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ACEH ROAD BETTERMENT PROJECT  
MONTHLY PROGRESS REPORT

FOR



DIRECTORATE GENERAL OF BINA MARGA

**August 1981**

Prepared and Presented By



Pacific Architects and Engineers, Incorporated  
Resources Management International Incorporated



Resources Management International, Incorporated.

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AUGUST 1981

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Resources Management International, Incorporated.

## MONTHLY PROGRESS REPORT

AUGUST 1981

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### Introduction

During August routine maintenance programs were carried out for all equipment. Some pieces of equipment were repaired as spare-parts became available. The major project undertaken during the month was the repair and reassembly of the stone crusher that had previously been located at Kota Cane.

### Monthly Report

Early in August the rock crusher that had previously been at Kota Cane was received. The machinery was partially dismantled and was found to be in very poor condition. Mr. Abeskharoun directed mechanics and their assistants in its repair and reassembly. New conveyor belts and bearings were installed where necessary. New fuses were installed and all drive belts and electrical motors were tested. It was found to be necessary to rebuild the secondary crusher rollers. The crusher was repaired and was operating efficiently at the end of the month.

Other repairs undertaken during the month included:

- Repairs to the 200 KW Detroit diesel powered generator set at Nanjombal, the governer was not functioning properly, and it required a complete tune-up. The repairs were completed and the gen set was operational by the end of August.
- Overhaul of Komatsu grader brake system.
- Rear axle rebuilding for Hino dump truck; mechanics were instructed how to check all components and to ascertain what could be repaired and what was necessary to replace.
- Repair of a Komatsu bulldozer power steering system.
- Caterpillar loader with brake malfunction; the whole system was checked with new seals being installed.
- Mr. Abeskharon directed mechanics in the rebuild of the undercarriages of two Komatsu bulldozers.
- The repair and rebuild of a Retter engine used to power a cement mixer.

In addition to these repairs, as in previous months, routine checking and servicing at all equipment received top priotity in order to maintain equipment availability rates at an

acceptable level.

The repairs of several pieces of equipment continued to be delayed by the inavailability of spare-parts; these including two Dynapac compactors and an Ingersoll Rand vibrator.

Mr. Abeskaroun recommended that in order to overcome the problems caused by a shortage of personnel and the continual rotation of available staff, that a mechanic foreman be assigned to each sector of the project with responsibility for the care and repair of all equipment in that sector. It was suggested that this mechanic foreman should head up a team of mechanics and helpers permanently assigned to him.

Another continuing problem noted by Mr. Abeskaroun was that caused by cannibalization of parts from inoperational machinery. While this is expedient to ensure machinery remains operational, it creates substantial problems when repair work is subsequently started on the equipment. This has on some occasions caused problems with equipment requiring only minor repairs as then eventual repair is often greatly delayed.

In order to improve recording procedures, it was decided to introduce new forms, that would record the condition of each piece of equipment on the project on a monthly basis. This

would include all relevant details of make, model, engine type, etc., and would list the overall condition of the equipment as well as repairs to be made and those /already completed. It is planned to introduce this new recording system over the next two months, which, as time permits, allow all machinery to be listed. If this proves to be successful, it will be combined with a monthly equipment availability calendar.

During the month regular discussions were held with Nindya Karya personnel for planning on-going maintenance programs. Mr. Abeskaroun was assured by Nindya Karya staff that as many as possible of his suggestions for improvement of maintenance and repair operations would be implemented at the new base camp to be built at Golombang. This would incorporate improved workshop facilities and a team of permanently assigned mechanics.

Mr. Abeskaroun also received a request to visit a number of Bina Marga equipment storage depots, to select any inoperative equipment that could be easily salvaged and repaired for use on the Aceh Road Betterment Project.

#### Conclusion

During the month several major repairs were undertaken as well



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as ongoing servicing and repair of all project machinery.

It is hoped that the new forms to be introduced will allow a more accurate picture to be kept of overall equipment condition, spare-parts requirements and the overall planning of repair schedules. It is also hoped that this recording system will help isolate expensive, inefficient pieces of equipment more easily. In August there was a decrease in the equipment availability rates caused mainly by a backlog of equipment awaiting the arrival of spare-parts.

## EQUIPMENT AVAILABILITY 1981

	WEEK ENDING	MONTHLY AVERAGE				
		AUGUST 7	AUGUST 17	AUGUST 21	AUGUST 28	AUGUST
HEAVY EQUIPMENT		74.19 %	74.19 %	70.96 %	72.04 %	72.84 %
TRUCKS		68.35 %	65.82 %	62.02 %	67.08 %	65.81 %
OVERALL AVERAGE AVAILABILITY =						69.32 %

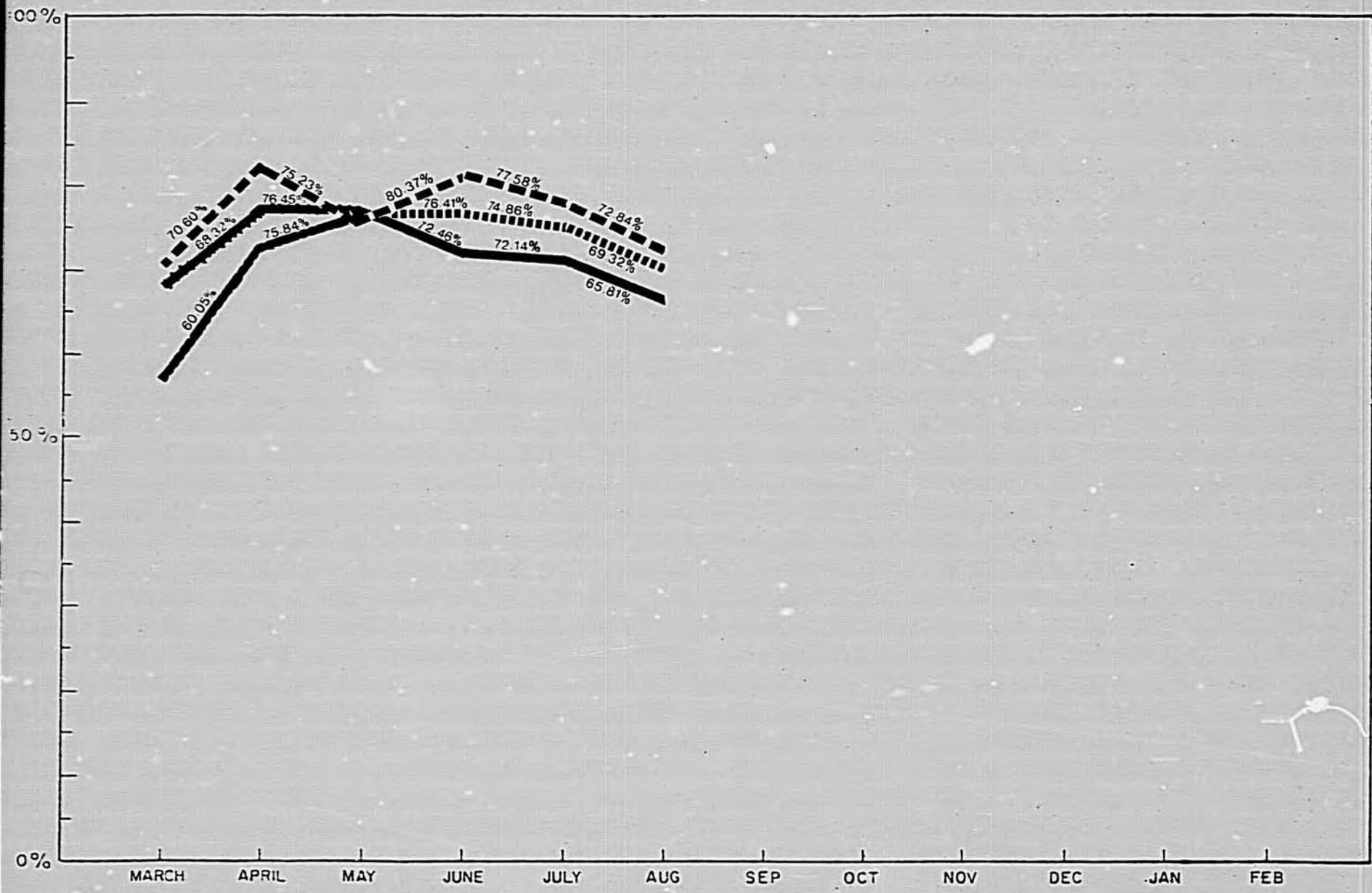


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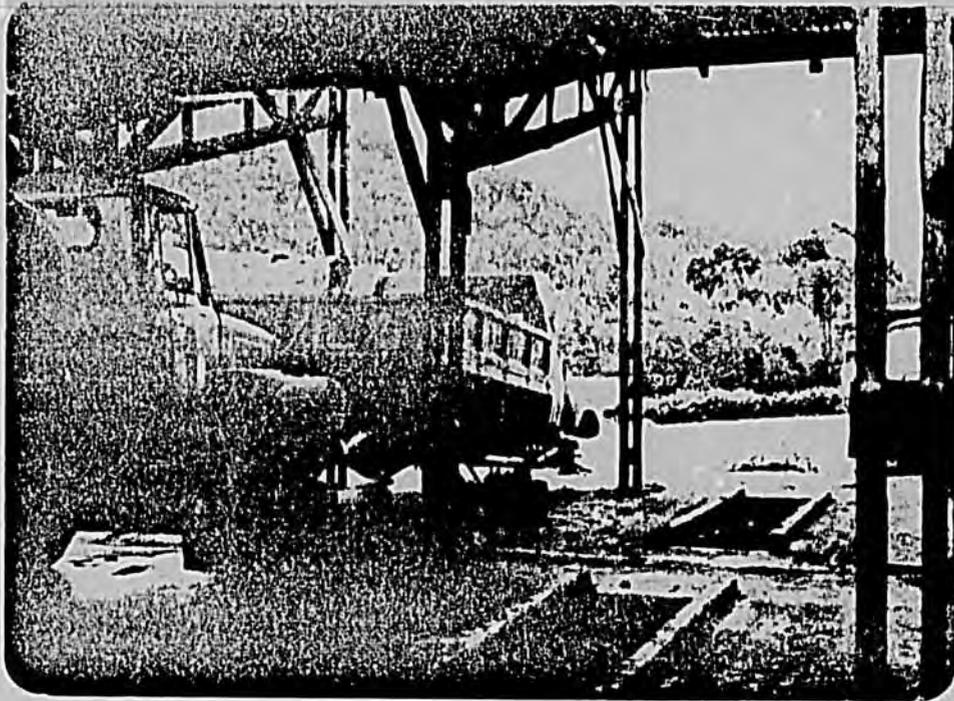
# AVERAGE MONTHLY EQUIPMENT AVAILABILITY 1981 - 1982



Resources Management International, Inc.  
Aceh Road Betterment Project



HEAVY EQUIPMENT    **-----**  
 TRUCKS                **————**  
 OVERALL AVERAGE   **.....**



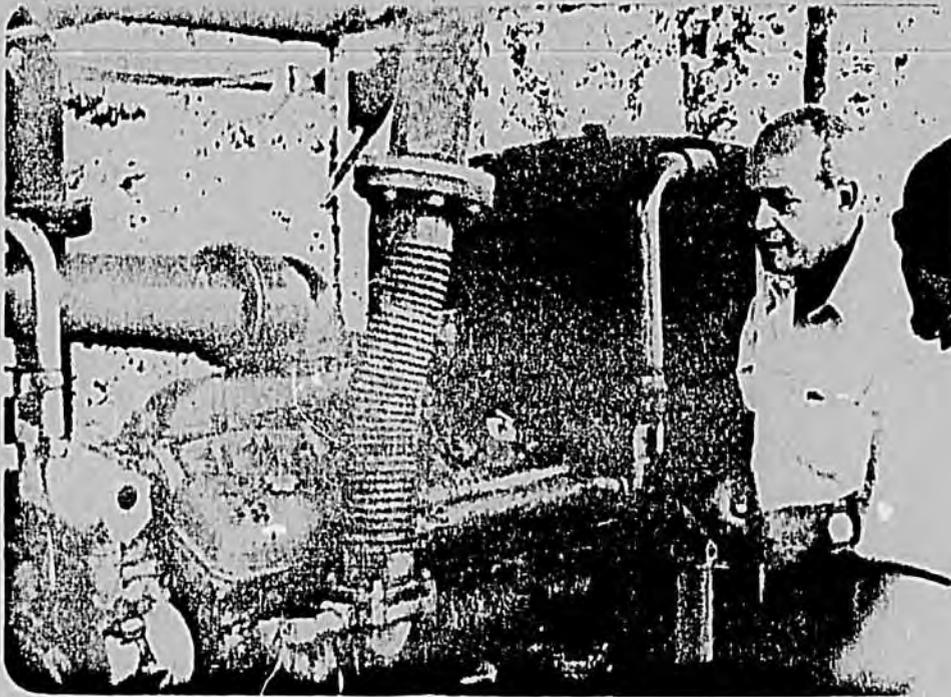
NANJOMBAL WORKSHOP TRUCK AWAITING BRAKE REPAIRS



TRUCKS AT NANJOMBAL AWAITING ROUTINE SERVICING

**RAM**

Resources Management International, Incorporated.



MR. ABESKHAROUN INSPECTING REPAIRS MADE TO THE  
DETROIT DIESEL POWERED GEN. SET



STONE WASHER AND SEPARATOR IN OPERATION



# EQUIPMENT LIST

WEEKLY REPORT: Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

D A T E : August 7, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
1.	Bulldozer CAT D7G	D 1	Quarry	XXX	-	-	
2.	Bulldozer Komatsu D6UE	D 2	Road II	-	-	XXX	Main Clutch
3.	Bulldozer Komatsu D60E	D 3	Road II	XXX	-	-	
4.	Bulldozer Komatsu D60B	D 4	Road II	XXX	-	-	
5.	Bulldozer Case 1150B	D 5	Road I	XXX	-	-	
6.	Bulldozer Cat D5 LGP	D 6	Road I	-	-	-	Electrical System
7.	Bulldozer Cat D7G	D 7	Road II	-	-	XXX	Control Valve
8.	Bulldozer Cat D7F	D 8	Road II	XXX	-	-	
9.	Bulldozer D7G	D 9	Road I	-	-	XXX	
10.	Bulldozer D53A	D 10	Road II	XXX	-	-	
11.	Bulldozer D53A	D 11	Road II	XXX	-	-	
12.	Bulldozer D53A	D 12	Road I	-	XXX	-	
13.	Bulldozer D53A	D 13	Road II	XXX	-	-	
14.	Bulldozer D5LGP	D 14	Road I	-	XXX	-	
15.	Motor Grader Cat 120 G	MG 1	Road II	-	-	XXX	Engine
16.	Motor Grader Komatsu	MG 2	Road II	XXX	-	-	
17.	Motor Grader Komatsu	MG 3	Road II	-	XXX	-	
18.	Motor Grader Komatsu	MG 4	Road I	-	XXX	-	
19.	Motor Grader Fiat Allis	MG 5	Shop Sdk	-	XXX	-	No power
20.	Motor Grader Cat 920	MG 6	Road II	XXX	-	-	
21.	Motor Grader Cat 920	MG 7	Road I	-	XXX	-	
22.	Wheel Loader Cat 920	WL 1	Road I	-	XXX	-	
23.	Wheel Loader Cat 920	WL 2	Road I	-	-	XXX	Transmission
24.	Wheel Loader W 70	WL 3	Road II	-	-	XXX	Brake
25.	Wheel Loader W 70	WL 4	W. Plant	XXX	-	-	
26.	Wheel Loader	WL 5	Material	-	XXX	-	
27.	Wheel Loader	WL 6	Road II	-	XXX	-	
28.	Wheel Loader	WL 7	Material	XXX	-	-	
29.	Wheel Loader	WL 8	Shop Sdk	-	XXX	-	No power
30.	Wheel Loader	WL 9	Shop Sdk	-	-	XXX	Engine



## EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

DATE : August 7, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
31.	Wheel Loader	WL 10	Shop Jkt	-	-	XXX	Engine
32.	Track Loader Komatsu	TL 1	Quarry	-	-	XXX	Under Carriage
33.	Track Loader Cat	TL 2	Road I	-	-	XXX	Hyd. System
34.	Excavator Drott	Ex 1	Road I	-	-	XXX	Boom
35.	Excavator Nikko	Ex 2	Road I	-	-	XXX	Under Carriage
36.	Exc Backhoe Loader	Ex 3	Road II	-	XXX	-	
37.	Vibro Compactor SP54	VR 1	Road II	-	-	XXX	Profeller Shaft
38.	Vibro Compactor SP54	VR 2	Road I	-	XXX	-	
39.	P Tire Roller	VR 3	Gelombang	-	XXX	-	
40.	P Tire Roller C 25	RP 1	Road I	-	XXX	-	
41.	P Tire Roller C 25	RP 2	Road I	-	XXX	-	
42.	P Tire Roller C 25	RP 3	Road I	-	XXX	-	
43.	Tandem Roller	RP 4					
44.	3 Wheel Roller 3W10	RP 5	Road I	-	-	XXX	Starting Motor
45.	3 Wheel Roller 3W10	RP 6					
46.	3 Wheel Roller MG 6 H	RP 7					
47.	3 Wheel Roller MG 6 H	RP 8					
48.	Compactor Wacker W 75	VR 7	Road I	-	XXX	-	
49.	Compactor Wacker /5	VR 10					
50.	Compactor Dynapac CA15D	VR 4					
51.	Compactor Dynapac CA15D	VR 5	Road II	-	-	XXX	Starting Motor
52.	lowed Smott Drum	VR 6					
53.	Lippman Stone Crusher	SC.1.	Material	XXX	-	-	
54.	Sakai Stone Crusher						
55.	Stone Dryer	Sc.3.	Shop Sdk	-	XXX	-	
56.	Air Compressor IR600	AC 1	Road I	-	-	XXX	Radiator
57.	Airman Air Compressor	AC 2	Shop Jombal	-	-	XXX	Engine
58.	Air Compressor FW.Sheng	AC 3	Shop C anak	XXX	-	-	
59.	Air Compres FW.Sheng	AC 4	Shop Jombal	XXX	-	-	
60.	Chip Spreader LT	CS1	Road I	-	XXX	-	



# EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

D A T E : August 7, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
61.	Chip Spreader ET	CS 2	Road I	-	-	XXX	Starting Motor Pump Burner
62.	Asphalt Distributor	01	Road I	-	-	XXX	
63.	Asphalt Distributor	02	Road I	-	XXX	-	
64.	Asphalt Asphalt Sprayer		Road I	-	XXX	-	
65.	Sweeper Broom	SB 1					
66.	Sweeper Broom	SB 2					
67.	Soil Mixer		Shop Sdk	-	XXX	-	
68.	Soil Mixer		Shop Sdk	-	XXX	-	
69.	Carry Deck Crane						
70.	Tadano TE 10 ton Crane						
71.	Tadano TE, TM 30 Crane						
72.	Izusu Crane						
73.	Concrete Mixer 165 PCE	CM 1					
74.	Concrete Mixer 165 PCE	CM 2					
75.	Concrete Mixer 400 14R	CM 3					
76.	Concrete Mixer PJ2	CM 4					
77.	Concrete Mixer PJ2	CM 5					
78.	Concrete Mixer GL 350	CM 6					
79.	Concrete Mixer GL 350	CM 7					
80.	Motor Grader	Mg 8	Road II	-	XXX	-	
81.	Wheel loader	WL 11	Road II	XXX	-	-	
82.	Wheel loader	WL 12	Road II	XXX	-	-	
83.	Exc. John Deere	EX 4	Road I	XXX	-	-	
84.	Tandem Roller	R.3	Road I	-	XXX	-	
85.	Three Wheel Roller	R.1	Road I	-	XXX	-	
86.	Three Wheel Roller	R.2	Road II	-	XXX	-	
87.	Three Wheel Roller	R.4	Road I	-	XXX	-	
88.	Compactor Wacker 75	VR.7	Road I	-	XXX	-	
89.	Compactor Wacker 75	VR.8	Bridge	-	XXX	-	
90.	Compactor Dynapac CA15D	VR 6	Road I	-	-	XXX	Starting Motor





# EQUIPMENT LIST

WEEKLY REPORT :: Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

DATE : August 14, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
1.	Bulldozer CAI D7G	D 1	Quarry	XXX	-	-	
2.	Bulldozer Komatsu D6UE	D 2	Road I	XXX	-	-	
3.	Bulldozer Komatsu D60E	D 3	Road II	-	-	XXX	Under Carriage
4.	Bulldozer Komatsu D60B	D 4	Road II	XXX	-	-	
5.	Bulldozer Case 1150B	D 5	Road I	-	XXX	-	
6.	Bulldozer Cat D5 LGP	D 6					
7.	Bulldozer Cat D7G	D 7	Road I	-	-	-	
8.	Bulldozer Cat D7F	D 8	Road II	XXX	-	-	Cyl. lift engine
9.	Bulldozer D7G	D 9					
10.	Bulldozer D53A	D 10	Road II	XXX	-	-	
11.	Bulldozer D53A	D 11	Road II	XXX	-	-	
12.	Bulldozer D53A	D 12	Road I	-	XXX	-	
13.	Bulldozer D53A	D 13	Road II	-	-	XXX	Under Carriage
14.	Bulldozer D5LGP	D 14	Road I	XXX	-	-	
15.	Motor Grader Cat 120G	MG 1	Road II	-	-	XXX	
16.	Motor Grader Komatsu	MG 2	Road II	-	-	XXX	Cyl. Head Gasket Brake
17.	Motor Grader Komatsu	MG 3	Road II	XXX	-	-	
18.	Motor Grader Komatsu	MG 4	Road I	XXX	-	-	
19.	Motor Grader Fiat Allis	MG 5					
20.	Motor Grader Cat 920	MG 6					
21.	Motor Grader Cat 920	MG 7					
22.	Wheel Loader Cat 920	WL 1	Road I	XXX	-	-	
23.	Wheel Loader Cat 920	WL 2	Shop Jbl.	-	-	XXX	Transmission
24.	Wheel Loader W 70	WL 3					
25.	Wheel Loader W 70	WL 4					
26.	Wheel Loader W 70 Komt	WL 5	Road I	XXX	-	-	
27.	Wheel Loader W 70 Komt	WL 6	Road II	XXX	-	-	
28.	Wheel Loader W 70 Komt	WL 7	Material	XXX	-	-	
29.	Wheel Loader MF	WL 8	Shop Sdk	-	XXX	-	No power
30.	Wheel Loader YCD 125	WL 9	Shop Sdk	-	-	XXX	Engine



# EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

DATE : August 14, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
31.	Wheel Loader TCD 125	WL 10	Shop Sdk	-	-	XXX	Engine
32.	Track Loader Komatsu	TL 1	Quarry	-	-	XXX	Under Carriage
33.	Track Loader Cat	TL 2	Road II	-	-	XXX	Hyd. System
34.	Excavator Drott	Ex 1	Shop Jbl	-	-	XXX	Boom
35.	Excavator Nikko	Ex 2	Shop Jbl	-	-	XXX	Under Carriage
36.	Exc Backhoe Loader	Ex 3	Road II	XXX	-	-	
37.	Vibro Compactor SP54	VR 1	Road II	-	-	XXX	Präfeller Shaft
38.	Vibro Compactor SP54	VR 2	Road I	-	XXX	-	
39.	P Tire Roller	VR 3					
40.	P Tire Roller C 25	RP 1	Road I	-	XXX	-	
41.	P Tire Roller C 25	RP 2	Road I	-	XXX	-	
42.	P Tire Roller C 25	RP 3	Road I	-	XXX	-	
43.	Tandem Roller	RP 4					
44.	3 Wheel Roller 3W10	RP 5					
45.	3 Wheel Roller 3W10	RP 6					
46.	3 Wheel Roller MG 6 H	RP 7					
47.	3 Wheel Roller MG 6 H	RP 8					
48.	Compactor Wacker W 75	VR 7	Road I	-	XXX	-	
49.	Compactor Wacker /5	VR 10					
50.	Compactor Dynapac CA15D	VR 4					
51.	Compactor Dynapac CA15D	VR 5	Road II	-	-	D	Starting Motor
52.	lowed Smott Drum	VR 6					
53.	Lippman Stone Crusher	SC 1	N. Jombal	XXX	-	-	
54.	Sakai Stone Crusher						
55.	Stone Dryer	SC 3	Shop Sdk	-	XXX	-	
56.	Air Compressor 1R600	AC 1	Road I	-	-	XXX	Radiator
57.	Airman Air Compressor	AC 2	Shop Jombal	-	-	XXX	Engine
58.	Air Compressor Fu Sheng	AC 3	T.Shop C. anak	XXX	-	-	
59.	Air Compres Fu Sheng	AC 4	T.Shop Jbl	XXX	-	-	
60.	Chip Spreader ET	CS 1	Road I	-	XXX	-	



# EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

D A T E : August 14, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
61.	Chip Spreader ET	CS.2	Road I	-	-	XXX	Starting Motor
62.	Asphalt Distributor	01	Road I	-	-	XXX	Pump Burner
63.	Asphalt Distributor	02	Road I	-	XXX	-	
64.	Asphalt Asphalt Sprayer		Road I	-	XXX	-	
65.	Sweeper Broom	SB 1					
66.	Sweeper Broom	SB 2					
67.	Soil Mixer	01	Shop Sdk	-	XXX	-	
68.	Soil Mixer	02	Shop Sdk	-	XXX	-	
69.	Carry Deck Crane		Shop Sdk	-	-	XXX	Boom
70.	Tadano TE 10 ton Crane		Bridge	XXX	-	-	
71.	Tadano TE, TM 30 Crane		N.Jombal	XXX	-	-	
72.	Izusu Crane		N.Jombal	-	XXX	-	No power
73.	Concrete Mixer 165 PCE	CM 1	Bridge	XXX	-	-	
74.	Concrete Mixer 165 PCE	CM 2	Bridge	XXX	-	-	
75.	Concrete Mixer 400 14R	CM 3	Bridge	-	XXX	-	
76.	Concrete Mixer PJ2	CM 4	Bridge	XXX	-	-	
77.	Concrete Mixer PJ2	CM 5	Bridge	-	-	XXX	Engine
78.	Concrete Mixer GL 350	CM 6	Bridge	-	XXX	-	
79.	Concrete Mixer GL 350	CM 7	Bridge	-	XXX	-	
80.	Buldozer Cat D7G	D.6	Road II	-	-	XXX	Control Valve
81.	Buldozer D5LGP	D.9	Road I	-	-	XXX	Electrical System
82.	Motor Grader F.Allis	MG.6	Shop Sdk	-	XXX	-	No Power
83.	Motor Grader GD500RI	MG.5	Road II	-	-	XXX	
84.	Motor Grader GD.31.RC	MG.7	Road I	XXX	-	-	
85.	Motor Grader GD.37	MG.8	Road II	XXX	-	-	
86.	Wheel Loader 920 Cat	WL.3	Road II	-	-	XX	Brake
87.	Wheel Loader 920 Cat	WL.4	W.Plant	XXX	-	-	
88.	Wheel Loader JD 644 B	WL.11	Road II	XXX	-	-	
89.	Wheel Loader JD 644 B	WL.12	Road II	XXX	-	-	
90.	Excav. John Deere	Ex.4	Road I	XXX	-	-	



## EQUIPMENT LIST

WEEKLY REPORT :: Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

D A T E : August 21, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
1.	Bulldozer CAT D7G	D 1	Quarry	XXX	-	-	
2.	Bulldozer Komatsu D60E	D 2	Road I	-	-	XXX	Water pump
3.	Bulldozer Komatsu D60E	D 3	Road II	-	-	XXX	Under Carriage
4.	Bulldozer Komatsu D60B	D 4	Road II	XXX	-	-	
5.	Bulldozer Case 1150B	D 5	Road I	-	-	XXX	Radiator
6.	Bulldozer Cat D5 LGP	D 6					
7.	Bulldozer Cat D7G	D 7	Road II	-	-	XXX	Cyl. lift
8.	Bulldozer Cat D7F	D 8	Road II	XXX	-	-	
9.	Bulldozer D7G	D 9					
10.	Bulldozer D53A	D 10	Road II	XXX	-	-	
11.	Bulldozer D53A	D 11	Road II	XXX	-	-	
12.	Bulldozer D53A	D 12	Road I	XXX	-	-	
13.	Bulldozer	D 13	Road II	-	-	XXX	Track Shoe
14.	Bulldozer D5LGP	D 14	Road I	XXX	-	-	
15.	Motor Grader Cat 120	MG 1	Road II	-	-	XXX	Engine.Cyl.Head gask.
16.	Motor Grader Komatsu	MG 2	Road II	-	-	XXX	Brake
17.	Motor Grader Komatsu	MG 3	Road II	XXX	-	-	
18.	Motor Grader Komatsu	MG 4	Road I	XXX	-	-	
19.	Motor Grader Fiat Allis	MG 5					
20.	Motor Grader Cat 920	MG 6					
21.	Motor Grader Cat 920	MG 7	Road I	XXX	-	-	
22.	Wheel Loader Cat 920	WL 1	Road I	-	XXX	-	
23.	Wheel Loader Cat 920	WL 2	Road I	-	-	XXX	Transmission
24.	Wheel Loader W 70	WL 3					
25.	Wheel Loader W 70	WL 4					
26.	Wheel Loader W70 Komt.	WL 5	Road I	XXX	-	-	
27.	Wheel Loader W70 Komt	WL 6	Road II	XXX	-	-	
28.	Wheel Loader W 70	WL 7	Road I	XXX	-	-	
29.	Wheel Loader MF	WL 8	Shop Sdk	-	XXX	-	No power
30.	Wheel Loader TCD 25	WL 9	Shop Sdk	-	-	XXX	Engine



# EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

DATE : August 14, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
31.	Wheel Loader TCD 25	WL 10	Shop Jbl	-	-	XXX	Engine
32.	Track Loader Komatsu	TL 1	Quarry	-	-	XXX	Under Carriage
33.	Track Loader Cat	TL 2	Road II	-	-	XXX	Hyd. Cylinder
34.	Excavator Drott,	Ex 1	Shop Jbl	-	-	XXX	Cyl. Craw
35.	Excavator Nikko	Ex 2	Shop Jbl.	-	-	XXX	Under Carriage
36.	Exc Backhoe Loader	Ex 3	Road I	XXX	-	-	
37.	Vibro Compactor SP54	VR 1	Road II	-	-	XXX	Prafeller Shaft
38.	Vibro Compactor SP54	VR 2	Road I	-	XXX	-	
39.	P Tire Roller	VR 3					
40.	P Tire Roller C 25	RP 1	Road I	-	XXX	-	
41.	P Tire Roller C 25	RP 2	Road I	-	XXX	-	
42.	P Tire Roller C 25	RP 3	Road I	-	XXX	-	
43.	Tandem Roller	RP 4					
44.	3 Wheel Roller 3W10	RP 5					
45.	3 Wheel Roller 3W10	RP 6					
46.	3 Wheel Roller MG 6 H	RP 7					
47.	3 Wheel Roller MG 6 H	RP 8					
48.	Compactor Wacker W 75	VR 7	Road I	-	XXX	-	
49.	Compactor Wacker /5	VR 10	Bridge	-	XXX	-	
50.	Compactor Dynapac CA15D	VR 4					
51.	Compactor Dynapac CA15D	VR 5	Road II	-	-	XXX	Starting Motor
52.	lowed Smott Drum	VR 6					
53.	Lippman Stone Crusher	SC 1	N. Jombal	XXX	-	-	
54.	Sakai Stone Mahayama	SC 2	N. Jombal	XXX	-	-	
55.	Stone Dryer	SC 3	Shop Sdk	-	XXX	-	
56.	Air Compressor IR600	AC 1	Road I	-	-	XXX	Radiator
57.	Airman Air Compressor	AC 2	Shop Jbl.	-	-	XXX	Engine
58.	Air Compressor FU Sheng	AC 3	T.Shop C anak	XXX	-	-	
59.	Air Compres Fu Sheng	AC 4	T.Shop Jbl	XXX	-	-	
60.	Chip Spreader ET						

## EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

D A T E : August 21, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
61.	Chip Spreader ET	CS 1	Road 1	XXX	-	-	
62.	Asphalt Distributor	01	Road I	-	-	XXX	Pump Burner
63.	Asphalt Distributor	02	Road I	XXX	-	-	
64.	Asphalt Asphalt Sprayer		Road I	XXX	-	-	
65.	Sweepe Broom	SB 1					
66.	Sweeper Broom	SB 2					
67.	Soil Mixer	01	Shop Sdk	-	XXX	-	
68.	Soil Mixer	02	Shop Sdk	-	XXX	-	
69.	Carry Deck Crane		Shop Sdk	-	-	XXX	Oil seal,boom
70.	Tadano TE 10 ton Crane		Bridge	XXX	-	-	
71.	Tadano TE, TM 30 Crane		N.Jombal	XXX	-	-	
72.	Izusu Crane		N.Jombal	-	XXX	-	No power
73.	Concrete Mixer 165 PCE	CM 1	Bridge	-	XXX	-	
74.	Concrete Mixer 165 PCE	CM 2	Bridge	XXX	-	-	
75.	Concrete Mixer 400 14R	CM 3	Bridge	-	XXX	-	
76.	Concrete Mixer PJ2	CM 4	Bridge	-	XXX	-	
77.	Concrete Mixer PJ2	CM 5	Bridge	-	-	XXX	Engine
78.	Concrete Mixer GL 350	CM 6	Bridge	-	XXX	-	
79.	Concrete Mixer GL 350	CM 7	Bridge	XXX	-	-	
80.	Buldozer Cat D7G	D.6	Road II	-	-	XXX	Blade
81.	Buldozer D5LGP	D.9	Road I	-	-	XXX	Electrical System
81.	Motor Grader F.Allis	MG.6	Shop Sdk	-	XXX	-	No power
82.	Motor Grader GD 500	MG. 5	Road II	XXX	-	-	
83.	Motor Grader GD 37	MG.8	Road II	XXX	-	-	
84.	Wheel Loader JD 644.B	WL 11	Road II	XXX	-	-	
85.	Wheel Loader JD 644.B	WL 12	Road II	XXX	-	-	
86.	Exc. John Deere	Ex.4	Road I.	XXX	-	-	
87.	Wheel Tractor 1H	ST.1	Road I	-	XXX	-	
88.	Wheel Tractor 1H	T.2.	Road I	-	-	XXX	Water Pump
89.	Vibro Compactor SP54	VR.3	Gelombang	XXX	-	-	





# EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

DATE : August 28, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP.	IDLE	DOWN	
1.	Bulldozer CAT D7G	D 1	Quarry	XXX	-	-	
2.	Bulldozer Komatsu D60E	D 2	Road II	XXX	-	-	
3.	Bulldozer Komatsu D60E	D 3	Road II	XXX	-	-	
4.	Bulldozer Komatsu D60B	D 4	Road II	-	-	XXX	Roller Support
5.	Bulldozer Case 1150B	D 5	Road I	XXX	-	-	
6.	Bulldozer Cat D5 LGP	D 6					
7.	Bulldozer Cat D7G	D 7	Road I	-	-	XXX	Cylinder lift
8.	Bulldozer Cat D7F	D 8	Road II	XXX	-	-	
9.	Bulldozer D7G	D 9					
10.	Bulldozer D53A	D 10	Road II	XXX	-	-	
11.	Bulldozer D53A	D 11	Road II	XXX	-	-	
12.	Bulldozer D53A	D 12	Road I	XXX	-	-	
13.	Bulldozer D53A	D 13	Road II	XXX	-	-	
14.	Bulldozer D5LGP	D 14	Road I	XXX	-	-	
15.	Motor Grader Cat 120G	MG 1	Road II	XXX	-	-	
16.	Motor Grader Komatsu	MG 2	Road II	-	-	XXX	Brake
17.	Motor Grader Komatsu	MG 3	Road II	XXX	-	-	
18.	Motor Grader Komatsu	MG 4	Road I	XXX	-	-	
19.	Motor Grader Fiat Allis	MG 5					
20.	Motor Grader Cat 920	MG 6					
21.	Motor Grader Cat 920	MG 7					
22.	Wheel Loader Cat 920	WL 1	Road I	XXX	-	-	
23.	Wheel Loader Cat 920	WL 2	Shop Jbl	-	-	XXX	Transmission
24.	Wheel Loader W 70	WL 3					
25.	Wheel Loader W 70	WL 4					
26.	Wheel Loader W70 Komt	WL 5	S.Crusher	XXX	-	-	
27.	Wheel Loader W70 Komt	WL 6	Road II	XXX	-	-	
28.	Wheel Loader W70 Komt	WL 7	Road I	XXX	-	-	
29.	Wheel Loader MF	WL 8	Shop Sdk	-	XXX	-	No power
30.	Wheel Loader TCD	WL 9	Shop Sdk	-	-	XXX	Engine



# EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

D A T E : August 28, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
31.	Wheel Loader TCD	WL 10	Shop Sdk	-	-	XXX	Engine
32.	Track Loader Komatsu	TL 1					
33.	Track Loader Cat	TL 2					
34.	Excavator Drott	Ex 1					
35.	Excavator Nikko	Ex 2					
36.	Exc Backhoe Loader	Ex 3					
37.	Vibro Compactor SP54	VR 1					
38.	Vibro Compactor SP54	VR 2					
39.	P Tire Roller	VR 3					
40.	P Tire Roller C 25	RP 1					
41.	P Tire Roller C 25	RP 2					
42.	P Tire Roller C 25	RP 3					
43.	Tandem Roller	RP 4					
44.	3 Wheel Roller 3W10	RP 5					
45.	3 Wheel Roller 3W10	RP 6					
46.	3 Wheel Roller MG 6 H	RP 7					
47.	3 Wheel Roller MG 6 H	RP 8					
48.	Compactor Wacker W 75	VR 7					
49.	Compactor Wacker /5	VR 10					
50.	Compactor Dynapac CA15D	VR 4					
51.	Compactor Dynapac CA15D	VR 5					
52.	Towed Smott Drum	VR 6					
53.	Lippman Stone Crusher						
54.	Sakai Stone Crusher						
55.	Stone Dryer						
56.	Air Compressor IR600	AC 1					
57.	Airman Air Compressor	AC 2					
58.	Air Compressor	AC 3					
59.	Air Compres	AC 4					
60.	Chip Spreader ET						



# EQUIPMENT LIST

WEEKLY REPORT : Heavy Equipment

CONTRACTOR: P.T. NINDYA KARYA

DATE : August 28, 1981

No.	DESCRIPTION	CODE NO.	LOCATION	CONDITION			REASON DOWN
				OP	IDLE	DOWN	
61.	Chip Spreader ET						
62.	Asphalt Distributor						
63.	Asphalt Distributor						
64.	Asphalt Asphalt Sprayer						
65.	Sweeper Broom	SB 1					
66.	Sweeper Broom	SB 2					
67.	Soil Mixer						
68.	Soil Mixer						
69.	Carry Deck Crane						
70.	Tadano TE 10 ton Crane						
71.	Tadano TE, TM 30 Crane						
72.	Izusu Crane						
73.	Concrete Mixer 165 PCE	CM 1					
74.	Concrete Mixer 165 PCE	CM 2					
75.	Concrete Mixer 400 14R	CM 3					
76.	Concrete Mixer PJ2	CM 4					
77.	Concrete Mixer PJ2	CM 5					
78.	Concrete Mixer GL 350	CM 6					
79.	Concrete Mixer GL 350	CM 7					
80.	Bulldozer Cat D7G	D.6	Road II	-	-	XXX	Blade
81.	Bulldozer Cat D5LGP	D.9	Road I	-	-	XXX	Electrical System
82.	Motor Grader F.Allis	MG.6	Shop Sdk	-	XXX	-	No power
83.	Motor Grader GD 500R	MG.5	Road II	-	-	XXX	
84.	Motor Grader GD 31	MG.7	Road I	XXX	-	-	
85.	Motor Grader GD 37	MG.8	Road II	XXX	-	-	
86.	Wheel Loader 920 Cat	WL.3.	Road II	-	-	XXX	
87.	Wheel Loader 920 Cat	WL.4.	W.Plant	XXX	-	-	
88.	Wheel Loader JD 644B	WL.11	Road II	XXX	-	-	
89.	Wheel Loader JD644B	WL.12	Road II	XXX	-	-	