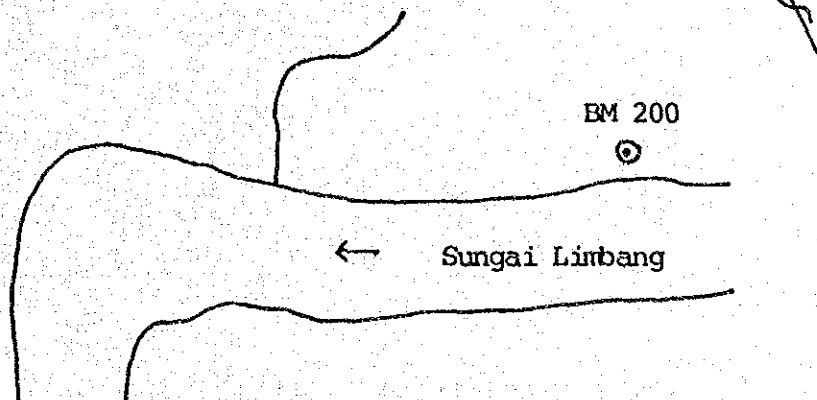


APPENDIX II

BENCH MARK DESCRIPTION

Bench Mark Description

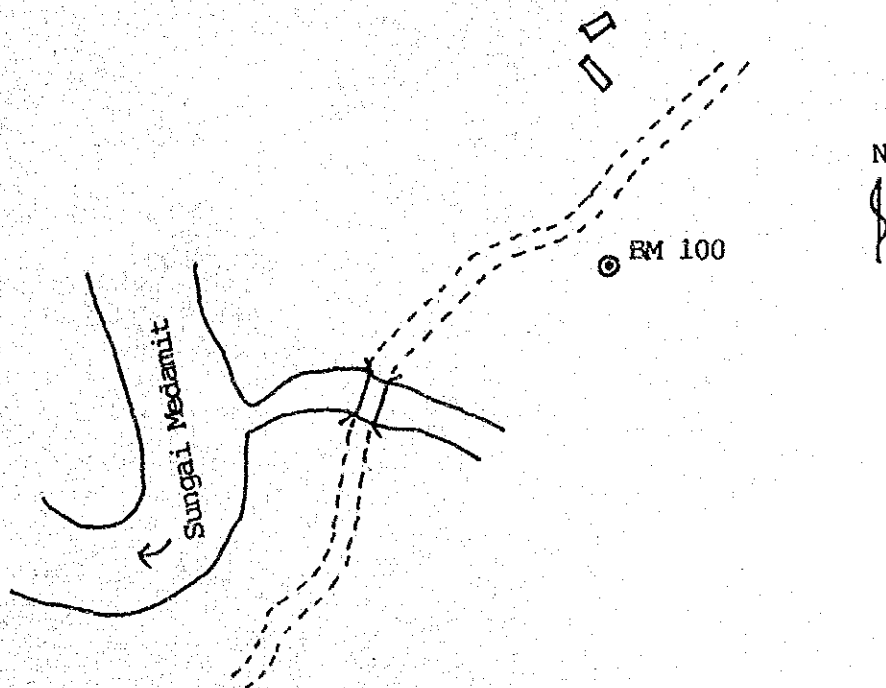
BM 200



BM 200 is a permanent bench mark constructed near the powerhouse site. The construction of the bench mark was as specified and has the word SESCO BM 200 written across the face.

The bench mark is sited near sungai Limbang, approximately 110 m to a stream before the river start to bend.

BM 100



BM 100 is a permanent bench mark constructed near the intake site. The bench mark was constructed as specified.

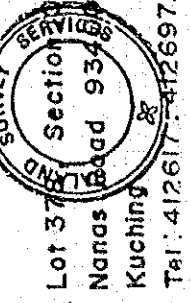
The bench mark is sited on the hill side approximately 10 m from the logging road. BM 100 is located midway about 100 m between a stream that branches out from Sungai Medamit and the wooden huts.

APPENDIX III

WEATHER CHART

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

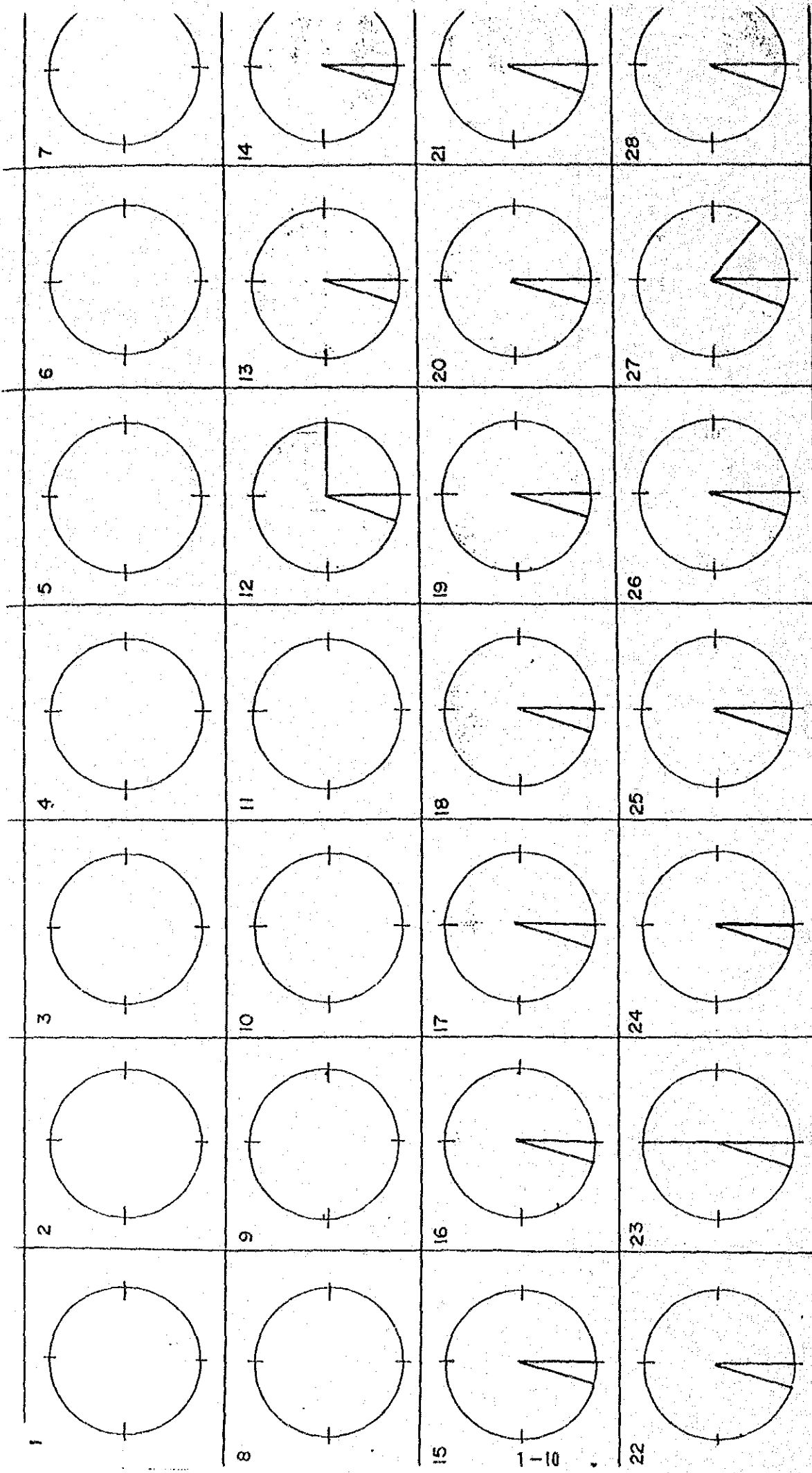
SALAND SURVEY SERVICES



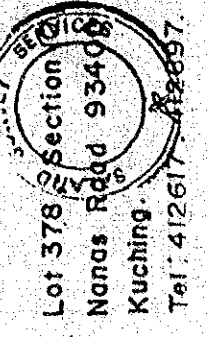
FINE
 RAIN

WEATHER CHART

PROJECT : MEDAMIT 2 HYDRO-
POWER SCHEME
MONTH : MAY 87



SALAND SURVEY SERVICES



PROJECT : *MEDAMIT 2 - HYDRO - POWER SCHEME*
 MONTH : *JUNE 87*

FINE
 RAIN

WEATHER CHART

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

WEATHER CHART

SALAND SURVEY SERVICES

Lot 378 Section 10,
Nandak Road 9300
Kuching
Tel: 4126176, 412697.

PROJECT : MEDAMIT 2 HYDRO
POWER SCHEME
MONTH : JULY 87

FINE
 RAIN

APPENDIX IV

TRAVERSE COMPUTATIONS

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2 HYDROPOWER SCHEME

FROM	TO	OBSD BRG	FINAL BRG	ADJ BRG	REMARKS
	C	R.O	322.1503	322.1500	
	NPKT 1		96.354	96.3538	
NPKT 1	C		276.3543		
	2		37.48	37.4756	
NPKT 2	1		217.4803		
	3		18.1651	18.1645	
NPKT 3	2		198.1653		
	4		320.0146	320.0139	
NPKT 4	3		140.0153		
	5		263.0106	263.0053	
NPKT 5	4		83.0101		
	6		349.2459	349.2452	
NPKT 6	5		169.2511		
	7		23.0649	23.0631	
NPKT 7	6		203.0653		
	8		321.465	321.4629	
NPKT 8	7		141.4656		
	9		351.2156	351.2130	
NPKT 9	8		171.2208		
	10		326.15	326.1423	
NPKT 10	9		146.1506		
	11		282.2747	282.2705	
NPKT 11	10		102.2743		
	12		286.4039	286.4002	
NPKT 12	11		106.4043		
	13		22.4219	22.4139	
NPKT 13	12		202.4215		
	14		341.3447	341.3411	
NPKT 14	13		161.3445		
	15		15.515	15.5117	
NPKT 15	14		195.5146		
	16		341.0728	341.0700	
NPKT 16	15		161.0727		
	17		1.4556	1.4530	
NPKT 17	16		181.4549		
	18		342.1008	342.0950	
NPKT 18	17		162.1009		
	19		297.4235	297.4217	
NPKT 19	18		117.424		
	20		24.3852	24.3830	

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2. HYDROPOWER SCHEME

FROM	TO	OBSD BRG	FINAL BRG	ADJ BRG	REMARKS
NPKT 20	19	204.39			
	21	55.0427	55.0358		
NPKT 21	20	235.0429			
	22	89.0143	89.0113		
NPKT 22	21	269.0138			
	23	81.3648	81.3624		
NPKT 23	22	261.3645			
	24	138.2832	138.2750		
NPKT 24	23	318.2827			
	25	59.3355	59.3319		
NPKT 25	24	239.3405			
	26	103.5052	103.5007		
NPKT 26	25	283.5046			
	27	158.2133	158.2055		
NPKT 27	26	338.2135			
	28	84.3038	84.2959		
NPKT 28	27	264.3037			
	29	38.1139	38.1102		
NPKT 29	28	218.1133			
	30	8.1647	8.1617		
NPKT 30	29	188.17			
	31	116.5705	116.5623		
NPKT 31	30	296.5705			
	32	35.5901	35.5820		
NPKT 32	31	215.5855			
	33	303.4716	303.4642		
NPKT 33	32	123.4713			
	34	3.3139	3.3109		
NPKT 34	33	183.314			
	35	53.0342	53.0312		
NPKT 35	34	233.0337			
	36	10.2219	10.2155		
NPKT 36	35	190.2218			
	37	331.0909	331.0846		
NPKT 37	36	151.0901			
	38	309.5749	309.5735		
NPKT 38	37	129.5753			
	39	46.3301	46.3244		
NPKT 39	38	226.3258			
	40	301.0104	301.0051		

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2 HYDROPOWER SCHEME

FROM	TO	OBSD BRG	FINAL BRG	ADJ BRG	REMARKS
NPKT 40	39	121.0103			
	41	340.4933	340.4922		
NPKT 41	40	160.4932			
	42	21.2012	21.2003		
NPKT 42	41	201.2011			
	43	56.1102	56.1055		
NPKT 43	42	256.1101			
	44	37.534	37.5335		
NPKT 44	43	217.5344			
	45	19.4942	19.4934		
NPKT 45	44	199.4941			
	46	41.2551	41.2545		
NPKT 46	45	221.2549			
	47	36.2405	36.2402		
NPKT 47	46	216.2407			
	48	13.5548	13.5544		
NPKT 48	47	193.5547			
	49	187.3536	187.3534		
NPKT 49	48	7.3533			
	50	172.4657	172.4659		
NPKT 50	49	352.4653			
	51	256.3355	256.3402		
NPKT 51	50	76.3358			
	52	280.4746	280.4751		
NPKT 52	51	100.4741			
	53	215.534	215.5351		
NPKT 53	52	35.5336			
	54	206.2144	206.2200		
NPKT 54	53	26.2146			
	BM1	316.4007	316.4022		
BM1	54	136.4004			
	55	136.2604	136.2623		
NPKT 55	BM1	316.2602			
	56	165.3454	165.3510		
NPKT 56	55	345.3451			
	57	44.5958	44.0018		
NPKT 57	56	223.5954			
	58	95.0543	95.0608		
NPKT 58	57	275.0545			
	59	145.2653	145.2717		

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2 HYDROPOWER SCHEME

FROM	TO	OBSD BRG	FINAL BRG	ADJ BRG	REMARKS
NPKT 59	58	325.2653			
	60	224.222	224.2245		
NPKT 60	59	44.2225			
	61	197.3802	197.3823		
NPKT 61	60	17.3801			
	62	221.3006	221.3029		
NPKT 62	61	41.3004			
	63	218.5749	218.5814		
NPKT 63	62	38.5745			
	64	199.3736	199.3806		
NPKT 64	63	19.3733			
	65	220.1921	220.1955		
NPKT 65	64	40.1915			
	66	238.5114	238.5155		
NPKT 66	65	58.5106			
	67	194.0859	194.0949		
NPKT 67	66	14.0904			
	68	160.5429	160.5515		
NPKT 68	67	340.543			
	69	116.4648	116.4734		
NPKT 69	68	296.4648			
	70	226.4739	226.4826		
NPKT 70	69	46.474			
	71	136.2859	136.2946		
NPKT 71	70	316.2903			
	72	238.3545	238.3629		
NPKT 72	71	58.3545			
	73	316.0139	316.0224		
NPKT 73	72	136.0136			
	74	253.3902	253.3951		
NPKT 74	73	73.3907			
	75	264.111	264.1155		
NPKT 75	74	84.1107			
	76	196.035	196.0439		
NPKT 76	75	16.0346			
	77	331.4423	331.4517		
NPKT 77	76	151.4422			
	78	307.3437	307.3533		
NPKT 78	77	127.3437			
	C	97.1109	97.1134		
C	78	277.1112			
	R.C	322.1345	322.1500		

CORR. " 78 " BI stations

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2 HYDROPOWER DEV. SCHEME

TRVERSE COMPUTATION
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| STATION | BEARING  | DISTANCE | SF       | EASTING       | NORTHING      | REMARKS |
|---------|----------|----------|----------|---------------|---------------|---------|
| C       |          |          |          | 2,594,845.000 | 5,477,944.000 |         |
| 1       | 96.3538  | 427.512  | 0.999848 | 2,595,269.613 | 5,477,894.914 |         |
| 2       | 37.4756  | 380.363  | 0.999848 | 2,595,502.693 | 5,478,195.418 |         |
| 3       | 18.1645  | 576.131  | 0.999848 | 2,595,693.358 | 5,478,742.392 |         |
| 4       | 320.0139 | 129.272  | 0.999848 | 2,595,600.322 | 5,478,841.444 |         |
| 5       | 263.0053 | 241.169  | 0.999848 | 2,595,360.976 | 5,478,812.118 |         |
| 6       | 349.2452 | 108.246  | 0.999848 | 2,595,341.092 | 5,478,918.506 |         |
| 7       | 23.0631  | 139.956  | 0.999848 | 2,595,396.011 | 5,479,047.212 |         |
| 8       | 321.4629 | 116.443  | 0.999848 | 2,595,323.970 | 5,479,138.673 |         |
| 9       | 351.2130 | 204.863  | 0.999849 | 2,595,293.190 | 5,479,341.179 |         |
| 10      | 326.1423 | 108.913  | 0.999849 | 2,595,232.673 | 5,479,431.712 |         |
| 11      | 282.2705 | 171.926  | 0.999849 | 2,595,064.815 | 5,479,468.775 |         |
| 12      | 286.4002 | 154.673  | 0.999849 | 2,594,916.659 | 5,479,513.130 |         |
| 13      | 22.4139  | 120.765  | 0.999849 | 2,594,963.242 | 5,479,624.528 |         |
| 14      | 341.3411 | 100.909  | 0.999849 | 2,594,931.343 | 5,479,720.246 |         |
| 15      | 15.5117  | 84.010   | 0.999849 | 2,594,954.290 | 5,479,801.048 |         |
| 16      | 341.0700 | 188.737  | 0.999849 | 2,594,893.213 | 5,479,979.599 |         |
| 17      | 1.4530   | 111.446  | 0.999849 | 2,594,896.630 | 5,480,090.976 |         |
| 18      | 342.0950 | 111.417  | 0.999849 | 2,594,862.507 | 5,480,197.021 |         |
| 19      | 297.4217 | 153.416  | 0.999849 | 2,594,726.698 | 5,480,268.336 |         |
| 20      | 24.3830  | 144.227  | 0.999849 | 2,594,786.821 | 5,480,399.408 |         |
| 21      | 55.0358  | 92.532   | 0.999849 | 2,594,862.667 | 5,480,452.386 |         |
| 22      | 89.0113  | 132.068  | 0.999849 | 2,594,994.694 | 5,480,454.644 |         |
| 23      | 81.3624  | 182.131  | 0.999849 | 2,595,174.844 | 5,480,481.224 |         |
| 24      | 138.2750 | 1368.871 | 0.999849 | 2,596,082.373 | 5,479,456.723 |         |
| 25      | 59.3319  | 84.843   | 0.999848 | 2,596,155.505 | 5,479,495.707 |         |
| 26      | 103.5007 | 91.287   | 0.999848 | 2,596,244.129 | 5,479,477.880 |         |
| 27      | 158.2055 | 32.951   | 0.999848 | 2,596,256.284 | 5,479,447.258 |         |
| 28      | 84.2959  | 412.413  | 0.999848 | 2,596,666.730 | 5,479,486.781 |         |
| 29      | 38.1102  | 93.447   | 0.999848 | 2,596,724.487 | 5,479,560.222 |         |
| 30      | 8.1617   | 106.520  | 0.999848 | 2,596,739.808 | 5,479,665.617 |         |
| 31      | 116.5623 | 1142.516 | 0.999848 | 2,597,758.169 | 5,479,148.072 |         |
| 32      | 35.5820  | 503.263  | 0.999848 | 2,598,053.730 | 5,479,553.300 |         |
| 33      | 303.4642 | 110.130  | 0.999848 | 2,597,942.293 | 5,479,616.571 |         |
| 34      | 3.3109   | 86.484   | 0.999848 | 2,597,987.507 | 5,479,702.798 |         |
| 35      | 53.0312  | 135.834  | 0.999848 | 2,598,076.046 | 5,479,784.431 |         |
| 36      | 10.2155  | 133.423  | 0.999848 | 2,598,100.047 | 5,479,818.277 |         |
| 37      | 331.0646 | 96.781   | 0.999848 | 2,598,003.248 | 5,480,000.409 |         |
| 38      | 309.5735 | 115.413  | 0.999848 | 2,597,964.396 | 5,480,071.521 |         |

SALAND SURVEY SERVICES

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PROJECT : SESCO MEDAMIT - 2 HYDROPOWER DEV. SCHEME

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 TRAVERSE COMPUTATION  
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STATION	BEARING	DISTANCE	SF	EASTING	NORTHING	REMARKS
39	46.3244	200.931	0.999848	2,598,110.731	5,480,212.696	
40	301.0051	79.947	0.999848	2,598,042.222	5,480,253.882	
41	340.4922	228.944	0.999848	2,597,967.024	5,480,470.087	
42	21.2003	72.533	0.999848	2,597,993.407	5,480,537.640	
43	56.1055	70.905	0.999848	2,598,052.305	5,480,577.096	
44	37.5335	88.135	0.999848	2,598,106.427	5,480,646.638	
45	19.4934	101.811	0.999848	2,598,140.952	5,480,742.399	
46	41.2545	84.856	0.999848	2,598,197.090	5,480,806.012	
47	36.2402	82.494	0.999848	2,598,246.036	5,480,872.400	
48	13.5544	808.977	0.999848	2,598,440.729	5,481,657.468	
49	187.3534	111.335	0.999849	2,598,426.018	5,481,547.125	
50	172.4659	105.838	0.999848	2,598,439.311	5,481,442.141	
51	256.3402	98.255	0.999848	2,598,343.757	5,481,419.319	
52	280.4751	172.724	0.999848	2,598,174.114	5,481,451.672	
53	215.5351	64.735	0.999849	2,598,136.162	5,481,399.240	
54	204.2200	215.983	0.999848	2,598,040.252	5,481,205.754	
BM 1	316.4022	165.667	0.999849	2,597,926.592	5,481,326.249	
55	136.2623	167.635	0.999849	2,598,042.092	5,481,204.790	
56	165.3510	78.014	0.999848	2,598,061.508	5,481,129.243	
57	44.0018	85.267	0.999848	2,598,120.734	5,481,190.564	
58	95.0608	152.644	0.999848	2,598,272.748	5,481,176.991	
59	145.2717	165.744	0.999848	2,598,366.718	5,481,040.491	
60	224.2245	148.200	0.999848	2,598,263.079	5,480,934.584	
61	177.3823	84.403	0.999843	2,598,237.505	5,480,854.162	
62	221.3029	74.274	0.999848	2,598,188.322	5,480,798.586	
63	216.5814	78.912	0.999848	2,598,138.698	5,480,737.244	
64	197.3906	101.382	0.999848	2,598,104.635	5,480,641.771	
65	220.1953	94.105	0.999848	2,598,043.737	5,480,570.045	
66	238.5155	64.296	0.999848	2,597,988.710	5,480,536.805	
67	194.0949	76.215	0.999848	2,597,970.062	5,480,462.918	
68	160.5515	227.923	0.999848	2,598,044.549	5,480,247.547	
69	116.4734	75.454	0.999848	2,598,111.892	5,480,213.540	
70	226.4826	201.175	0.999848	2,597,965.243	5,480,075.865	

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2 HYDROPOWER DEV. SCHEME

 TRAVERSE COMPUTATION
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| STATION    | BEARING  | DISTANCE | SF       | EASTING       | NORTHING      | REMARKS |
|------------|----------|----------|----------|---------------|---------------|---------|
| 71         | 136.2946 | 167.951  | 0.999848 | 2,598,080.841 | 5,479,954.063 |         |
| 72         | 238.3629 | 1541.058 | 0.999848 | 2,596,765.533 | 5,479,151.459 |         |
| 73         | 316.0224 | 49.069   | 0.999848 | 2,596,731.476 | 5,479,186.775 |         |
| 74         | 253.3951 | 87.101   | 0.999848 | 2,596,647.903 | 5,479,162.280 |         |
| 75         | 264.1155 | 247.881  | 0.999848 | 2,596,401.325 | 5,479,137.227 |         |
| 76         | 196.0439 | 2277.090 | 0.999848 | 2,595,770.775 | 5,476,949.524 |         |
| 77         | 331.4517 | 386.226  | 0.999847 | 2,595,588.017 | 5,477,289.709 |         |
| 78         | 307.3533 | 1099.148 | 0.999848 | 2,594,717.201 | 5,477,960.129 |         |
| C          | 97.1134  | 128.834  | 0.999848 | 2,594,845.000 | 5,477,944.000 |         |
|            |          |          |          | 19,309.292    | -0.296        | -0.064  |
| CLOSURE 1: |          |          |          | 63,740        |               |         |

SALAND SURVEY SERVICES  
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PROJECT : SESCO MEDAMIT - 2 HYDROPOWER SCHEME

BEARING ADJUSTMENT

| FROM    | TO      | OBSD BRG | FINAL BRG | ADJ BRG | REMARKS    |
|---------|---------|----------|-----------|---------|------------|
| BM1     | NPKT 55 | 136.2630 | 136.2630  |         |            |
|         | NPKT 79 | 343.4809 | 343.4811  |         |            |
| NPKT 79 | BM 1    | 163.4812 |           |         |            |
|         | BME 4   | 314.2230 | 314.2230  |         |            |
| BME 4   | NPKT 79 | 134.2230 |           |         |            |
|         | BME 1   | 56.1257  | 56.1259   |         |            |
| BME 1   | BME 4   | 236.1257 |           |         |            |
|         | BME 2   | 122.0227 | 122.0230  |         |            |
| BME 2   | BME 1   | 302.0227 |           |         |            |
|         | NPKT 86 | 291.2230 | 291.2235  |         |            |
| NPKT 86 | BME 2   | 111.2230 |           |         |            |
|         | NPKT 87 | 145.4430 | 145.4436  |         |            |
| NPKT 87 | NPKT 86 | 325.4427 |           |         |            |
|         | BM 1    | 165.4209 | 165.4220  |         |            |
| BM 1    | NPKT 67 | 345.4148 |           |         |            |
|         | NPKT 55 | 136.2557 | 136.2630  |         |            |
| CORR. = |         | 12       |           |         | 7 Stations |

SALAND SURVEY SERVICES

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PROJECT : SESCO MEDAMIT - 2 HYDROPOWER DEV. SCHEME

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 TRAVERSE COMPUTATION  
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STATION	BEARING	DISTANCE	SF	EASTING	NORTHING	REMARKS
BM 1				2,597,926.592	5,481,326.249	
NPKT 79	343.4811	101.851	0.999849	2,597,898.185	5,481,424.044	
BME 4	314.2230	99.157	0.999849	2,597,827.320	5,481,493.380	
BME 1	56.1259	27.218	0.999849	2,597,849.939	5,481,508.513	
BME 2	122.0230	29.794	0.999849	2,597,875.190	5,481,492.709	
NPKT 86	291.2235	30.560	0.999849	2,597,846.736	5,481,503.847	
NPKT 87	145.4436	98.240	0.999849	2,597,902.027	5,481,422.662	
BM 1	165.4220	99.510	0.999849	2,597,926.592	5,481,326.249	
		486.330		-0.003	0.006	
CLOSURE 1:				72,387		

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2 HYDROPOWER SCHEME

BEARING ADJUSTMENT

FROM	TO	OBSD BRG	FINAL BRG	ADJ BRG	REMARKS
BM1	NPKT 55	136.263	136.264		
	NPKT 80	314.4727	314.4739		
NPKT 80	BM1	134.4721			
	NPKT 81	266.1854	266.1913		
NPKT 81	NPKT 80	66.1857			
	NPKT 82	226.1042	226.1060		
NPKT 82	NPKT 81	46.1036			
	BME 3	198.3954	198.4020		
BME 3	NPKT 82	18.3954			
	NPKT 83	27.1339	27.1406		
NPKT 83	BME 3	207.1333			
	NPKT 84	44.3018	44.3053		
NPKT 84	NPKT 83	224.3015			
	NPKT 85	90.5721	90.5801		
NPKT 85	NPKT 84	270.5715			
	BM 1	129.5006	129.5053		
BM 1	NPKT 85	309.5012			
	NPKT 55	136.2557	136.264		
CORR. =		15			8 Stations

SALAND SURVEY SERVICES

PROJECT : SESCO MEDAMIT - 2 HYDROPOWER DEV. SCHEME

TRAVERSE COMPUTATION
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| STATION    | BEARING  | DISTANCE | SF       | EASTING       | NORTHING      | REMARKS |
|------------|----------|----------|----------|---------------|---------------|---------|
| BM 1       |          |          |          | 2,597,926.592 | 5,481,326.249 |         |
| NPKT 80    | 314.4739 | 45.019   | 0.999849 | 2,597,894.647 | 5,481,357.964 |         |
| NPKT 81    | 266.1913 | 36.999   | 0.999849 | 2,597,857.728 | 5,481,355.590 |         |
| NPKT 82    | 226.1060 | 45.153   | 0.999849 | 2,597,825.150 | 5,481,324.334 |         |
| BME 3      | 198.4020 | 34.438   | 0.999849 | 2,597,814.124 | 5,481,291.714 |         |
| NPKT 83    | 27.1406  | 38.844   | 0.999849 | 2,597,831.896 | 5,481,326.247 |         |
| NPKT 84    | 44.3053  | 37.744   | 0.999849 | 2,597,858.352 | 5,481,353.158 |         |
| NPKT 85    | 90.5801  | 36.755   | 0.999849 | 2,597,895.094 | 5,481,352.538 |         |
| BM 1       | 129.5053 | 41.036   | 0.999849 | 2,597,926.592 | 5,481,326.249 |         |
|            |          | 315.988  |          | -0.012        | 0.006         |         |
| CLOSURE 1: |          |          |          | 17.137        |               |         |

SALAND SURVEY SERVICES

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PROJECT : SESCO MEDAMIT - 2 HYDROPOWER SCHEME

BEARING ADJUSTMENT

| FROM    | TO      | ODSD BRG | FINAL BRG | ADJ BRG | REMARKS |
|---------|---------|----------|-----------|---------|---------|
| NPKT C  | NPKT 78 | 277.1224 | 277.1230  |         |         |
|         | BME 7   | 313.1221 | 313.1226  |         |         |
| BME 7   | NPKT C  | 133.1215 |           |         |         |
|         | NPKT 88 | 27.0057  | 27.0107   |         |         |
| NPKT 88 | BME 7   | 207.0058 |           |         |         |
|         | NPKT 89 | 19.3327  | 19.3337   |         |         |
| NPKT 89 | NPKT 88 | 199.3327 |           |         |         |
|         | NPKT 90 | 43.4345  | 43.4354   |         |         |
| NPKT 90 | NPKT 89 | 223.4345 |           |         |         |
|         | NPKT 91 | 1.4445   | 1.4455    |         |         |
| NPKT 91 | NPKT 90 | 181.4445 |           |         |         |
|         | BME 6   | 347.5018 | 347.5027  |         |         |
| BME 6   | NPKT 91 | 167.5015 |           |         |         |
|         | NPKT 92 | 16.5900  | 16.5913   |         |         |
| NPKT 92 | BME 6   | 196.5900 |           |         |         |
|         | NPKT 93 | 20.0054  | 20.0106   |         |         |
| NPKT 93 | NPKT 92 | 200.0051 |           |         |         |
|         | BME 7   | 3.2609   | 3.2625    |         |         |
| BME 7   | NPKT 93 | 185.2612 |           |         |         |
|         | NPKT 94 | 198.1331 | 198.1403  |         |         |
| NPKT 94 | BME 7   | 18.1351  |           |         |         |
|         | NPKT 95 | 195.5739 | 195.5752  |         |         |
| NPKT 95 | NPKT 94 | 15.5733  |           |         |         |
|         | NPKT 96 | 174.4251 | 174.4309  |         |         |
| NPKT 96 | NPKT 95 | 304.4254 |           |         |         |
|         | NPKT 97 | 222.5845 | 222.5901  |         |         |
| NPKT 97 | NPKT 96 | 42.5842  |           |         |         |
|         | NPKT 98 | 200.1427 | 200.1445  |         |         |
| NPKT 98 | NPKT 97 | 20.1427  |           |         |         |
|         | NPKT 99 | 208.0400 | 208.0425  |         |         |
| NPKT 99 | NPKT 98 | 28.0409  |           |         |         |
|         | NPKT C  | 130.3451 | 130.3506  |         |         |
| NPKT C  | NPKT 99 | 310.3454 |           |         |         |
|         | NPKT 78 | 277.1212 | 277.1230  |         |         |

ODSD. = 14

16 Station



SALAND SURVEY SERVICES  
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PROJECT : SESCO MEDAMIT - 2 HYDROPOWER DEV. SCHEME

TRAVERSE COMPUTATION

| STATION    | BEARING  | DISTANCE | SF       | EASTING       | NORTHING      | REMARKS |
|------------|----------|----------|----------|---------------|---------------|---------|
| C          |          |          |          | 2,594,845.000 | 5,477,944.000 |         |
| BME 7      | 313.1226 | 77.136   | 0.999848 | 2,594,768.764 | 5,477,996.804 |         |
| NPKT 88    | 27.0107  | 28.776   | 0.999848 | 2,594,801.853 | 5,478,022.436 |         |
| NPKT 89    | 19.3337  | 25.549   | 0.999848 | 2,594,810.405 | 5,478,046.507 |         |
| NPKT 90    | 43.4354  | 33.132   | 0.999848 | 2,594,833.304 | 5,478,070.445 |         |
| NPKT 91    | 1.4455   | 25.568   | 0.999848 | 2,594,834.084 | 5,478,095.998 |         |
| BME 6      | 347.5027 | 13.932   | 0.999848 | 2,594,831.150 | 5,478,109.615 |         |
| NPKT 92    | 16.5913  | 34.661   | 0.999848 | 2,594,841.274 | 5,478,142.760 |         |
| NPKT 93    | 20.0106  | 40.604   | 0.999848 | 2,594,855.170 | 5,478,180.506 |         |
| BME 7      | 5.2625   | 15.975   | 0.999848 | 2,594,856.624 | 5,478,198.807 |         |
| NPKT 94    | 198.1403 | 52.412   | 0.999848 | 2,594,840.286 | 5,478,147.035 |         |
| NPKT 95    | 195.5752 | 41.32    | 0.999848 | 2,594,828.722 | 5,478,167.315 |         |
| NPKT 96    | 174.4309 | 34.81    | 0.999848 | 2,594,832.124 | 5,478,072.857 |         |
| NPKT 97    | 222.5901 | 34.16    | 0.999848 | 2,594,808.837 | 5,478,047.674 |         |
| NPKT 98    | 200.1445 | 25.242   | 0.999848 | 2,594,800.103 | 5,478,028.996 |         |
| NPKT 99    | 208.0425 | 32.315   | 0.999848 | 2,594,784.897 | 5,477,995.488 |         |
| C          | 130.3306 | 79.156   | 0.999848 | 2,594,845.000 | 5,477,944.000 |         |
|            |          |          |          | 594.740       | -0.014        | 0.011   |
| CLOSURE 11 |          |          |          | 32,523        |               |         |

SALAND SURVEY SERVICES  
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PROJECT: SESCO MEDAMIT - 2 HYDROPOWER DEV. SCHEME

SHOOTING LINE
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| STATION | BEARING | DISTANCE (m) | SF       | EASTING (m)   | NORTHING (m)  | REMARKS |
|---------|---------|--------------|----------|---------------|---------------|---------|
| BME 2   |         |              |          | 2,597,875.472 | 5,481,492.422 |         |
| NBME 2  | 47.0000 | 5.400        | 0.999649 | 2,597,979.421 | 5,481,496.104 |         |

SMALL HYDRO POWER DEVELOPMENT SCHEME AT MEDAMIT-2

| STATION | E (m)         | N (m)         | Ht (m)  | Remarks                          |
|---------|---------------|---------------|---------|----------------------------------|
| BM 100  | 2,598,136.162 | 5,481,399.240 | 139.469 | pkt 53 ( Drg-1007 )              |
| BM 200  | 2,594,944.939 | 5,477,833.221 | 64.398  |                                  |
| BM 1    | 2,597,926.592 | 5,481,326.249 | 122.700 | ( Drg.-1006 )                    |
| BM C    | 2,594,845.000 | 5,477,944.000 | 63.109  | pkt C ( Drg.-1018 )              |
| BMe 1   | 2,597,849.939 | 5,481,508.513 | 131.015 | ( Drg.-1003 )                    |
| BMe 2   | 2,597,875.190 | 5,481,492.709 | 140.897 | ( Drg.-1003 )                    |
| BMe 3   | 2,597,814.124 | 5,481,291.714 | 158.331 | ( Drg.-1005/1006 )               |
| BMe 4   | 2,597,827.320 | 5,481,493.380 | 118.593 | ( Drg.-1003 )                    |
| BMe 7   | 2,594,788.784 | 5,477,996.804 | 63.156  | ( Drg.-1018 )                    |
| BMe 6   | 2,594,831.150 | 5,478,109.615 | 121.793 | ( Drg.-1019 )                    |
| BMe 5   | 2,594,856.684 | 5,478,196.807 | 159.202 | ( Drg.-1019 )                    |
| NBMe 2  | 2,597,879.421 | 5,481,496.104 |         | Requested by SESCO ( Drg.-1003 ) |