Instantel

Event Report

Date/Time	Tran at 11:44:24 July 29, 2021
Trigger Source	Geo: 1.000 mm/s
Range	Geo: 254.0 mm/s
Record Time	3.0 sec at 1024 sps
Job Number:	1

Serial Number	BE17407 V 10.72-1.1 Minimate Blaster
Battery Level	6.1 Volts
Unit Calibration	September 23, 2020 by CIMFR Dhanbad
File Name	S407J35X.Y00
Scaled Distance	22.4 (100.0 m, 20.0 kg)

Notes

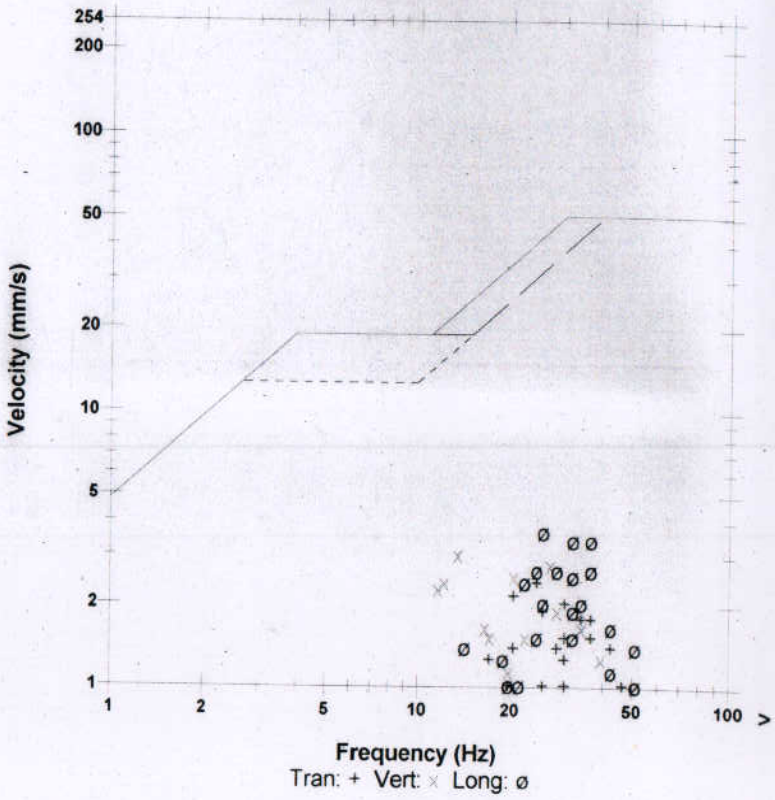
Location:	Pit-A
Client:	Kathautia Open Cast Coal Mines, HIL
User Name:	Nishikant Kumar
General:	Coal Mine

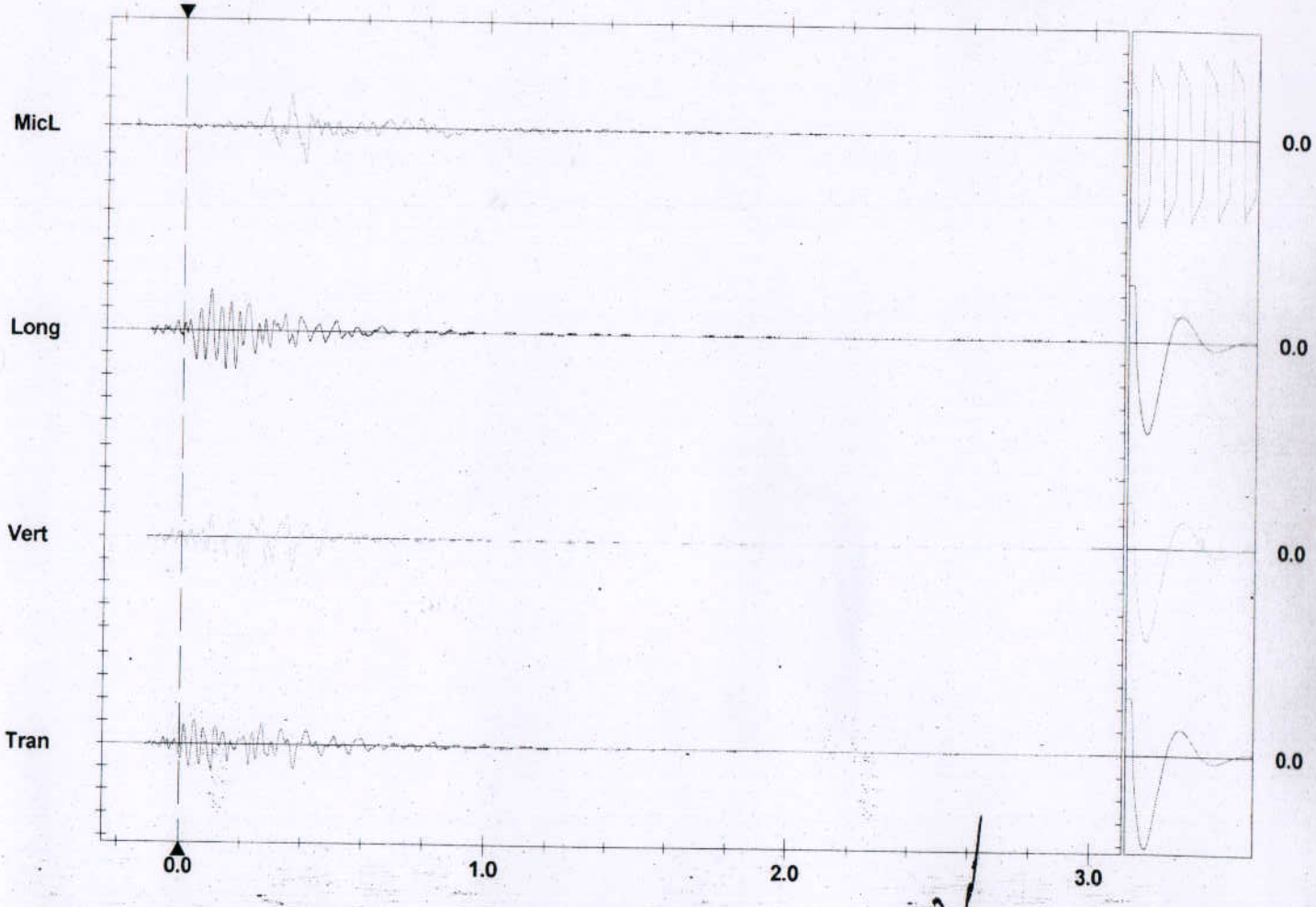
Microphone	Linear Weighting
PSPL	13.25 pa.(L) at 0.396 sec
ZC Freq	13 Hz
Channel Test	Passed (Freq = 19.7 Hz Amp = 450 mv)

	Tran	Vert	Long	
PPV	2.413	3.048	3.683	mm/s
ZC Freq	24	13	26	Hz
Time (Rel. to Trig)	0.104	0.365	0.090	sec
Peak Acceleration	0.066	0.066	0.080	g
Peak Displacement	0.016	0.027	0.023	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.7	7.5	7.8	Hz
Overswing Ratio	3.6	3.4	3.5	

Peak Vector Sum 3.789 mm/s at 0.093 sec

USBM RI8507 And OSMRE





Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div

Trigger = ▶——◀

Sensor Check

Instantel

Event Report

Date/Time	Vert at 14:55:55 June 5, 2021
Trigger Source	Geo: 1.000 mm/s
Range	Geo: 254.0 mm/s
Record Time	3.0 sec at 1024 sps
Job Number:	1

mber	BE17407 V 10.72-1.1 Minimate Blaster
Sen Level	6.2 Volts
B Calibration	September 23, 2020 by CIMFR Dhanbad
le Name	S407J0E6.T70
Scaled Distance	22.4 (100.0 m, 20.0 kg)

Notes

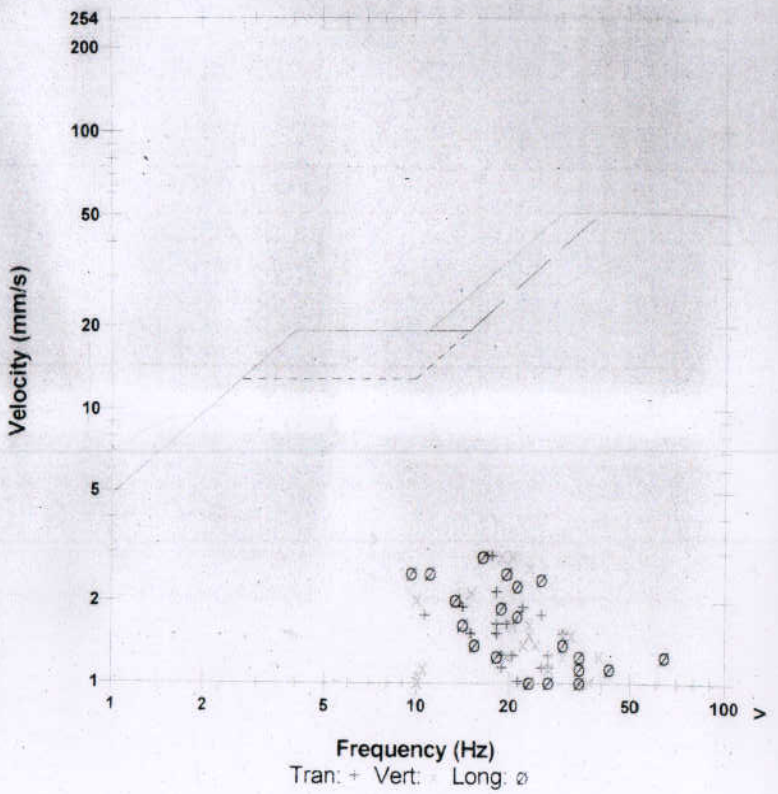
Location:	Pit-B
Client:	Kathautia Open Cast Coal Mines, HIL
User Name:	Nishikant Kumar
General:	Coal Mine

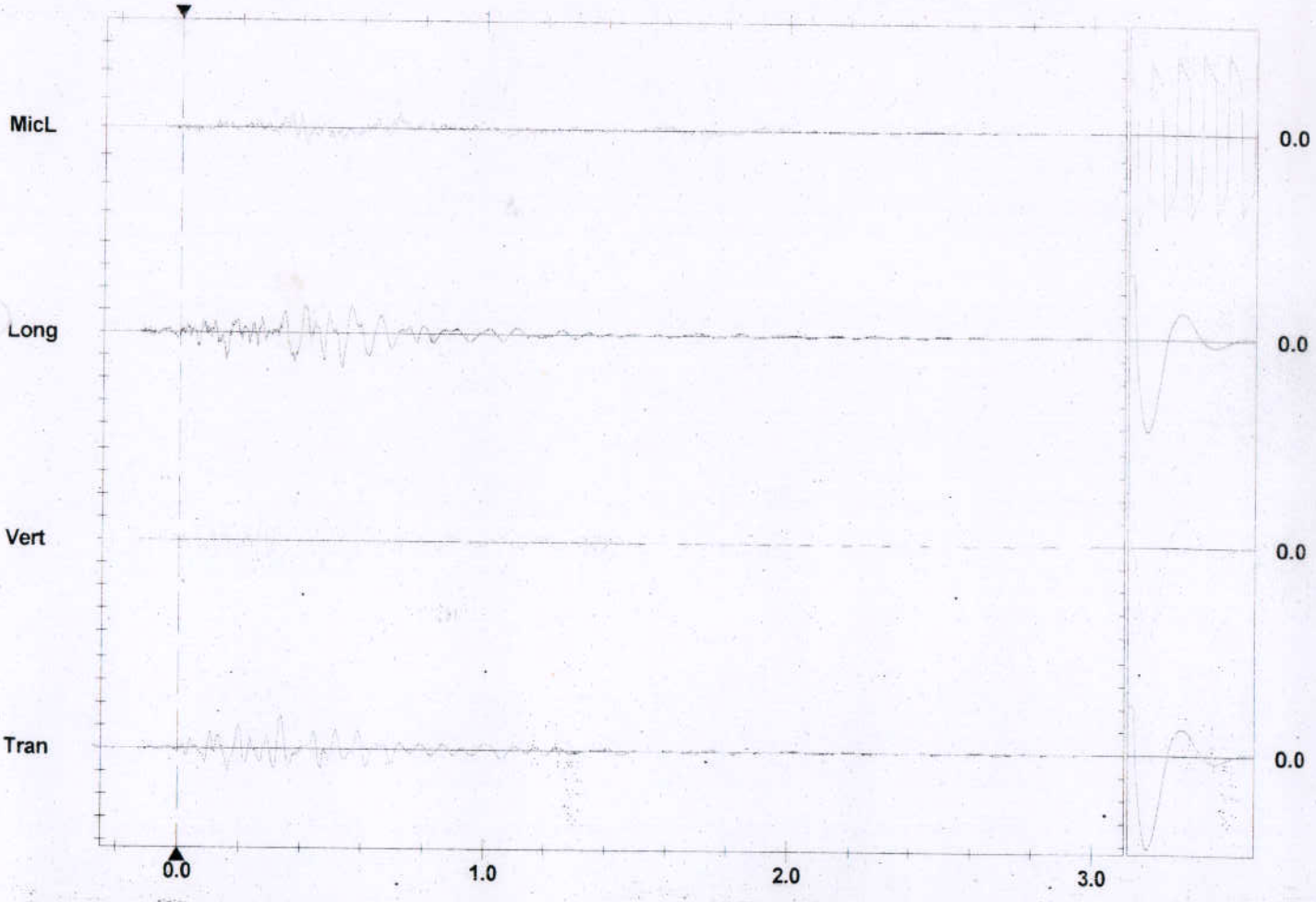
Microphone	Linear Weighting
PSPL	6.500 pa.(L) at 0.412 sec
ZC Freq	19 Hz
Channel Test	Passed (Freq = 19 Hz Amp = 436 mv)

	Tran	Vert	Long	
PPV	2.921	2.921	2.921	mm/s
ZC Freq	18	19	17	Hz
Time (Rel. to Trig)	0.335	0.247	0.530	sec
Peak Acceleration	0.040	0.053	0.053	g
Peak Displacement	0.026	0.025	0.035	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.8	7.6	7.8	Hz
Overswing Ratio	3.5	3.4	3.5	

Peak Vector Sum 3.829 mm/s at 0.469 sec

USBM RI8507 And OSMRE





Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div Sensor Check

Trigger =

Instantel Event Report

Date/Time	Long at 13:49:07 December 20, 2021
Trigger Source	Geo: 1.000 mm/s
Range	Geo: 254.0 mm/s
Record Time	3.0 sec at 1024 sps
Job Number:	1

Serial Number	BE17407 V 10.72-1.1 Minimate Blaster
Battery Level	6.2 Volts
Unit Calibration	November 18, 2021 by CIMFR Dhanbad
File Name	S407JAKR.PV0
Scaled Distance	22.4 (100.0 m, 20.0 kg)

Notes

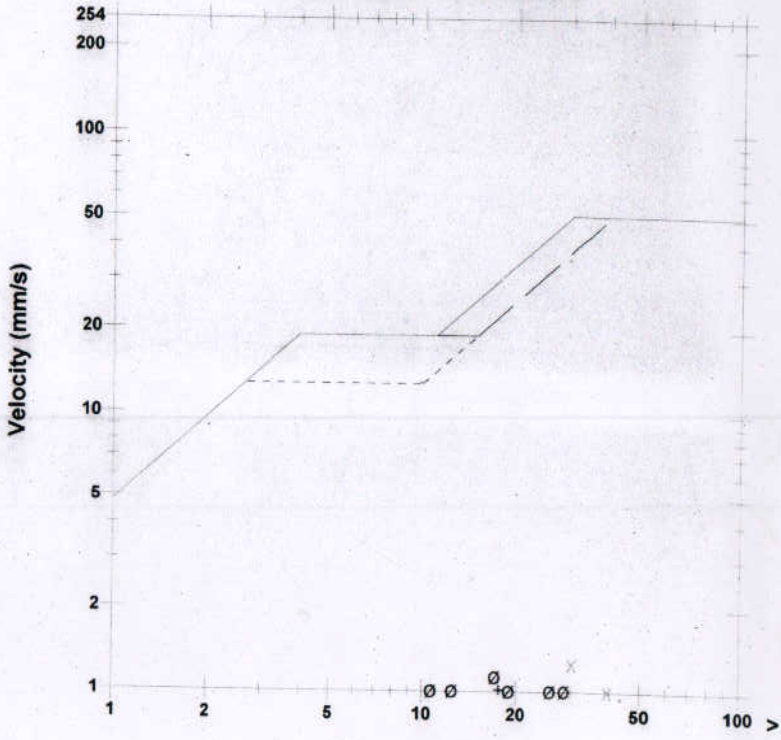
Location:	Pit-B
Client:	Kathautia Open Cast Coal Mines, HIL
User Name:	Nishikant Kumar
General:	Coal Mine

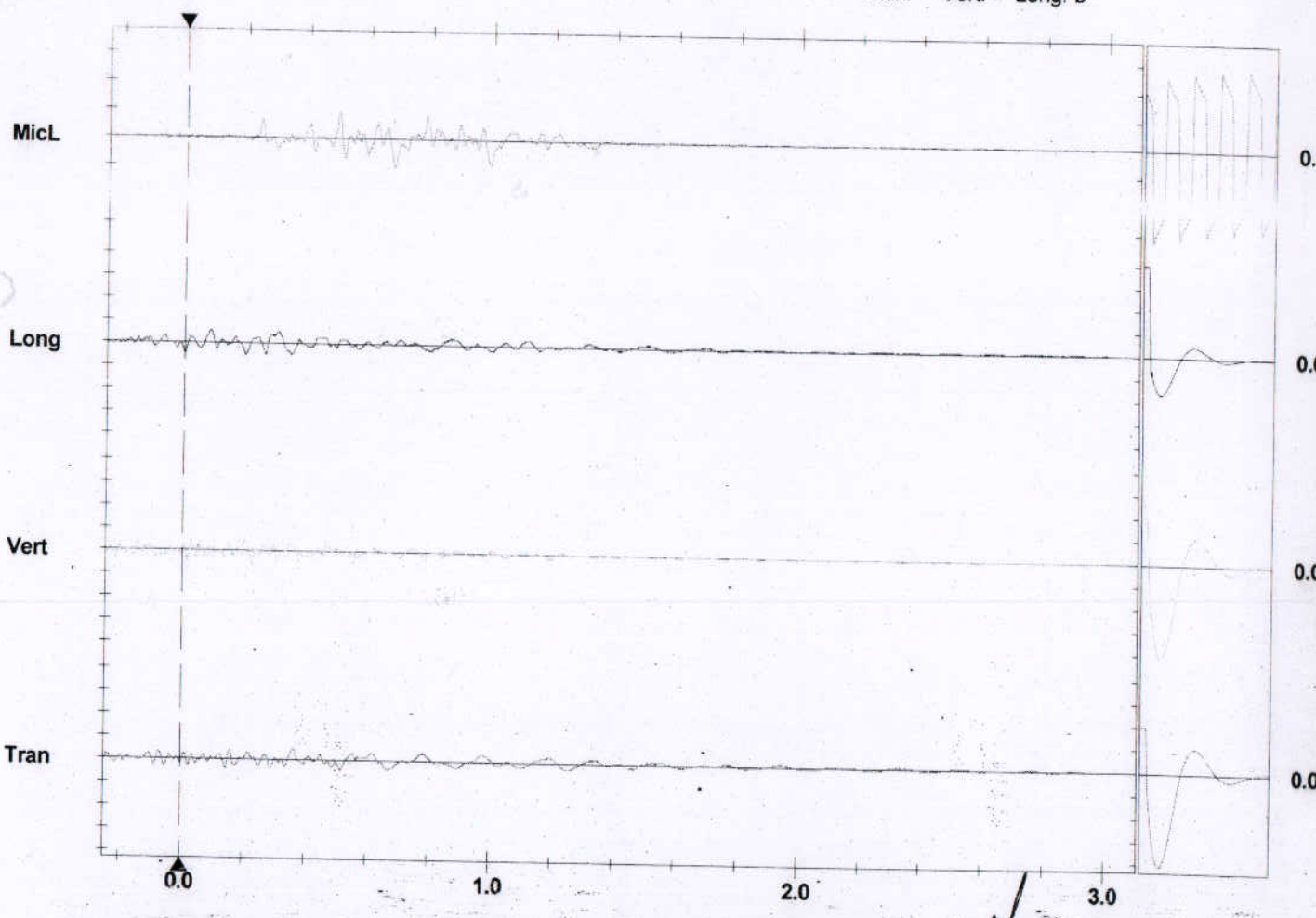
Microphone	Linear Weighting
PSPL	10.00 pa.(L) at 0.673 sec
ZC Freq	7.9 Hz
Channel Test	Passed (Freq = 19.7 Hz Amp = 491 mv)

	Tran	Vert	Long	
PPV	1.016	1.270	1.143	mm/s
ZC Freq	18	30	17	Hz
Time (Rel. to Trig)	0.362	0.224	0.084	sec
Peak Acceleration	0.027	0.027	0.027	g
Peak Displacement	0.013	0.010	0.017	mm
Sensor Check	Passed	Passed	Check	
Frequency	7.6	7.6	8.3	Hz
Overswing Ratio	3.7	3.4	3.5	

Peak Vector Sum 1.380 mm/s at 0.224 sec

USBM RI8507 And OSMRE





Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div

Trigger = ▶——◀

Sensor Check

Instantel Event Report

Date/Time	Tran at 15:34:28 January 21, 2022
Trigger Source	Geo: 1.000 mm/s
Range	Geo: 254.0 mm/s
Record Time	3.0 sec at 1024 sps
Job Number:	1

Serial Number	BE17407 V 10.72-1.1 Minimate Blaster
Battery Level	6.1 Volts
Unit Calibration	November 18, 2021 by CIMFR Dhanbad
File Name	S407JC85.XG0
Scaled Distance	22.4 (100.0 m, 20.0 kg)

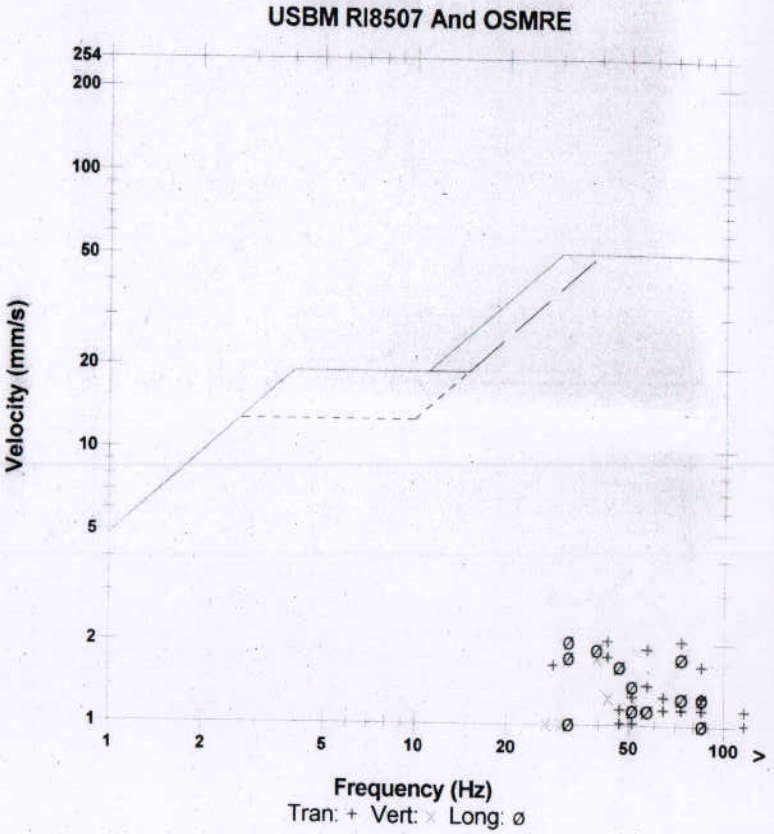
Notes

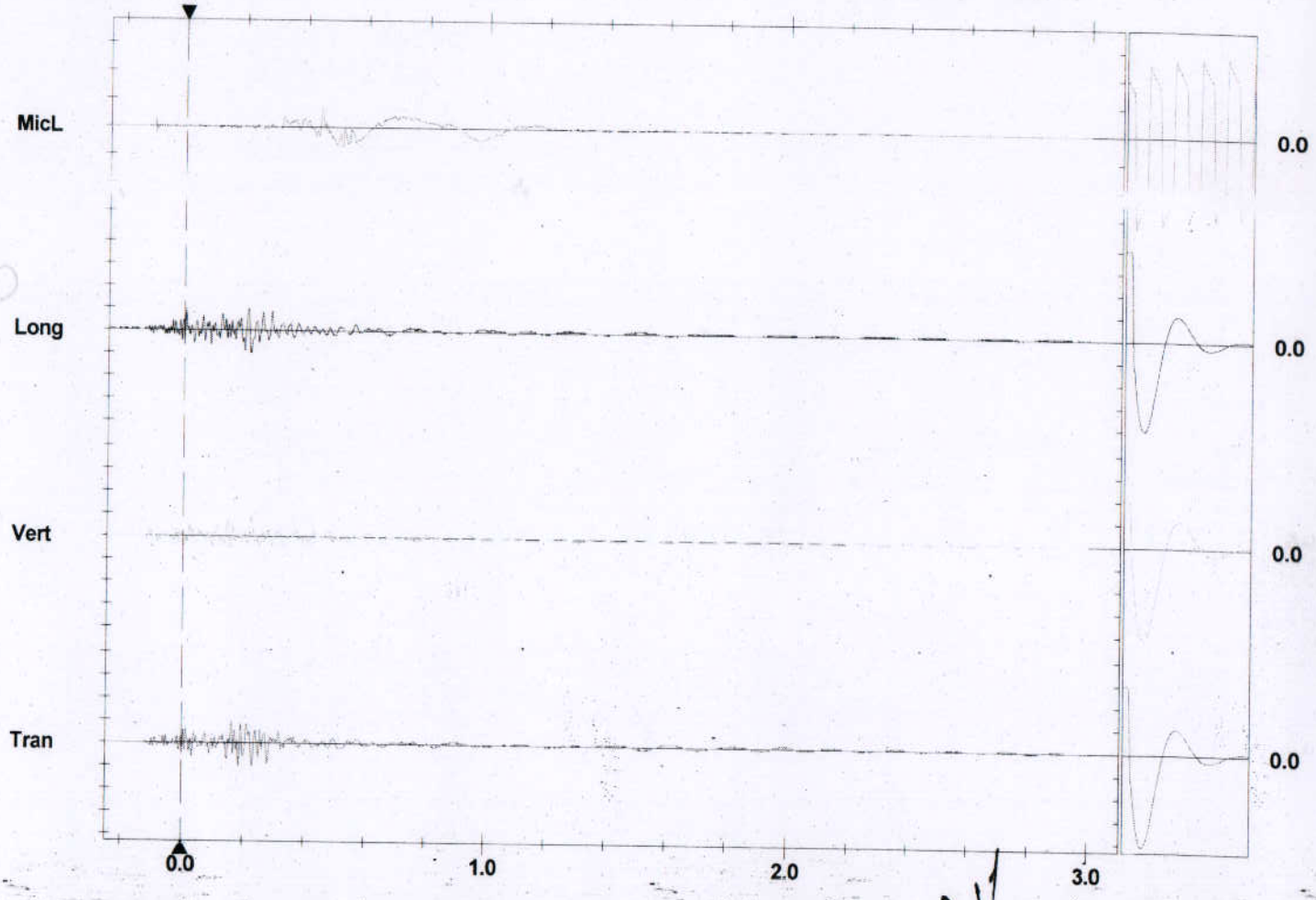
Location:	Pit-A
Client:	Kathautia Open Cast Coal Mines, HIL
User Name:	Nishikant Kumar
General:	Coal Mine

Microphone	Linear Weighting
PSPL	6.750 pa.(L) at 0.444 sec
ZC Freq	39 Hz
Channel Test	Passed (Freq = 19.7 Hz Amp = 489 mv)

	Tran	Vert	Long	
PPV	2.032	1.778	2.032	mm/s
ZC Freq	73	39	32	Hz
Time (Rel. to Trig)	0.188	0.224	0.218	sec
Peak Acceleration	0.093	0.053	0.093	g
Peak Displacement	0.008	0.007	0.009	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.9	7.6	8.1	Hz
Overswing Ratio	3.6	3.5	3.5	

Peak Vector Sum 2.293 mm/s at 0.005 sec





Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div

Trigger = ▶—— ——◀

Sensor Check

Instantel

Event Report

Date/Time	Vert at 15:50:09 February 21, 2022
Trigger Source	Geo: 1.000 mm/s
Range	Geo: 254.0 mm/s
Record Time	3.0 sec at 1024 sps
Job Number:	1

Serial Number	BE17407 V 10.72-1.1 Minimate Blaster
Battery Level	6.1 Volts
Unit Calibration	November 18, 2021 by CIMFR Dhanbad
File Name	S407JDTL.BL0
Scaled Distance	22.4 (100.0 m, 20.0 kg)

Notes

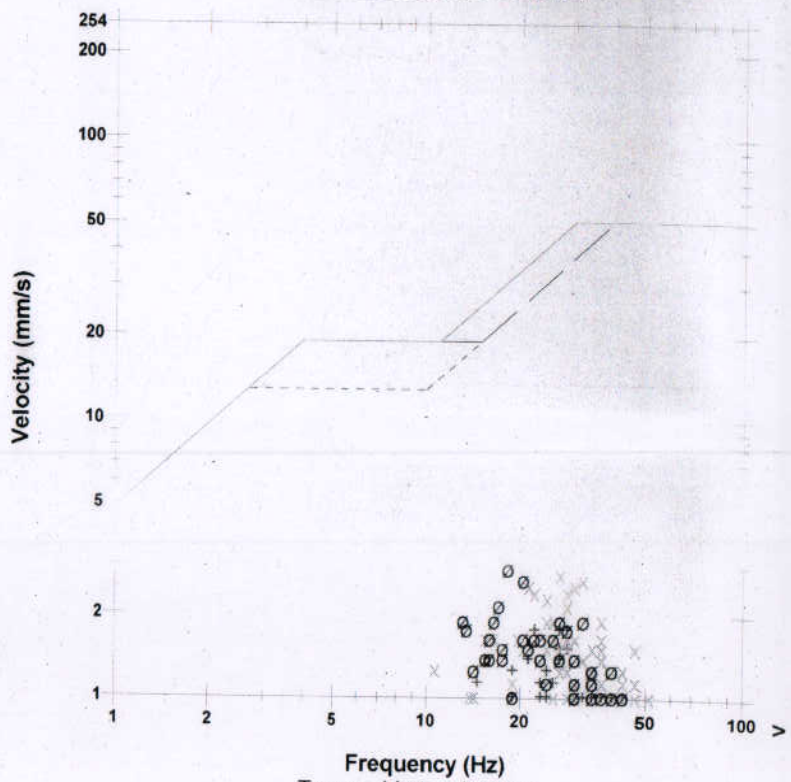
Location:	Pit-A
Client:	Kathautia Open Cast Coal Mines, HIL
User Name:	Yogesh Dwivedi
General:	Coal Mine

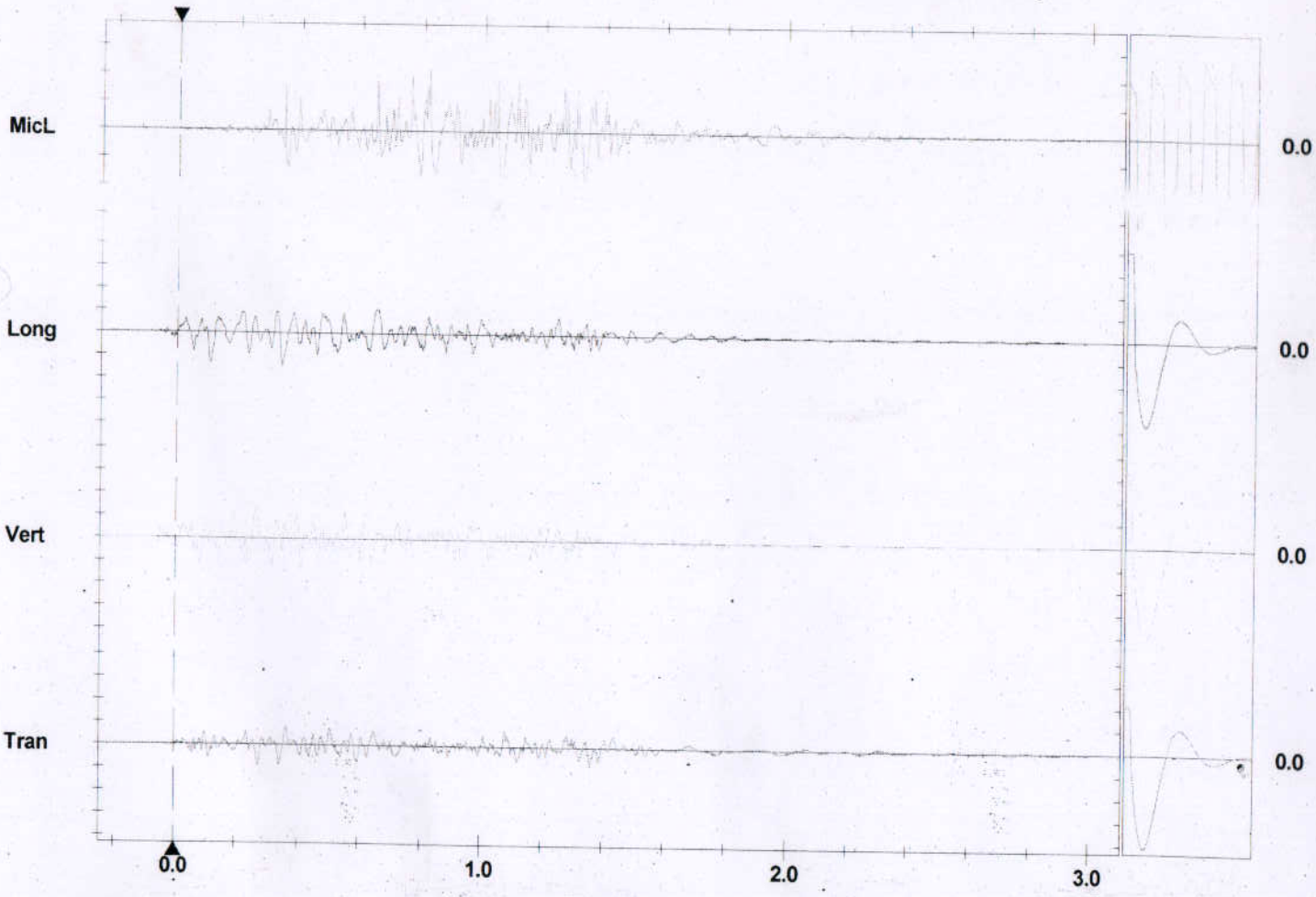
Microphone	Linear Weighting
PSPL	23.00 pa.(L) at 0.817 sec
ZC Freq	20 Hz
Channel Test	Passed (Freq = 20.1 Hz Amp = 448 mv)

	Tran	Vert	Long	
PPV	1.778	2.794	2.921	mm/s
ZC Freq	28	27	18	Hz
Time (Rel. to Trig)	0.273	0.310	0.339	sec
Peak Acceleration	0.040	0.066	0.053	g
Peak Displacement	0.010	0.021	0.024	mm
Sensor Check	Passed	Passed	Check	
Frequency	7.6	7.5	8.1	Hz
Overswing Ratio	3.5	3.4	3.4	

Peak Vector Sum 3.285 mm/s at 0.341 sec

USBM RI8507 And OSMRE





Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div

Trigger = ▶——◀

Sensor Check

Printed: April 6, 2022 (V 10.72 - 10.72)

Instantel

Event Report

Date/Time	Long at 14:59:14 March 11, 2022
Trigger Source	Geo: 1.000 mm/s
Range	Geo: 254.0 mm/s
Record Time	3.0 sec at 1024 sps
Job Number:	1

Serial Number	BE17407 V 10.72-1.1 Minimate Blaster
Battery Level	6.1 Volts
Unit Calibration	November 18, 2021 by CIMFR Dhanbad
File Name	S407JEQU.YQ0
Scaled Distance	22.4 (100.0 m, 20.0 kg)

Notes

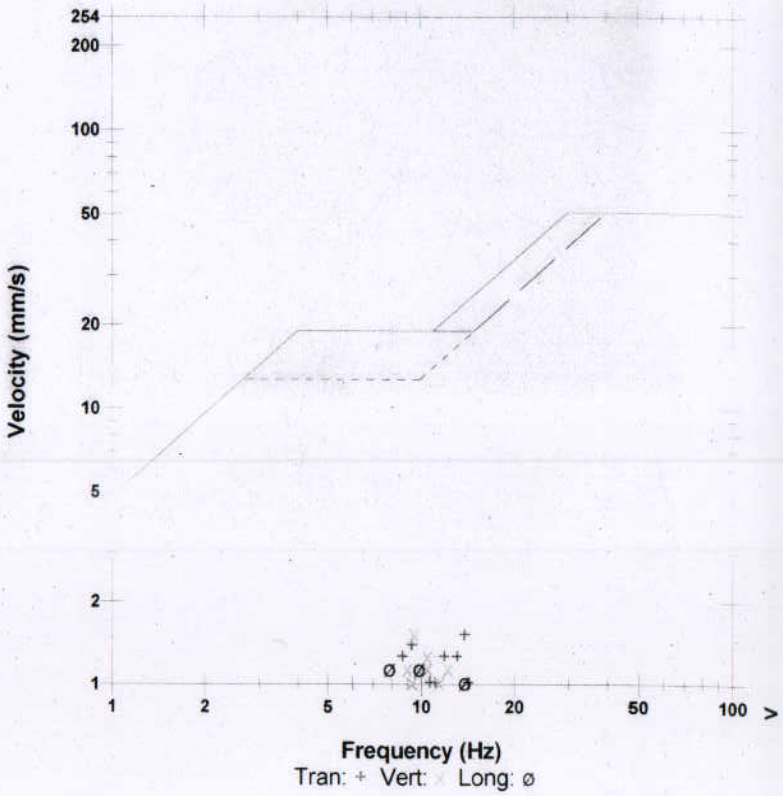
Location:	Pit-A
Client:	Kathautia Open Cast Coal Mines, HIL
User Name:	Yogesh Dwivedi
General:	Coal Mine

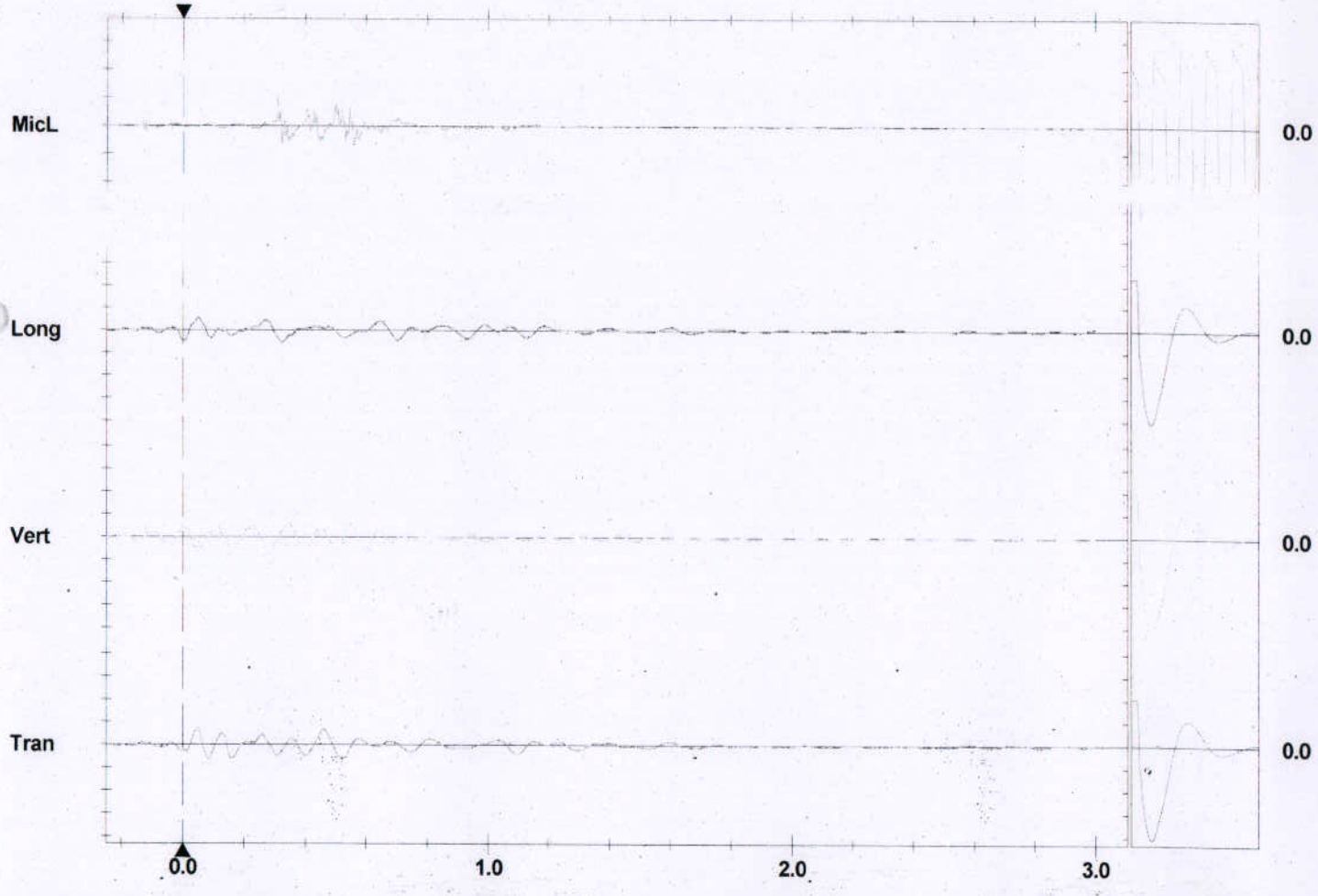
Microphone	Linear Weighting
PSPL	10.50 pa.(L) at 0.311 sec
ZC Freq	13 Hz
Channel Test	Passed (Freq = 20.1 Hz Amp = 469 mv)

	Tran	Vert	Long	
PPV	1.524	1.524	1.143	mm/s
ZC Freq	14	9.5	9.8	Hz
Time (Rel. to Trig)	0.047	0.280	0.048	sec
Peak Acceleration	0.027	0.027	0.013	g
Peak Displacement	0.024	0.024	0.021	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.6	7.7	Hz
Overswing Ratio	3.6	3.4	3.5	

Peak Vector Sum 2.102 mm/s at 0.048 sec

USBM RI8507 And OSMRE





Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div

Trigger = ▶——◀

Sensor Check