

“ASIAN TSUNAMI DISASTER“ON 26 DEC 2004

Emergency Relief Work in Sri Lanka

Kumagai Gumi Co., Ltd.

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1, Introduction

- 1.1 This Report summarizes the work carried out and resources utilized by Kumagai Gumi in clearing and repairing of route A2 road, after the Tsunami on the 26th December 2004, which affected 2/3 of the coastline of Sri Lanka and caused nearly 40,000 deaths.
- 1.2 Kumagai Gumi has undertaken the construction of approx 66 km section (from Kurudugahahetekma to Matatra) of the Southern Transport Development Project in Sri Lanka. Kumagai Gumi is fully mobilised at the Site and the work is in progress.
- 1.3 Relief work commenced on the 27th December 04, immediately upon the receipt of request for assistance from RDA ⁽¹⁾. All the clearing and repair works in a road section of 100 km from Bentota to Matatra were completed by the 04th Jan 05.
- 1.4 The clearing road served the most important need at that time; the passage for transport of relief supplies to the devastated area in the south.

2, Work Carried Out

2.1 General

2.1.1 The work was carried out using Kumagai Gumi's heavy equipment, personnel comprising management and operators, communication equipment and consumables mobilized from various locations in the Southern Transport Development Project site.

2.1.2 The work was carried out in accordance with a coordinated plan agreed with RDA ⁽¹⁾ and the other institutions such as the local authorities, police etc.

2.1.3 In summary, the relief work provided comprised of;

a. Road Clearance

Clearance of debris, damaged vehicles, fallen utilities etc. from the road.

b. Repair of Damaged Road

Repair of sections of the road by backfilling with rock materials and leveling with crushed sub base materials transported from the Project Site.

2.1.4 Details of the work carried out on each day are set out in 2.2 a) below.

2.1.5 Daily records of resources allocated to and utilized in the work are set out in 2.2 b) below.



Removal of damaged car from Galle Bus Terminal



Clearing debris on Galle Road around km 120

2.2 Daily Event & Resources

a) Event

27 Dec,2004 Commence clear Galle Bus Terminal.

28 Dec,2004 Clear one lane from kilo marker 106 to kilo marker 120
Clear Buses, tanker lorry, vehicles and debris.
Clear both lanes from Hikkaduwa to Ambalangoda

29 Dec,2004 Clear Buses, tank lorry, vehicles and debris.
Complete clearance both lanes up to Matara.
Clear road near from kilo marker 68 to Ambalangoda

30 Dec,2004 Repair road washed out near kilo marker 100, and 96,

31 Dec,2004 Repair road washed out near kilo marker 96 to 97

1 Jan,2005 No activity

2 Jan,2005 Construct approaches to temporary bridge,,119km
Transport soil to area of damaged road, 120 km.

3 Jan,2005 Construct approaches to temporary bridge ,119km

4 Jan,2005 Pavement to approaches to temporary bridge ,119km

b)Utilization Resources

Refer TABLE 1

TABLE 1

		Total Man/ machine days
Personnel	Expatriate (Japanese)	43
	Expatriate	9
	Local	253
	Total	346
Machinery	Wheel Loader	31
	Grader	13
	Vibration Roller	2
	Dump Truck	59
	Backhoe	1
	Crane (25t)	3
	Boom Truck	8
	Water Browser Vehicle	1 82
	Total	202

3,Conclusion

Road Route A2 was impassable for traffic from Benthota Southwards after Tsunami attack on 26th of December 2004. This road was the most important lifeline for relief supplies such as temporary shelter, food, drinking water, medicine etc to be brought from Colombo to the devastated area in the South. Therefore to open up of this road for traffic was of utmost importance at the time. Sri Lanka Government requested Kumagai Gumi Co. to help in this grave situation and. Kumagai Gumi Co responded by taking prompt action to mobilise all necessary resources within a very short time. Clearing of 100.0km section of this road commenced on 27th of December 2004 and completed on 4th of January 2005.

The successful completion of this work within a period of nine (09) days without any accidents or any physical damages, can be attributed for the following reasons.

- 3.1,A lot of special equipments, that have been brought from Japan for construction of Southern Transport Development Project. were utilized for the relief work..
- 3.2,Highly experienced expatriate and local staff, and operators were employed by Kumagai Gumi..
- 3.3,Emergency communication System which has been established by Kumagai Gumi functioned properly. This system was of great assistance for all the Kumagai Gumi staff at the site as well as in the Colombo office and Tokyo office to communicate.

Due to the short supply of fuel, food items and medicine to South Section during these days, not only the tsunami affected people but the day-to-day life of the public community in the area along with the transportation had also paralyzed. Our effort to clear way for the traffic in this quick manner was helpful to all the people in the southern part of Sri Lanka to get back to the normal life .

This Relief Work has been carried out in Volunteer spirit. In recognition of this service, Kumagai Gumi Co was presented with an appreciation letter by the Hon. Prime Minister of Sri Lanka Government

1) RDA : Road Development Authority of Sri Lanka