no access to water	Install tanks and cart water	R 190,000.00
		Thafa borehole not equipped	Equipping existing borehole, rising main, tanks, stand pipes	R 170,000.00
		Tshisa no access to water	Install tanks and cart water	R 210,000.00



# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN Rands
ALFRED NZO		Good Hope no access to water	Install tanks and cart water	R 200,000.00
		Mango no access to water	Water carting	R 200,000.00
		Mapoleng no access to water	Install tanks and cart water	R 210,000.00
		Matias spring not yet captured	Spring protection, solar pump, rising main, tank	R 200,000.00
		Moyaneng borehole not equipped	Equip borehole, rising main	R 300,000.00
		Black Diamond borehole not equipped	Equip borehole, rising main, tanks	R 280,000.00
		Ramafole borehole not equipped	Equip borehole and protect 3 springs	R 360,000.00
		Fobane borehole not equipped	Equip borehole, rising main	R 280,000.00
		Various areas and villages do not have access to any safe water.	6 x tractors with tank trailers are urgently required to bring relief to those villages until more permanent solutions can be found	R 2,400,000.00
		Matatiele/Maluti water demand far exceeding available sources	Implement additional water sources for these two towns	R 5,000,000.00
		Providing emergency water	200 x 5000 liter JOJO tanks with fittings	R 1,200,000.00
		Emergency water purification	2 x mobile water treatment package plants with generators, pumps, movable reservoirs etc.	R 7,000,000.00
		Shortage of water supply in health facilities.	8 clinics affected - Purchase of water carters and carting of water.	R 392,000.00
			Carting of water for 8 Clinics	
		Very low/poor production of crops and high mortality rate of livestock in Social Development projects	9 Villages affected	R 1,239,674.00
		Water shortage for agricultural purposes and projects	Windmills repairs	R 225,000.00
		Water shortage for agricultural purposes and projects	Dams scooping	R 210,000.00
		Water shortage for agricultural purposes and projects	Boreholes testing and repairs	R 288,000.00
<b>Subtotal</b>				<b>R 22,329,674.00</b>
<b>Grand Total</b>				<b>R 105,844,674.00</b>



**EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009**

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
AMATHOLE DM	Amahlathi LM	Water shortage	Tanker carting water to Heckel & Ndakana	R 1,550,357.36
		Water shortage	Ground water investigation - drill and equip 5 boreholes with handpumps	R 415,000.00
		Water shortage	Water Conservation Stutterheim	R 750,000.00
		Water shortage	Repair filters Cathcart	R 843,949.85
		Water shortage	Water Conservation Cathcart	R 500,000.00
		Water shortage	Borehole Exploration Cathcart - 4 boreholes (excludes equipping)	R 320,000.00
		Shortage of water	4 Clinics	R 196,000.00
		Shortage of water	Mgwali Ward 14 Tiyo Soga Agricultural Co operative Project	R 16,486.00
		Shortage of water	Kei Road Ward 9 Sophakama Ngemizamo Project	R 17,800.00
		Shortage of water	Rarabe Admin Area	R 10,690.00
		Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,320,000.00
			<b>SUB TOTAL</b>	<b>R 8,940,283.21</b>
	<b>Great Kei LM</b>	Shortage of water	Equip boreholes - Haga Haga	R 85,711.13
		Shortage of water	Operate Boreholes Haga Haga	R 23,960.00
		Shortage of water	Upgrade Raw Water Line Haga Haga	R 1,580,378.00
		Shortage of water	Tanker carting water to Haga Haga	R1195 970.91
		Shortage of water	Emergency Supply Kei Mouth / Morgans Bay	R 294,483.20
		Shortage of water	Operate Emergency Supply Kei Mouth / M bay	R 720,000.00
		Shortage of water	Tanker carting water Mooiplaas / Kwelera	R 1,207,678.00
		Shortage of water	Ground Water Investigation - includes equipping 5 boreholes with handpumps	R415,000.00
		Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,320,000.00
			<b>SUB TOTAL</b>	<b>R 8,232,210.33</b>
	<b>Mbashe LM</b>	Shortage of water	Tanker Water Elliotdale villages	R 1,052,600.00

**EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009**

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
AMATHOLE		Shortage of water	Tanker carting water Willowvale villages	R 342,000.00
		Shortage of water	Ground Water Investigation - includes equipping 15 boreholes with handpumps	R 15,452,699.98
		Shortage of water	Water conservation in Dutywa	R 1,253,340.24
		Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,470,000.00
		Shortage of water	27 Clinics	R 1,323,000.00
		Shortage of water	Madwaleni Hospital	R 1,764,000.00
			<b>SUB TOTAL</b>	<b>R 25,657,640.22</b>
	Inxuba LM	Shortage of water	Upgrade Fish River pumps	R 1,933,587.90
		Shortage of water	Tanker carting water from Alice (Inclusive of jojo tanks, fittings & SANDF)	R 5,506,868.68
		Shortage of water	Additional Jojo tanks (20)	R 70,000.00
		Shortage of water	Additional Water tankers	R 1,539,000.00
		Shortage of water	Ground Water Investigation (excludes equipping)	R 1,300,000.00
		Shortage of water	Water Conservation	R 1,000,000.00
		Shortage of water	Restocking of dams with species	R 140,000.00
		Shortage of water	Risk analysis of climate change and alien vegetation in water catchments within Amathole	R 750,000.00
		Shortage of water	Removal of alien vegetation species	R 210,000.00
		Shortage of water	Environmental Education – water awareness	R 50,000.00
		Shortage of water	Infrastructure to be refurbished	R 30,150.00
		Shortage of water	Drilling of Boreholes	R 16,000,000.00
		Shortage of water	Equipping Boreholes (Pumps & Switchgear)	R 13,000,000.00

**EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009**

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
AMATHOLE		Shortage of water	Dam Scooping: Almost 20 dams per Local Municipality, Borehole Testing & Repairs: 10 Boreholes per Local Municipality and Windmill Repairs: 10 windmills per Local Municipality	R 2,310,000.00
		Shortage of water	Electricity Supply	R 150,000.00
		Shortage of water	Water Carting (max 20%)	R 1,000,000.00
		Shortage of water	Geohydrological investigation	R 43,176,816.00
		Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,320,000.00
			<b>SUB TOTAL</b>	<b>R 92,486,422.58</b>
	Buffalo City LM	Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,470,000.00
		Shortage of water	Phumlani Food Security	R 50,000.00
		Shortage of water	Ncera Food Security	R 101,000.00
		Shortage of water	Khazimla Women Co- operative	R 129,000.00
			<b>SUB TOTAL</b>	<b>R 4,750,000.00</b>
	Ngqushwa LM	Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,320,000.00
		Shortage of water	Rura Development Food Security	R 27,428.70
		Shortage of water	Lower Gwalana Food Security	R 1,452.90
		Shortage of water	Woodridge Food Security	R 32,090.00
		Shortage of water	Zamani Food Security	R 26,327.00
		Shortage of water	Masincedisane Food Security	R 49,500.00
		Shortage of water	Mtati Women Co- operative	R 31,390.50
		Shortage of water	Qaqambile Food Security	R 50,900.00
		Shortage of water	Masivuye Food Security	R 60,085.00
		Shortage of water	Masiphakame Ngxakaxha Food Security	R 16,603.20
		Shortage of water	Peddie Extension Women Co- operative	R 61,774.00
		Shortage of water	Lower Mgwala Food Security	R 10,098.00

## EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
AMATHOLE			SUB TOTAL	R 4,687,649.30
	Nkonkobe LM	Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,470,000.00
		Shortage of water	6 Clinics	R 294,000.00
		Shortage of water	6 Clinics	R 294,000.00
		Shortage of water	Mdeni Nceba Food Security	R 14,000.00
		Shortage of water	Maslmnyane Food Security	R 13,900.00
		Shortage of water	Masakhe Food Security	R 60,000.00
		Shortage of water	Joji Sakhikamva Food Security	R 4,000.00
		Shortage of water	Sivusulimo Food Security	R 12,000.00
		Shortage of water	Nomveliso Food Security	R 40,000.00
		Shortage of water	Qamdebowa Food Security	R 5,000.00
			SUB TOTAL	R 5,206,900.00
	Mnquma LM	Shortage of water	Dam Scooping, Borehole Testing & Repairs and Windmill Repairs	R 4,470,000.00
		Shortage of water	21 Clinics	R 1,029,000.00
		Shortage of water	Tafalofefe Hospital	R 1,470,000.00
			SUB TOTAL	R 6,969,000.00
GRAND TOTAL				R 156,930,105.64

**EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009**

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
CACADU DM	Camdeboo	Shortage of water impact as follows: <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor vegetable fruit growth and Sun-burn Midland Hospital also affected by the impacts of drought - R1,764,000	Need for Rainwater Tanks: R36,368,000 Feasibility study needed for the Nqweba Dam: R750,000 Number of Farmers affected - 264 Live Stock Units affected - 64597 : R11,259,643.67	R 50,141,643.67
	Blue Crane	Shortage of water impact as follows: <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor vegetable, fruit growth and Sun-burn	Need for Rainwater Tanks: R31,049,000 Maintenance to the reservoirs: Cookhouse -R500,000. Pearston - R500,000 Number of Farmers affected - 56 Live Stock Units affected - 17510: R2,587,200	R 34,636,200.00
	Ikwezi	Jansenville: no surface water, decrease in yield of boreholes, boreholes drying up Klipplaar: only source of water is surface water Klipfontein dam: Currently less than quarter full.	Need for Rainwater Tanks: R 1,900,000 Bulk water supply: R60m Maintenance to the reservoirs: Klipplaar - R500,000 Jansenville R500,000. Number of Farmers affected - 115 Live Stock Units affected - 20946 - R4,401,288.90	R 67,301,289.00
	Makana	Shortage of water impact as follows: <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor fruit growth, small fruit and Sun-burn	Need for Rainwater Tanks: R5,918,000	R 5,918,000.00
	Ndlambe	Shortage of water impact as follows: : <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor vegetable growth, small fruit and Sun-burn	Need for Rainwater Tanks: R3,500,000 Maintenance to the reservoirs: Cannon Rocks/Boknes - R1,500,000 Seafeld/Kleinemonde - R500,000	R 5,500,000.00

# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
CACADU DM	Sundays River Valley	Shortage of water impact as follows: <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor vegetables, fruit growth, small fruit and Sun-burn	Need for Rainwater Tanks: R5,670,000 Maintenance to the reservoir at Addo Nomathamsanga -R1,200,000 Ceasars Dam- R1,200,000 Kirkwood - R1,200,000 Number of Farmers affected - 92 Live Stock Units affected - 14430: R3,083,211	R 12,353,211.00
	Baviaans	Shortage of water impact as follows: <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor fruit growth, small fruit and Sun-burn	Need for Rainwater Tank - R14,250,000 Shortage of Bulk Supply: Steytlerville - R69,000,000 Retrofit of toilet cisterns: Willowmore and Steytlerville -R1,800,000 Equipment needed for borehole pumping station -R7,546,800 Number of Farmers affected - 199 Live Stock Units affected - 30349 - R7,788,141.90	R 100,384,941.00
	Kouga	Shortage of water impact as follows: <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor fruit growth, small fruit and Sun-burn	Need for Rainwater Tank - R41 470,000 Maintenance to the reservoir at Patensie - R250,000	R 41,720,000.00
	Koukamma	Shortage of water impact as follows: <i>Grazing</i> - Most grazing is poor and at risk which impact negatively on Live stock units <i>Vegetation</i> : Poor re-growth and increase in veldfire risk <i>Crop</i> : Contributing to poor fruit growth, small fruit and Sun-burn	Need for Rainwater Tanks -R10,270,000 Maintenance to the reservoirs: Blikkiesdorp - R150,000 Coldstream - R150,000	R 10,570,000.00
GRAND TOTAL				R 328,525,284.67



# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
CHRIS HANI	Emalahleni LM	14 Villages are having water shortage	Drill, equip 12 boreholes and construct rising mains to the main existing storage tanks	R 8,960,000.00
		17 Clinics are operating with water shortage	Cart water to the clinics	R 543,869.20
		Glen Grey Hospital operating with water shortage	Cart water to the hospital	R 1,764,000.00
		153 Schools are currently operating without water	Cart water to the schools	R 3,103,583.68
		873 farmers and 26256 Livestock Units affected	Provide assistance to the farmers	R 15,319,391.20
		Crops and sorghum seeds destroyed in 5 Social development projects	Revitalize the projects	R 15,300.00
	Sub- total			R 29,706,144.08
	Engcobo LM	39 Villages are having water shortage	Drill, equip 18 boreholes and construct rising mains to the main existing storage tanks	R 31,040,000.00
		16 Clinics are currently operating with water shortage	Cart water to the clinics	R 610,476.52
		Mjanyana and All Saints hospitals are operating with water shortage	Cart water to the hospitals	R 3,675,000.00
		121 Schools are currently operating without water	Cart water to the schools	R 2,375,709.56
	Sub- total			R 37,701,186.08
	Intsika Yethu LM	27 villages having water shortage	Cart water to affected villages, develop three reservoirs and piping	R 15,000,000.00
		18 Clinics are operating with water shortage	Cart water to the clinics	R 563,956.12
		267 Schools are currently operating without water	Cart water to the schools	R 5,397,693.64
		9 villages with dry dams, 503 Livestock units affected in 2 villages	Provide assistance to the farmers	R 3,327,000.00
		100 000 cabbage seedlings damaged, no production in planted potatoes and onions	Revitalize the projects	R 24,700.00
	Sub- total			R 24,313,349.76
	Inkwanca LM	119 farmers and 19736 Livestock Units affected	Provide assistance to the farmers	R 4,282,153.00
		2896 Hectors of arable land is affected		
	Sub- total			R 4,282,153.00



## EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
CHRIS HANI	Inxuba Yethemba LM	5220 Households are having water shortage	Cart water to the communities and drill boreholes	R 105,631,920.00
		7 Clinics are operating with shortage of water	Cart water to the clinics	R 343,000.00
	Sub- total			R 105,974,920.00
	Lukhanji LM	15 Villages are having shortage of water	Drill 38, equip 40 boreholes, assess existing 6 boreholes and construct rising mains to the main existing storage tanks	R 6,950,000.00
		3 Clinics are having water shortage	Cart water to the clinics	R 147,000.00
		682 farmers and 33174 Livestock Units affected	Provide assistance to the farmers	R 19,787,746.26
	Sub- total			R 26,884,746.26
	Sakhisizwe LM	10 Clinics are operating with water shortage	Cart water to the clinics	R 432,500.00
		658 farmers and 10577 Livestock Units affected	Provide assistance to the farmers	R 7,271,721.42
	Sub- total			R 7,704,221.42
	Tsolwana LM	8 Villages are experiencing water shortage	Carting water to affected villages, drill, equip 6 boreholes and construct rising mains to the main existing storage tanks	R 6,274,498.82
		412 farmers and 15134 Livestock Units affected	Provide assistance to the farmers	R 10,263,864.02
		26 Schools are currently operating without water	Cart water to the schools	R 522,584.00
	Sub- total			R 17,060,946.84
Grand Total				R 253,627,667.44

# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY OR TAMBO	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
	Mbizana	Water shortage	398 Water Tanks needed	R 995,000
		Water shortage and grazing field affected	184 Villages affected - Purchase of water cart truck, hiring trucks, drilling bore holes, rain water harvesting, repairing schemes	R 17,513,000.00
		Water shortage in Health Facilities	2 Hospitals affected - Purchase of water carters and carting of water	R 4,410,000.00
			<b>Subtotal</b>	<b>R 18,508,000.00</b>
	King Sabata Dalindyebo	Water shortage, Grazing fields affected resulting in death of livestock and Community projects affected	11 Wards affected - Purchase of Fencing affected by veld fires	R 6,850,000.00
		Water shortage, Maize -1865ha affected, agricultural services and critical facilities affected, livestock dead, dams had dried up, Windmills, bore-hole testing repairs	166 villages affected - Purchase of new water cart truck and windmills, hiring trucks, drilling of bore holes and repairs, rain water harvesting, repairing schemes, relief	R 71,381,520.00
		Water shortage in Health Facility	1 Hospital affected - Purchase of water cartes and carting of water	R 2,205,000.00
		Water shortage in Health Facilities	35 Clinics affected - Purchase water carters and carting of water	R 1,715,000.00
		Poor production of crops in Social Development projects	2 Villages affected	R 24,000.00
			<b>Subtotal</b>	<b>R 82,175,520.00</b>
	Port St Johns	Water shortage, Agriculture services affected	52 Villages affected - Purchase of water cart truck, hiring of trucks, drilling of bore holes, rain water harvesting, repairing schemes	R 33,772,500.00
		Poor production of crops for Social Development projects	1 Village affected	R 14,300.00
		Water shortage in Health Facility	1 Hospital affected - Purchase of water cartes and carting of water	R 1,764,000.00
			<b>Subtotal</b>	<b>R 33,772,500.00</b>

**EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009**

DISTRICT MUNICIPALITY OR TAMBO	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
	Nyandeni	Water shortage and grazing field affected	205 Villages affected - Purchase of water cart truck, hiring of trucks, drilling of bore holes, rain water harvesting, repairing schemes	R 14,767,500.00
		Water shortage in Health Facilities	2 Hospitals affected - Purchase of water carters and carting of water	R 4,116,000.00
		Water shortage in Health Facilities	25 Clinics affected - Purchase of water carters and carting of water	R 1,225,000.00
		Poor production of crops in Social Development projects	6 Villages affected	R 691,600.00
			<b>Subtotal</b>	<b>R 20,800,100.00</b>
	Ingquza Hill	Water shortage and grazing field affected	64 Villages affected - Purchase of water cart truck, hiring of trucks, drilling of bore holes, rain water harvesting, repairing schemes	R 15,155,000.00
		Water shortage in Health Facility	1 Hospital affected - Purchase of water cartes and carting of water	R 1,323,000.00
		Water shortage in Health Facilities	35 Clinics affected - Purchase water carters and carting of water	R 1,715,000.00
		Poor production of crops for Social Development projects	2 Villages affected	R 4,500.00
			<b>Subtotal</b>	<b>R 18,197,500.00</b>
	Ntabankulu	Water shortage and grazing field affected	85 Villages affected - Purchase of water cart truck, hiring of trucks, drilling of bore holes, rain water harvesting, repairing schemes	R 44,117,500.00
		Poor production of crops and high mortality rate of livestock in Social Development projects	3 Villages affected	R 31,500.00
		Water shortage in Health Facility	1 Hospital affected - Purchase of water cartes and carting of water	R 1,323,000.00
			<b>Subtotal</b>	<b>R 45,472,000.00</b>
	Mthlontlo	Water shortage and grazing field affected	74 Villages affected - Purchase of water cart truck, hiring of trucks, drilling of bore holes, rain water harvesting, repairing schemes	R 12,255,000.00

# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY OR TAMBO	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
		Water shortage in Health Facilities	2 Hospitals affected - Purchase of water carts and carting of water	R 3,234,000.00
		Water shortage in Health Facilities	20 Clinics affected -Purchase of water carts and carting of water	R 980,000.00
		Poor production of crops for Social Development projects	9 Villages affected	R 19,930,427.00
			<b>Subtotal</b>	<b>R 36,399,427.00</b>
<b>GRAND TOTAL</b>				<b>R 255,325,047.00</b>

**EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009**

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
UKHAHLAMBA	Elundini LM	There is water shortage and some dams have dried. Communities, Schools, Clinics, Livestock, Agricultural Land and other institutions are affected by the water shortage. The constant supply of water in the entire area has been affected. Water quality is compromised due to illegal connections.	1) Carting water to the affected areas R15 Million 2) Drill boreholes and develop water catchment areas R5 Million	R 20,000,000.00
		Taylor's Bequest hospital operating with water shortage	Cart water to the hospital	R 1,323,000.00
		16 Clinics are operating with water shortage	Cart water to the clinics	R 784,000.00
		Anticipated yields damaged, irrigation pipes destroyed by fire and hydroponic funnels destroyed by strong winds in three Social development projects.	Revegetate the projects	R 41,900.00
	<b>Sub total</b>			<b>R 22,148,900.00</b>
	Gariep LM (Burgersdorp)	The main (De Bruin) dam is dry as a result of poor rain fall since September 2008. Communities, Schools, Clinics, Livestock, Agricultural Land and other institutions are affected by the water shortage.	1) Carting water to the affected areas 2) Drill boreholes 3) Pumping water into the reservoirs	R 5,000,000.00
	Gariep LM (Steynsburg)	The Dam providing water is dry. Communities, Schools, Clinics, Livestock, Agricultural Land and other institutions are affected by the water shortage.	1) Carting water to the affected areas 2) Drill boreholes 3) Pumping water into the reservoirs	R 2,500,000.00
		3 and half hectares of Seedlings for cabbage, Spinach, peas, garlic, onion, green beans, green pepper and potatoes were lost in three Social Development projects	Revegetate the projects	R 108,000.00
		257 farmers and 51114 Livestock Units affected	Provide assistance to farmers	R 7,768,198.00
	<b>Sub total</b>			<b>R 15,376,198.00</b>
	Maletswai LM (Jamestown)	The area is experiencing water shortages in the townships.	1) Carting water to the affected areas 2) Drill boreholes	R 2,500,000.00
		Seedlings of Spinach, Green beans, Onions, Green Pepper were lost in two Social development projects	Revegetate the projects	R 29,000.00
		341 farmers and 48623 Livestock Units affected	Provide assistance to farmers	R 9,840,049.00
	<b>Sub total</b>			<b>R 12,369,049.00</b>
	Senqu LM	There is water shortage and some dams have dried. Communities, Schools, Clinics, Livestock, Agricultural Land and other institutions are affected by the water shortage. The constant supply of water in the entire area has been affected. Water quality is compromised due to illegal connections.	1) Carting water to the affected areas R15 Million 2) Drill boreholes and develop water catchment areas R5 Million	R 20,000,000.00

# EASTERN CAPE DROUGHT IMPACT ASSESSMENT REPORT: AUGUST 2009

DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	DROUGHT IMPACT	OTHER	QUANTIFIED COSTS IN RANDS
UKHAHLAMBA		6 Clinics are operating with water shortage	Cart water to the clinics	R 294,000.00
		Umlamli hospital is operating with water shortage	Cart water to the hospital	R 2,205,000.00
		616 farmers and 42174 Livestock Units affected	Provide assistance to the farmers	R 11,405,072.00
		Anticipated yields destroyed 300 broilers died, 8 hectors of crops destroyed and 700 m of fencing damaged in five Social development projects.	Revatillize the projects	R 410,000.00
	Sub total			R 34,314,072.00
	Grand Total			R 84,208,219.00