



UNIDADE UPM

Gerência de Hidrogeologia e Geotecnia

Rev Folha

BARRAGENS A , B e C
INFORME SOBRE AVALIAÇÃO DO GRAU DE
UMIDADE E NÍVEL DE ÁGUA

MOSAIC FERTILIZANTES

01

REV.

MOS - RT - UPM - 001

0

Período de referência: 01 de outubro a 30 de março/21

REVISÕES

TIPO DE EMISSÃO (TE) A - PRELIMINAR B - PARA APROVAÇÃO C - P/ CONHECIMENTO D - PARA COTAÇÃO E - PARA CONSTRUÇÃO F - CONFORME COMPRADO G - CONFORME CONSTRUÍDO H - CANCELADO L - APROVADO M - APROVADO C COMENTÁRIOS N - NÃO APROVADO O - CERTIFICADO

Table with columns: Rev., TE, Descrição, Por, Rev., Ver., Apr., Data. Row 1: A, C, Emissão Inicial. Subsequent rows are empty.

EQUIPE DO PROJETO

Profissional

Assinatura

Aprovado por: Sávio Silva Cantanhede

Sávio Silva Cantanhede

## 1 – INTRODUÇÃO

Recente lei estadual nº 23.291 de fevereiro de 2019 art. 12 determina que sejam apresentadas em site específico, as seguintes informações:

Resultados das análises e dos acompanhamentos do grau de umidade e do nível de água da barragem;

Respectiva ART;

## 2 – OBJETIVOS

O objetivo deste documento é apresentar para as barragens A, B e C as leituras realizadas no período de 01 de outubro a 30 de março de 2021, a sua respectiva avaliação e comentário final sobre a condição da barragem.

## 3 – APRESENTAÇÃO DOS DADOS DE LEITURAS DOS INSTRUMENTOS

Para obtenção das leituras existe equipe dedicada e específica para o monitoramento que segue como diretrizes o manual de operação das Barragens A, B e C. A identificação dos instrumentos e registro das leituras estão indicadas na planilha do anexo I. A planilha do anexo II traz as informações sobre nível de água no reservatório.

## 4 – ANÁLISE DAS LEITURAS

Baseado nos níveis d'água dos Indicadores dos Níveis de Água e Piezômetros, as leituras dos instrumentos estão dentro dos valores admissíveis para a condição estável para as Barragens, A, B e C de UPM.

A análise das leituras do nível de água do reservatório também indica valores em normalidade para a estabilidade da estrutura.

Atenciosamente,

**ANEXO I**  
**REGISTROS DAS LEITURAS DOS PIEZÔMETROS e INA's – outubro/20 a março de 2021**

Barragem A			Barragem B					Barragem C					
Data	INA 10	INA 11	Data	PZE-1	PZE-2	PZE-3	PZE-4	Data	INA-1	INA-2	INA-3	INA-4	PZ-1
01/10/2020	788,518	786,429	01/10/2020	786,83	786,45	785,84	786,82	01/10/2020	780,088	778,562	777,479	778,501	777,225
01/10/2020	788,528	786,459	01/10/2020	786,83	786,43	785,79	786,78	01/10/2020	780,128	778,572	777,459	778,421	777,235
02/10/2020	788,498	786,419	02/10/2020	786,81	786,42	785,81	786,8	02/10/2020	780,038	778,562	777,469	778,511	777,205
02/10/2020	788,488	786,439	02/10/2020	786,78	786,43	785,77	786,79	02/10/2020	780,098	778,562	777,439	778,351	777,195
03/10/2020	788,448	786,409	03/10/2020	786,78	786,44	785,8	786,81	03/10/2020	780,088	778,542	777,459	778,331	777,195
03/10/2020	788,448	786,429	03/10/2020	786,77	786,4	785,78	786,78	03/10/2020	780,038	778,552	777,469	778,331	777,175
04/10/2020	788,428	786,379	04/10/2020	786,77	786,42	785,79	786,79	04/10/2020	780,038	778,542	777,449	778,351	777,185
04/10/2020	788,408	786,369	04/10/2020	786,75	786,39	785,78	786,77	04/10/2020	780,068	778,552	777,439	778,341	777,185
05/10/2020	788,378	786,359	05/10/2020	786,75	786,43	785,81	786,79	05/10/2020	780,068	778,532	777,429	778,461	777,185
05/10/2020	788,378	786,359	05/10/2020	786,75	786,42	785,76	786,79	05/10/2020	780,048	778,532	777,429	778,321	777,185
06/10/2020	788,338	786,339	06/10/2020	786,74	786,4	785,78	786,79	06/10/2020	780,038	778,522	777,419	778,311	777,165
06/10/2020	788,348	786,349	06/10/2020	786,72	786,39	785,78	786,75	06/10/2020	780,018	778,522	777,409	778,291	777,145
07/10/2020	788,308	786,309	07/10/2020	786,73	786,4	785,79	786,77	07/10/2020	780,068	778,492	777,389	778,271	777,145
07/10/2020	788,308	786,329	07/10/2020	786,73	786,39	785,74	786,73	07/10/2020	780,058	778,512	777,419	778,261	777,145
08/10/2020	788,278	786,319	08/10/2020	786,74	786,39	785,77	786,77	08/10/2020	780,078	778,502	777,429	778,251	777,165
08/10/2020	788,298	786,319	08/10/2020	786,73	786,38	785,74	786,73	08/10/2020	780,008	778,502	777,409	778,271	
09/10/2020	788,268	786,309	09/10/2020	786,72	786,37	785,74	786,73	09/10/2020	780,048	778,502	777,399	778,271	777,145
09/10/2020	788,238	786,319	09/10/2020	786,72	786,34	785,74	786,69	09/10/2020	779,968	778,492	777,399	778,261	777,125
10/10/2020	788,258	786,279	10/10/2020	786,69	786,37	785,77	786,73	10/10/2020	779,998	778,502	777,409	778,261	777,145
10/10/2020	788,218	786,309	10/10/2020	786,71	786,34	785,72	786,7	10/10/2020	780,018	778,492	777,399	778,251	777,165
11/10/2020	788,198	786,249	11/10/2020	786,72	786,38	785,75	786,75	11/10/2020	780,018	778,482	777,399	778,261	777,165
11/10/2020	788,188	786,249	11/10/2020	786,69	786,34	785,74	786,73	11/10/2020	779,998	778,502	777,429	778,281	777,175
12/10/2020	788,168	786,229	12/10/2020	786,72	786,39	785,79	786,75	12/10/2020	780,018	778,482	777,419	778,291	777,165
12/10/2020	788,158	786,229	12/10/2020	786,73	786,34	785,74	786,73	12/10/2020	779,998	778,502	777,409	778,301	777,175
13/10/2020	788,138	786,209	13/10/2020	786,71	786,38	785,77	786,75	13/10/2020	780,028	778,492	777,449	778,321	777,175
13/10/2020	788,128	786,249	13/10/2020	786,71	786,32	785,73	786,69	13/10/2020	780,048	778,502	777,419	778,331	777,165

14/10/2020	788,118	786,219		14/10/2020	786,72	786,37	785,74	786,72		14/10/2020	780,058	778,502	777,409	778,371	777,165
14/10/2020	788,118	786,239		14/10/2020	786,72	786,33	785,73	786,7		14/10/2020	780,068	778,512	777,429	778,371	777,165
15/10/2020	788,098	786,199		15/10/2020	786,72	786,35	785,73	786,73		15/10/2020	780,058	778,512	777,409	778,351	777,175
15/10/2020	788,088	786,199		15/10/2020	786,71	786,33	785,73	786,7		15/10/2020	780,048	778,512	777,399	778,301	777,155
16/10/2020	788,078	786,169		16/10/2020	786,72	786,35	785,73	786,69		16/10/2020	780,038	778,492	777,399	778,281	777,135
16/10/2020	788,068	786,179		16/10/2020	786,72	786,34	785,73	786,7		16/10/2020	780,028	778,492	777,429	778,351	777,145
17/10/2020	788,048	786,169		17/10/2020	786,73	786,34	785,75	786,69		17/10/2020	780,098	778,482	777,419	778,401	777,145
17/10/2020	788,048	786,179		17/10/2020	786,71	786,29	785,7	786,68		17/10/2020	780,078	778,502	777,399	778,391	777,135
18/10/2020	788,028	786,169		18/10/2020	786,72	786,33	785,72	786,68		18/10/2020	780,078	778,502	777,389	778,421	777,165
18/10/2020	788,018	786,159		18/10/2020	786,71	786,28	785,7	786,66		18/10/2020	780,098	778,502	777,389	778,401	777,155
19/10/2020	788,018	786,139		19/10/2020	786,71	786,3	785,73	786,69		19/10/2020	780,088	778,482	777,419	778,421	777,155
19/10/2020	787,978	786,129		19/10/2020	786,68	786,32	785,72	786,69		19/10/2020	780,058	778,502	777,419	778,451	777,155
20/10/2020	787,978	786,139		20/10/2020	786,71	786,34	785,79	786,71		20/10/2020	780,058	778,502	777,389	778,471	777,145
20/10/2020	787,968	786,149		20/10/2020	786,69	786,34	785,77	786,67		20/10/2020	780,058	778,502	777,409	778,441	777,165
21/10/2020	787,958	786,129		21/10/2020	786,71	786,33	785,76	786,7		21/10/2020	780,098	778,512	777,419	778,451	777,155
21/10/2020	787,948	786,159		21/10/2020	786,72	786,3	785,75	786,65		21/10/2020	780,098	778,502	777,419	778,421	777,155
22/10/2020	787,948	786,139		22/10/2020	786,69	786,33	785,72	786,66		22/10/2020	780,108	778,502	777,419	778,471	777,155
22/10/2020	787,938	786,149		22/10/2020	786,71	786,29	785,72	786,66		22/10/2020	780,118	778,502	777,419	778,281	777,145
23/10/2020	787,918	786,119		23/10/2020	786,71	786,32	785,72	786,67		23/10/2020	780,138	778,482	777,389	778,251	777,115
23/10/2020	787,938	786,189		23/10/2020	786,71	786,32	785,76	786,67		23/10/2020	780,118	778,492	777,389	778,301	777,115
24/10/2020	787,928	786,199		24/10/2020	786,71	786,33	785,77	786,68		24/10/2020	780,108	778,502	777,409	778,441	777,145
24/10/2020	787,908	786,229		24/10/2020	786,71	786,28	785,76	786,66		24/10/2020	780,108	778,502	777,409	778,441	777,135
25/10/2020	787,898	786,249		25/10/2020	786,71	786,3	785,75	786,67		25/10/2020	780,148	778,512	777,399	778,511	777,155
25/10/2020	787,908	786,259		25/10/2020	786,69	786,26	785,71	786,65		25/10/2020	780,138	778,512	777,399	778,481	777,145
26/10/2020	787,908	786,259		26/10/2020	786,69	786,28	785,69	786,65		26/10/2020	780,148	778,502	777,429	778,491	777,155
26/10/2020	787,898	786,249		26/10/2020	786,69	786,26	785,7	786,65		26/10/2020	780,118	778,512	777,409	778,461	777,155
27/10/2020	787,888	786,279		27/10/2020	786,68	786,28	785,7	786,61		27/10/2020	780,148	778,522	777,439	778,681	777,165
27/10/2020	787,878	786,309		27/10/2020	786,67	786,25	785,68	786,6		27/10/2020	780,128	778,522	777,409	778,741	777,165
28/10/2020	787,888	786,269		28/10/2020	786,68	786,25	785,69	786,62		28/10/2020	780,158	778,512	777,409	778,661	777,155
28/10/2020	787,868	786,279		28/10/2020	786,67	786,26	785,69	786,61		28/10/2020	780,178	778,512	777,429	778,641	777,165
29/10/2020	787,858	786,249		29/10/2020	786,65	786,28	785,71	786,66		29/10/2020	780,158	778,492	777,399	778,631	777,165
29/10/2020	787,848	786,289		29/10/2020	786,67	786,26	785,69	786,65		29/10/2020	780,118	778,512	777,409	778,741	777,155

30/10/2020	787,848	786,249		30/10/2020	786,68	786,29	785,72	786,66	30/10/2020	780,168	778,522	777,419	778,841	777,155
31/10/2020	787,838	786,269		30/10/2020	786,66	786,28	785,72	786,65	30/10/2020	780,138	778,512	777,439	778,761	777,155
31/10/2020	787,848	786,299		31/10/2020	786,68	786,29	785,71	786,65	31/10/2020	780,128	778,522	777,429	778,841	777,165
01/11/2020	787,848	786,319		31/10/2020	786,68	786,28	785,73	786,66	31/10/2020		778,542		778,951	777,155
01/11/2020	787,848	786,339		01/11/2020	786,69	786,29	785,71	786,66	01/11/2020	780,118	778,542	777,449	779,171	777,165
02/11/2020	787,838	786,339		01/11/2020	786,68	786,25	785,72	786,62	01/11/2020	780,198	778,542	777,449	778,961	777,175
02/11/2020	787,848	786,339		02/11/2020	786,68	786,28	785,71	786,67	02/11/2020	780,228	778,532	777,439	779,081	777,155
03/11/2020	787,848	786,319		02/11/2020	786,69	786,26	785,69	786,62	02/11/2020	780,188	778,532	777,439	779,111	777,175
04/11/2020	787,818	786,309		03/11/2020	786,67	786,28	785,72	786,65	03/11/2020	780,128	778,522	777,419	779,231	777,165
04/11/2020	787,828	786,329		04/11/2020	786,68	786,29	785,72	786,69	04/11/2020	780,148	778,532	777,439	778,961	777,165
05/11/2020	787,828	786,329		04/11/2020	786,69	786,25	785,67	786,63	04/11/2020	780,178	778,552	777,429	778,781	777,155
06/11/2020	787,828	786,319		05/11/2020	786,69	786,26	785,72	786,65	05/11/2020	780,148	778,522	777,419	778,811	777,175
06/11/2020	787,818	786,329		06/11/2020	786,68	786,28	785,72	786,67	06/11/2020	780,188	778,532	777,419	778,871	777,155
07/11/2020	787,798	786,289		06/11/2020	786,68	786,25	785,7	786,63	06/11/2020	780,198	778,532	777,419	778,781	777,155
08/11/2020	787,808	786,289		07/11/2020	786,68	786,32	785,72	786,68	07/11/2020	780,198	778,512	777,409	778,801	777,155
08/11/2020	787,808	786,319		08/11/2020	786,69	786,3	785,75	786,67	08/11/2020	780,168	778,522	777,399	778,821	777,145
09/11/2020	787,808	786,299		08/11/2020	786,69	786,3	785,72	786,66	08/11/2020	780,178	778,522	777,419	778,891	777,155
09/11/2020	787,798	786,309		09/11/2020	786,68	786,3	785,75	786,68	09/11/2020	780,158	778,512	777,409	778,811	777,145
10/11/2020	787,788	786,279		09/11/2020	786,69	786,26	785,7	786,65	09/11/2020	780,218	778,542	777,429	778,791	777,155
10/11/2020	787,798	786,299		10/11/2020	786,69	786,3	785,72	786,67	10/11/2020	780,228	778,502	777,419	778,771	777,135
11/11/2020	787,778	786,289		10/11/2020	786,71	786,28	785,7	786,63	10/11/2020	780,208	778,522	777,399	778,841	777,145
11/11/2020	787,788	786,299		10/11/2020	786,69	786,3	785,72	786,67	11/11/2020	780,158	778,512	777,399	778,801	777,135
12/11/2020	787,798	786,289		10/11/2020	786,71	786,28	785,7	786,63	11/11/2020	780,188	778,522	777,389	778,791	777,145
12/11/2020	787,778	786,289		11/11/2020	786,67	786,28	785,72	786,65	12/11/2020	780,158	778,492	777,399	778,761	777,135
13/11/2020	787,778	786,279		11/11/2020	786,67	786,25	785,69	786,62	12/11/2020	780,208	778,502	777,399	778,741	777,135
13/11/2020	787,778	786,269		12/11/2020	786,67	786,28	785,69	786,65	13/11/2020	780,188	778,512	777,399	778,701	777,135
14/11/2020	787,768	786,259		12/11/2020	786,65	786,26	785,68	786,63	13/11/2020	780,178	778,512	777,409	778,801	777,125
14/11/2020	787,778	786,279		13/11/2020	786,67	786,26	785,72	786,62	14/11/2020	780,168	778,502	777,409	778,701	777,135
15/11/2020	787,758	786,259		13/11/2020	786,66	786,25	785,7	786,65	14/11/2020	780,208	778,512	777,409	778,691	777,145
16/11/2020	787,758	786,279		14/11/2020	786,65	786,26	785,71	786,65	15/11/2020	780,208	778,502	777,399	778,701	777,135
16/11/2020	787,758	786,279		14/11/2020	786,66	786,25	785,7	786,62	16/11/2020	780,198	778,522	777,399	778,701	777,135
17/11/2020	787,768	786,289		15/11/2020	786,66	786,28	785,7	786,65	16/11/2020	780,188	778,512	777,379		777,135

18/11/2020	787,738	786,269		16/11/2020	786,67	786,25	785,7	786,63		17/11/2020	780,188	778,502	777,389		777,125
18/11/2020	787,748	786,269		16/11/2020	786,66	786,2	785,67	786,62		18/11/2020	780,178	778,502	777,389		777,125
19/11/2020	787,718	786,239		17/11/2020	786,65	786,24	785,68	786,61		18/11/2020	780,188	778,512	777,379		777,115
19/11/2020	787,718	786,269		18/11/2020	786,63	786,23	785,67	786,61		19/11/2020	780,198	778,492	777,409		777,125
20/11/2020	787,738	786,259		18/11/2020	786,63	786,2	785,64	786,6		19/11/2020	780,208	778,502	777,389		777,125
20/11/2020	787,718	786,269		19/11/2020	786,63	786,23	785,69	786,59		20/11/2020	780,208	778,502	777,389		777,125
21/11/2020	787,728	786,239		19/11/2020	786,62	786,23	785,67	786,58		20/11/2020	780,178	778,502	777,369		777,125
21/11/2020	787,718	786,239		20/11/2020	786,65	786,23	785,68	786,6		21/11/2020	780,158	778,482	777,379		777,115
22/11/2020	787,688	786,189		20/11/2020	786,62	786,21	785,68	786,58		21/11/2020	780,178	778,482	777,359		777,105
22/11/2020	787,688	786,229		21/11/2020	786,65	786,23	785,69	786,59		22/11/2020	780,188	778,462	777,359		777,115
23/11/2020	787,688	786,199		21/11/2020	786,62	786,2	785,68	786,6		22/11/2020	780,218	778,492	777,389		777,095
23/11/2020	787,678	786,189		22/11/2020	786,62	786,26	785,7	786,62		23/11/2020	780,178	778,452	777,369		777,095
24/11/2020	787,678	786,169		22/11/2020	786,63	786,23	785,69	786,6		23/11/2020	780,158	778,452	777,359		777,085
24/11/2020	787,678	786,199		23/11/2020	786,63	786,25	785,72	786,65		24/11/2020	780,098	778,432	777,339		777,055
25/11/2020	787,658	786,159		23/11/2020	786,65	786,24	785,72	786,63		24/11/2020	780,128	778,422	777,339		777,065
25/11/2020	787,658	786,189		24/11/2020	786,62	786,28	785,72	786,66		25/11/2020	780,138	778,402	777,359	778,211	777,045
26/11/2020	787,648	786,179		24/11/2020	786,65	786,28	785,7	786,62		25/11/2020	780,108	778,432	777,329	778,201	777,065
26/11/2020	787,648	786,189		25/11/2020	786,67	786,28	785,73	786,63		26/11/2020	780,088	778,422	777,339	778,281	777,065
27/11/2020	787,648	786,169		25/11/2020	786,65	786,25	785,68	786,63		26/11/2020	780,128	778,412	777,339	778,201	777,055
27/11/2020	787,648	786,179		26/11/2020	786,63	786,25	785,71	786,63		27/11/2020	780,138	778,402	777,329	778,171	777,035
28/11/2020	787,638	786,159		26/11/2020	786,65	786,25	785,69	786,6		27/11/2020	780,058	778,402	777,309	778,181	777,035
28/11/2020	787,628	786,159		27/11/2020	786,66	786,28	785,68	786,63		28/11/2020	780,098	778,382	777,299	778,171	777,015
29/11/2020	787,628	786,139		27/11/2020	786,66	786,24	785,7	786,61		28/11/2020	780,048	778,392	777,319	778,161	777,025
29/11/2020	787,608	786,149		28/11/2020	786,63	786,26	785,71	786,66		29/11/2020	780,028	778,372	777,279	778,161	777,035
30/11/2020	787,618	786,119		28/11/2020	786,65	786,23	785,69	786,62		29/11/2020	780,068	778,382	777,309	778,151	777,035
30/11/2020	787,608	786,149		29/11/2020	786,66	786,25	785,72	786,65		30/11/2020	780,048	778,382	777,309	778,231	777,035
01/12/2020	787,608	786,129		29/11/2020	786,67	786,24	785,68	786,61		30/11/2020	780,038	778,382	777,319	778,131	777,025
01/12/2020	787,598	786,149		30/11/2020	786,65	786,23	785,69	786,63		01/12/2020	780,048	778,352	777,289	778,121	777,015
02/12/2020	787,608	786,109		30/11/2020	786,63	786,23	785,67	786,59		01/12/2020	780,038	778,362	777,289	778,131	777,005
02/12/2020	787,588	786,119		01/12/2020	786,63	786,21	785,69	786,6		02/12/2020	779,998	778,342	777,279	778,111	776,985
03/12/2020	787,578	786,119		01/12/2020	786,65	786,2	785,65	786,57		02/12/2020	780,008	778,342	777,309	778,121	776,995
03/12/2020	787,598	786,149		02/12/2020	786,62	786,21	785,69	786,58		03/12/2020	780,048	778,352	777,279	778,101	777,005

04/12/2020	787,588	786,139		02/12/2020	786,62	786,23	785,67	786,58	03/12/2020	780,028	778,352	777,279	778,131	777,015
04/12/2020	787,568	786,159		03/12/2020	786,63	786,21	785,68	786,61	04/12/2020	779,968	778,352	777,319	778,131	777,025
05/12/2020	787,578	786,149		03/12/2020	786,61	786,24	785,68	786,59	04/12/2020	779,998	778,342	777,309	778,111	776,995
05/12/2020	787,588	786,169		04/12/2020	786,62	786,24	785,7	786,61	05/12/2020	779,988	778,332	777,279	778,121	776,995
06/12/2020	787,568	786,169		04/12/2020	786,6	786,21	785,68	786,6	05/12/2020	779,958	778,332	777,289	778,091	776,995
06/12/2020	787,578	786,169		05/12/2020	786,61	786,24	785,69	786,6	06/12/2020	779,948	778,352	777,309	778,081	776,985
07/12/2020	787,588	786,189		05/12/2020	786,61	786,23	785,67	786,58	06/12/2020	779,998	778,352	777,289	778,091	776,985
07/12/2020	787,648	786,249		06/12/2020	786,62	786,21	785,69	786,6	07/12/2020	780,028	778,352	777,329	780,251	777,045
08/12/2020	787,748	786,309		06/12/2020	786,61	786,2	785,68	786,6	07/12/2020	780,078	778,402	777,349	778,781	777,065
08/12/2020	787,988	786,369		07/12/2020	786,62	786,33	785,77	786,71	08/12/2020	779,988	778,412	777,369	779,051	777,075
09/12/2020	788,468	786,469		07/12/2020	786,65	786,26	785,74	786,66	08/12/2020	780,028	778,422	777,379	779,011	777,085
09/12/2020	788,978	786,559		08/12/2020	786,65	786,26	785,76	786,66	09/12/2020	780,098	778,452	777,429	779,571	777,135
10/12/2020	789,228	786,609		08/12/2020	786,65	786,29	785,77	786,68	09/12/2020	780,038	778,462	777,399	779,321	777,125
10/12/2020	789,438	786,659		09/12/2020	786,67	786,35	785,79	786,73	10/12/2020	780,088	778,472	777,409	778,941	777,125
11/12/2020	789,668	786,739		10/12/2020	786,67	786,34	785,81	786,73	11/12/2020	780,118	778,462	777,379	778,781	777,105
12/12/2020	789,798	786,859		10/12/2020	786,69	786,34	785,8	786,73	11/12/2020	780,068	778,482	777,429	780,501	777,155
12/12/2020	789,938	786,919		11/12/2020	786,68	786,38	785,81	786,76	12/12/2020	780,138	778,522	777,439	780,141	777,185
13/12/2020	790,058	786,929		11/12/2020	786,69	786,43	785,85	786,82	12/12/2020	780,148	778,522	777,439	779,071	777,175
13/12/2020	790,218	786,999		12/12/2020	786,71	786,43	785,87	786,82	13/12/2020	780,128	778,532	777,439	778,931	777,185
14/12/2020	790,278	787,019		12/12/2020	786,72	786,42	785,86	786,78	13/12/2020	780,128	778,542	777,429	778,841	777,175
14/12/2020	790,308	787,039		13/12/2020	786,71	786,44	785,87	786,82	14/12/2020	780,138	778,532	777,419	778,781	777,165
15/12/2020	790,308	787,039		13/12/2020	786,74	786,4	785,84	786,8	14/12/2020	780,138	778,542	777,449	778,781	777,155
15/12/2020	790,308	787,069		14/12/2020	786,74	786,43	785,86	786,8	15/12/2020	780,108	778,532	777,439	778,671	777,155
16/12/2020	790,288	787,039		14/12/2020	786,72	786,41	785,83	786,77	15/12/2020	780,138	778,512	777,409	778,691	777,155
16/12/2020	790,308	787,059		15/12/2020	786,76	786,43	785,84	786,82	16/12/2020	780,128	778,512	777,429	778,751	777,135
17/12/2020	790,308	787,039		15/12/2020	786,75	786,41	785,81	786,78	16/12/2020	780,168	778,512	777,429	778,851	777,145
17/12/2020	790,328	787,049		16/12/2020	786,75	786,63	785,84	786,78	17/12/2020	780,128	778,512	777,419	778,881	777,135
18/12/2020	790,348	787,049		17/12/2020	786,75	786,64	785,84	786,83	17/12/2020	780,168	778,512	777,419	778,841	777,135
18/12/2020		787,079		17/12/2020	786,76	786,63	785,83	786,8	18/12/2020	780,158	778,512	777,429	779,011	777,135
19/12/2020		787,089		18/12/2020	786,75	786,64	785,83	786,81	18/12/2020	780,148	778,522	777,419	779,071	777,145
19/12/2020		787,129		18/12/2020	786,76	786,64	785,84	786,82	19/12/2020	780,168	778,522	777,439	778,991	777,145
20/12/2020		787,119		19/12/2020	786,75	786,65	785,88	786,83	19/12/2020	780,148	778,522	777,419	778,981	777,155

20/12/2020		787,159		19/12/2020	786,77	786,63	785,84	786,82	20/12/2020	780,178	778,532	777,419	778,961	777,155
21/12/2020		787,179		20/12/2020	786,76	786,67	785,88	786,86	21/12/2020	780,208	778,542	777,439	779,061	777,135
21/12/2020		787,179		20/12/2020	786,78	786,64	785,88	786,85	21/12/2020	780,168	778,522	777,429	779,031	777,155
22/12/2020		787,149		21/12/2020	786,78	786,67	785,86	786,86	22/12/2020	780,168	778,522	777,419	778,591	777,125
22/12/2020		787,199		21/12/2020	786,78	786,65	785,88	786,84	22/12/2020	780,228	778,532	777,419	778,511	777,145
23/12/2020		787,179		22/12/2020			785,88		23/12/2020	780,178	778,522	777,449	778,491	777,135
23/12/2020		787,209		22/12/2020	786,79	786,69	785,88	786,85	23/12/2020	780,198	778,542	777,429	778,501	777,135
24/12/2020		787,209		23/12/2020	786,79	786,7	785,86	786,86	24/12/2020	780,188	778,522	777,409	778,481	777,155
24/12/2020		787,209		24/12/2020	786,79	786,67	785,85	786,86	24/12/2020	780,208	778,522	777,449	778,551	777,145
25/12/2020		787,209		25/12/2020	786,79	786,69	785,91	786,86	25/12/2020	780,188	778,512	777,439	778,511	777,135
26/12/2020		787,189		25/12/2020	786,82	786,68	785,85	786,86	25/12/2020	780,198	778,532	777,419	778,561	777,145
26/12/2020		787,219		26/12/2020	786,79	786,7	785,86	786,87	26/12/2020	780,168	778,522	777,429	778,581	777,145
27/12/2020		787,199		26/12/2020	786,81	786,69	785,89	786,88	26/12/2020	780,178	778,512	777,419	778,691	777,155
27/12/2020		787,189		27/12/2020	786,82	786,72	785,9	786,88	27/12/2020	780,198	778,522	777,429	778,791	777,125
28/12/2020		787,189		27/12/2020	786,82	786,72	785,9	786,92	27/12/2020	780,198	778,502	777,419	778,831	777,125
28/12/2020		787,189		28/12/2020	786,82	786,74	785,94	786,93	28/12/2020	780,168	778,502	777,409	778,851	777,135
29/12/2020		787,199		28/12/2020	786,82	786,72	785,92	786,92	28/12/2020	780,188	778,522	777,439	779,361	777,155
29/12/2020		787,209		29/12/2020	786,83	786,74	785,94	786,93	29/12/2020	780,188	778,542	777,439	780,051	777,155
30/12/2020		787,189		29/12/2020	786,83	786,73	785,9	786,91	29/12/2020	780,228	778,552	777,439	780,131	777,155
30/12/2020		787,209		30/12/2020	786,83	786,7	785,94	786,92	30/12/2020	780,218	778,552	777,429	780,251	777,155
31/12/2020		787,159		30/12/2020	786,83	786,51	785,91	786,92	30/12/2020	780,208	778,552	777,439	780,311	777,165
31/12/2020		787,199		31/12/2020	786,83	786,56	785,94	786,93	31/12/2020	780,238	778,562	777,449	780,271	777,165
01/01/2021		787,169		31/12/2020	786,83	786,51	785,91	786,91	31/12/2020	780,208	778,542	777,429	779,071	777,165
01/01/2021		787,169		01/01/2021	786,85	786,51	785,9	786,91	01/01/2021	780,218	778,552	777,429	778,691	777,145
02/01/2021		787,179		01/01/2021	786,84	786,52	785,91	786,88	01/01/2021	780,218	778,542	777,429	778,711	777,145
02/01/2021		787,189		02/01/2021	786,84	786,5	785,88	786,85	02/01/2021	780,238	778,522	777,429	778,781	777,135
03/01/2021		787,169		02/01/2021	786,84	786,47	785,83	786,84	02/01/2021	780,188	778,532	777,399	778,641	777,125
03/01/2021		787,169		03/01/2021		786,46	785,89	786,85	03/01/2021	780,208	778,512	777,419		777,125
04/01/2021		787,139		03/01/2021	786,84	786,46	785,88	786,85	03/01/2021	780,268	778,522	777,429		777,125
04/01/2021		787,139		04/01/2021	786,82	786,47	785,89	786,84	04/01/2021	780,228	778,502	777,389		777,115
05/01/2021		787,129		04/01/2021	786,82	786,46	785,89	786,83	04/01/2021	780,218	778,472	777,409		777,125
05/01/2021		787,139		05/01/2021	786,83	786,47	785,88	786,85	05/01/2021	780,118	778,492	777,399		777,105



06/01/2021		787,129		05/01/2021	786,83	786,46	785,88	786,83	05/01/2021	780,218	778,492	777,389		777,115
06/01/2021		787,149		06/01/2021	786,83	786,47	785,88	786,84	06/01/2021	780,218	778,492	777,389		777,115
07/01/2021		787,139		06/01/2021	786,82	786,45	785,84	786,83	06/01/2021	780,168	778,482	777,389		777,105
07/01/2021		787,129		07/01/2021	786,83	786,45	785,88	786,84	07/01/2021	780,138	778,472	777,389		777,105
08/01/2021		787,129		07/01/2021	786,83	786,46	785,88	786,86	07/01/2021	780,148	778,482	777,409		777,115
08/01/2021		787,139		08/01/2021	786,84	786,47	785,89	786,84	08/01/2021	780,158	778,472	777,399		777,115
09/01/2021		787,129		08/01/2021	786,83	786,42	785,86	786,81	08/01/2021	780,208	778,482	777,399		777,125
09/01/2021		787,129		09/01/2021	786,83	786,45	785,86	786,83	09/01/2021	780,188	778,492	777,399		777,115
10/01/2021		787,089		09/01/2021	786,79	786,42	785,85	786,8	09/01/2021	780,158	778,482	777,399		777,115
10/01/2021		787,129		10/01/2021	786,78	786,45	785,89	786,84	10/01/2021	780,148	778,462	777,399		777,105
11/01/2021		787,109		10/01/2021	786,81	786,43	785,88	786,78	10/01/2021	780,158	778,472	777,389		777,115
11/01/2021		787,129		11/01/2021	786,79	786,46	785,88	786,82	11/01/2021	780,178	778,462	777,369		777,095
12/01/2021		787,109		11/01/2021	786,79	786,43	785,84	786,76	11/01/2021	780,168	778,462	777,379		777,105
12/01/2021		787,139		12/01/2021	786,81	786,45	785,86	786,84	12/01/2021	780,188	778,472	777,379		777,105
13/01/2021	790,438	787,189		12/01/2021	786,79	786,42	785,86	786,82	12/01/2021	780,198	778,472	777,369		777,105
14/01/2021		787,169		13/01/2021	786,81	786,43	785,88	786,81	13/01/2021	780,168	778,472	777,409	778,941	777,105
14/01/2021		787,179		13/01/2021	786,78	786,43	785,83	786,8	13/01/2021	780,148	778,472	777,379		777,115
15/01/2021		787,169		14/01/2021	786,79	786,43	785,86	786,82	14/01/2021	780,158	778,462	777,389		777,095
15/01/2021		787,209		14/01/2021	786,79	786,45	785,89	786,84	14/01/2021	780,178	778,482	777,389		777,125
16/01/2021		787,189		15/01/2021	786,81	786,45	785,88	786,85	15/01/2021	780,188	778,472	777,399		777,115
16/01/2021		787,199		15/01/2021	786,82	786,42	785,85	786,82	15/01/2021	780,178	778,442	777,399		777,115
17/01/2021		787,189		16/01/2021	786,81	786,45	785,88	786,83	16/01/2021	780,178	778,452	777,389		777,115
17/01/2021		787,199		16/01/2021	786,82	786,45	785,86	786,82	16/01/2021	780,178	778,452	777,409		777,115
18/01/2021		787,189		17/01/2021	786,82	786,45	785,86	786,83	17/01/2021	780,128	778,452	777,409		777,105
18/01/2021		787,209		17/01/2021	786,81	786,43	785,86	786,81	17/01/2021	780,198	778,452	777,389		777,105
19/01/2021		787,169		18/01/2021	786,82	786,45	785,88	786,82	18/01/2021	780,148	778,442	777,359		777,105
19/01/2021		787,179		18/01/2021	786,81	786,42	785,85	786,78	18/01/2021	780,138	778,452	777,369		777,095
20/01/2021		787,169		19/01/2021	786,79	786,43	785,88	786,85	19/01/2021	780,148	778,442	777,369		777,105
20/01/2021		787,189		19/01/2021	786,82	786,42	785,85	786,82	19/01/2021	780,168	778,432	777,379		777,105
21/01/2021	790,538	787,159		20/01/2021	786,82	786,47	785,88	786,82	20/01/2021	780,158	778,432	777,369		777,105
21/01/2021	790,438	787,149		20/01/2021	786,82	786,41	785,86	786,81	20/01/2021	780,158	778,432	777,369		777,105
22/01/2021	790,408	787,119		21/01/2021	786,83	786,45	785,87	786,85	21/01/2021	780,148	778,422	777,379		777,085
22/01/2021	790,418	787,139		21/01/2021	786,84	786,42	785,88	786,81	21/01/2021	780,178	778,432	777,369	778,691	777,095

23/01/2021	790,398	787,139		22/01/2021	786,81	786,46	785,86	786,84		22/01/2021	780,158	778,412	777,349	778,691	777,085
23/01/2021	790,418	787,169		22/01/2021	786,82	786,46	785,86	786,83		22/01/2021	780,188	778,412	777,319	778,301	777,065
24/01/2021	790,388	787,129		23/01/2021	786,81	786,45	785,89	786,86		23/01/2021	780,098	778,382	777,319	778,241	777,045
24/01/2021	790,398	787,159		23/01/2021	786,83	786,46	785,84	786,81		23/01/2021	780,088	778,382	777,349	778,241	777,035
25/01/2021	790,368	787,129		24/01/2021	786,83	786,45	785,87	786,84		24/01/2021	780,108	778,362	777,329	778,201	777,035
25/01/2021	790,358	787,139		24/01/2021	786,83	786,42	785,83	786,8		24/01/2021	780,088	778,382	777,329	778,191	777,035
26/01/2021	790,328	787,099		25/01/2021	786,83	786,43	785,85	786,83		25/01/2021	780,078	778,362	777,319	778,171	777,025
26/01/2021	790,338	787,099		25/01/2021	786,81	786,43	785,81	786,81		25/01/2021	780,098	778,372	777,319	778,171	777,035
27/01/2021	790,298	787,089		26/01/2021	786,81	786,42	785,85	786,83		26/01/2021	780,078	778,362	777,329	778,171	777,015
27/01/2021	790,318	787,119		26/01/2021	786,81	786,4	785,82	786,81		26/01/2021	780,098	778,352	777,299	778,181	777,025
28/01/2021	790,268	787,079		27/01/2021	786,81	786,41	785,84	786,81		27/01/2021	780,048	778,342	777,309	778,171	777,025
28/01/2021	790,278	787,079		27/01/2021	786,79	786,41	785,82	786,81		27/01/2021	780,078	778,352	777,299	778,151	777,015
29/01/2021	790,238	787,049		28/01/2021	786,79	786,41	785,84	786,8		28/01/2021	780,038	778,322	777,289	778,141	776,995
29/01/2021	790,238	787,049		28/01/2021	786,78	786,41	785,81	786,78		28/01/2021	780,048	778,332	777,299	778,141	777,015
30/01/2021	790,188	787,009		29/01/2021	786,79	786,42	785,83	786,81		29/01/2021	780,048	778,322	777,299	778,131	776,995
30/01/2021	790,198	787,019		29/01/2021	786,79	786,4	785,8	786,77		29/01/2021	779,998	778,302	777,279	778,111	776,985
31/01/2021	790,148	786,989		30/01/2021	786,79	786,42	785,85	786,8		30/01/2021	779,998	778,292	777,269	778,101	776,975
31/01/2021	790,148	786,989		30/01/2021	786,78	786,41	785,82	786,77		30/01/2021	780,008	778,312	777,269	778,091	776,965
01/02/2021	790,058	786,949		31/01/2021	786,79	786,38	785,82	786,77		31/01/2021	779,978	778,302	777,279	778,101	776,995
02/02/2021	790,008	786,939		01/02/2021	786,78	786,41	785,82	786,77		01/02/2021	780,008	778,312	777,279	778,101	776,985
02/02/2021	789,978	786,909		01/02/2021	786,77	786,41	785,8	786,76		01/02/2021	779,978	778,292	777,289	778,131	776,995
03/02/2021	789,908	786,909		02/02/2021	786,78	786,41	785,81	786,77		02/02/2021	780,038	778,292	777,289	778,111	776,975
03/02/2021	789,878	786,919		02/02/2021	786,77	786,43	785,84	786,78		02/02/2021	779,978	778,292	777,259	778,091	776,975
04/02/2021	789,838	786,899		03/02/2021	786,78	786,41	785,84	786,8		03/02/2021	780,038	778,272	777,259	778,081	776,965
04/02/2021	789,838	786,919		03/02/2021	786,78	786,38	785,81	786,77		03/02/2021	779,988	778,282	777,249	778,091	776,965
05/02/2021	789,848	786,929		04/02/2021	786,78	786,41	785,82	786,78		04/02/2021	779,958	778,272	777,279	778,091	776,965
05/02/2021	789,868	786,939		04/02/2021	786,78	786,4	785,82	786,77		04/02/2021	779,998	778,302	777,259	778,111	776,985
06/02/2021	789,878	786,929		05/02/2021	786,78	786,38	785,83	786,76		05/02/2021	779,998	778,292	777,319	778,111	776,995
06/02/2021	789,918	786,959		05/02/2021	786,77	786,37	785,8	786,75		05/02/2021	780,038	778,302	777,269	778,101	776,975
07/02/2021	789,948	786,949		06/02/2021	786,77	786,4	785,83	786,77		06/02/2021	780,008	778,312	777,279	778,111	776,985
07/02/2021	789,998	786,979		06/02/2021	786,77	786,38	785,82	786,78		06/02/2021	780,008	778,302	777,279	778,171	777,015
08/02/2021	790,048	787,169		07/02/2021	786,77	786,38	785,83	786,77		07/02/2021	779,998	778,322	777,289	778,171	777,005
08/02/2021	790,168	787,149		07/02/2021	786,78	786,45	785,84	786,84		07/02/2021	780,018	778,332	777,319		777,035
09/02/2021	790,258	787,149		08/02/2021	786,81	786,43	785,86	786,84		08/02/2021	780,048	778,362	777,339	778,881	777,055

09/02/2021	790,358	787,159		08/02/2021	786,81	786,42	785,86	786,81		08/02/2021	780,068	778,352	777,369	778,661	777,045
10/02/2021	790,408	787,169		09/02/2021	786,82	786,46	785,87	786,82		09/02/2021	780,008	778,332	777,349	778,561	777,055
10/02/2021	790,448	787,189		09/02/2021	786,82	786,46	785,87	786,83		09/02/2021	780,058	778,352	777,339	778,421	777,045
11/02/2021	790,468	787,179		10/02/2021	786,81	786,48	785,87	786,85		10/02/2021	780,028	778,342	777,329	778,451	777,055
11/02/2021	790,498	787,219		10/02/2021	786,82	786,47	785,86	786,85		10/02/2021	780,058	778,362	777,349	778,511	777,055
12/02/2021	790,488	787,189		11/02/2021	786,82	786,48	785,9	786,87		11/02/2021	780,088	778,352	777,349	778,541	777,045
12/02/2021	790,498	787,189		11/02/2021	786,83	786,46	785,86	786,87		11/02/2021	780,058	778,352	777,329	778,731	777,045
13/02/2021	790,538	787,189		12/02/2021	786,83	786,51	785,89	786,86		12/02/2021	780,068	778,352	777,309	778,831	777,045
13/02/2021	790,578	787,229		12/02/2021	786,82	786,51	785,91	786,9		12/02/2021	780,058	778,342	777,319	778,721	777,045
14/02/2021	790,568	787,239		13/02/2021	786,84	786,52	785,92	786,91		13/02/2021	780,048	778,362	777,329	778,661	777,055
14/02/2021	790,588	787,259		13/02/2021	786,84	786,5	785,87	786,87		13/02/2021	780,088	778,362	777,329	778,681	777,045
15/02/2021	790,588	787,259		14/02/2021	786,87	786,5	785,9	786,91		14/02/2021	780,068	778,362	777,329	778,731	777,045
15/02/2021	790,618	787,289		14/02/2021	786,85	786,48	785,87	786,87		14/02/2021	780,078	778,382	777,339	778,741	777,055
16/02/2021	790,608	787,269		15/02/2021	786,84	786,51	785,92	786,91		15/02/2021	780,078	778,382	777,349	778,781	777,065
16/02/2021	790,638	787,309		15/02/2021	786,85	786,47	785,91	786,85		15/02/2021	780,078	778,382	777,349	778,771	777,055
17/02/2021	790,718	787,529		16/02/2021	786,85	786,51	785,89	786,9		16/02/2021	780,078	778,362	777,369	778,651	777,065
17/02/2021	790,818	787,779		16/02/2021	786,85	786,5	785,86	786,88		16/02/2021	780,088	778,402	777,359	778,721	777,055
18/02/2021	790,908	787,759		17/02/2021	786,87	786,57	785,99	786,98		17/02/2021	780,088	778,442	777,439	780,561	777,165
18/02/2021	790,958	787,699		17/02/2021	786,88	786,67	786,06	787,11		17/02/2021	780,148	778,502	777,509	780,841	777,225
19/02/2021	790,978	787,769		18/02/2021	786,88	786,67	786,03	787,07		18/02/2021	780,178	778,532	777,499	780,461	777,245
19/02/2021	791,028	787,719		18/02/2021	786,9	786,65	786	787,04		18/02/2021	780,148	778,542	777,499	779,871	777,225
20/02/2021	790,998	787,679		19/02/2021	786,93	786,75	786,13	787,17		19/02/2021	780,258	778,592	777,559	780,471	777,305
20/02/2021	791,038	787,689		19/02/2021	786,94	786,71	786,06	787,13		19/02/2021	780,268	778,602	777,529	780,281	777,295
21/02/2021	791,018	787,659		20/02/2021	786,95	786,76	786,1	787,15		20/02/2021	780,278	778,592	777,509	780,411	777,275
21/02/2021	791,028	787,669		20/02/2021	786,95	786,73	786,07	787,13		20/02/2021	780,258	778,612	777,549	780,281	777,255
22/02/2021	791,018	787,649		21/02/2021	786,94	786,75	786,09	787,13		21/02/2021	780,298	778,602	777,499	780,061	777,255
22/02/2021	791,018	787,639		21/02/2021	786,97	786,74	786,08	787,13		21/02/2021	780,288	778,602	777,519	779,911	777,255
23/02/2021	791,008	787,599		22/02/2021	786,96	786,74	786,1	787,15		22/02/2021	780,238	778,602	777,509	779,811	777,245
23/02/2021	790,998	787,619		22/02/2021	786,97	786,75	786,09	787,12		22/02/2021	780,328	778,592	777,499	779,781	777,235
24/02/2021	790,968	787,579		23/02/2021	786,99	786,79	786,07	787,16		23/02/2021	780,298	778,592	777,509	779,521	777,235
24/02/2021	790,978	787,609		23/02/2021	787	786,76	786,09	787,15		23/02/2021	780,228	778,592	777,499	779,491	777,235
25/02/2021	790,948	787,569		24/02/2021	786,99	786,76	786,1	787,15		24/02/2021	780,278	778,582	777,489	779,531	777,235
25/02/2021	790,948	787,599		24/02/2021	787	786,75	786,07	787,14		24/02/2021	780,278	778,602	777,499	779,651	777,235
26/02/2021	790,918	787,579		25/02/2021	787	786,78	786,08	787,16		25/02/2021	780,278	778,612	777,489	779,601	777,245

26/02/2021	790,918	787,569		25/02/2021	787	786,75	786,06	787,11		25/02/2021	780,308	778,592	777,489	779,611	777,235
27/02/2021	790,898	787,549		26/02/2021	787,01	786,76	786,06	787,13		26/02/2021	780,288	778,602	777,499	779,511	777,245
27/02/2021	790,908	787,609		26/02/2021	787	786,74	786,07	787,12		26/02/2021	780,248	778,612	777,449	779,551	777,245
28/02/2021	790,958	787,649		27/02/2021	787,01	786,79	786,09	787,15		27/02/2021	780,288	778,592	777,469	779,781	777,255
28/02/2021	791,028	787,669		27/02/2021	787,01	786,8	786,11	787,21		27/02/2021	780,298	778,622	777,509	780,601	777,295
01/03/2021	791,028	787,639		28/02/2021	787,03	786,8	786,14	787,18		28/02/2021	780,308	778,662	777,529	780,281	777,295
01/03/2021	791,028	787,639		28/02/2021	787,03	786,78	786,1	787,17		28/02/2021	780,298	778,682	777,549	780,161	777,285
02/03/2021	791,038	787,619		01/03/2021	787,02	786,78	786,1	787,15		01/03/2021	780,278	778,662	777,539	779,921	777,295
02/03/2021	791,048	787,609		02/03/2021	787,03	786,78	786,11	787,16		02/03/2021	780,268	778,662	777,559	779,911	777,285
03/03/2021	790,998	787,599		02/03/2021	787,03	786,75	786,08	787,13		02/03/2021	780,308	778,652	777,529	779,861	777,285
03/03/2021	791,038	787,599		03/03/2021	787,02	786,8	786,11	787,16		03/03/2021	780,288	778,652	777,509	779,861	777,295
04/03/2021	791,028	787,579		03/03/2021	787,05	786,75	786,09	787,13		03/03/2021	780,298	778,672	777,549	779,871	777,295
04/03/2021	791,038	787,609		04/03/2021	787,03	786,74	786,1	787,13		04/03/2021	780,248	778,652	777,519	779,771	777,295
05/03/2021	790,998	787,599		04/03/2021	787,05	786,73	786,06	787,11		04/03/2021	780,308	778,652	777,519	779,651	777,295
05/03/2021	790,998	787,579		05/03/2021	787,02	786,73	786,06	787,11		05/03/2021	780,288	778,662	777,549	779,591	777,285
06/03/2021	790,968	787,579		05/03/2021	787,03	786,7	786,05	787,08		05/03/2021	780,318	778,652	777,519	779,611	777,285
06/03/2021	790,948	787,579		06/03/2021	787,03	786,69	786,06	787,06		06/03/2021	780,318	778,652	777,529	779,421	777,285
07/03/2021	790,948	787,569		06/03/2021	787,03	786,67	786,07	787,08		06/03/2021	780,318	778,652	777,529	779,541	777,285
07/03/2021	790,988	787,589		07/03/2021	787,03	786,69	786,07	787,07		07/03/2021	780,258	778,652	777,519	779,461	777,265
08/03/2021	790,978	787,579		07/03/2021	787,02	786,67	786,07	787,02		07/03/2021	780,288	778,642	777,539	779,331	777,275
08/03/2021	790,998	787,609		08/03/2021	787,02	786,65	786,02	787,04		08/03/2021	780,278	778,642	777,489	778,781	777,275
09/03/2021	791,018	787,629		08/03/2021	787,03	786,66	786,05	787,06		08/03/2021	780,238	778,652	777,539	778,851	777,285
09/03/2021	791,058	787,659		09/03/2021	787,02	786,65	786,03	787,03		09/03/2021	780,278	778,642	777,539	778,741	777,285
10/03/2021	791,058	787,669		09/03/2021	787,01	786,62	786	787,02		09/03/2021	780,278	778,652	777,529	778,781	777,275
10/03/2021	791,078	787,669		10/03/2021	787	786,64	786,01	787,01		10/03/2021	780,268	778,632	777,529	778,751	777,275
11/03/2021	791,048	787,639		10/03/2021	786,99	786,61	786	786,98		10/03/2021	780,218	778,632	777,519	778,791	777,265
11/03/2021	791,058	787,659		11/03/2021	786,97	786,62	786,02	787,01		11/03/2021	780,168	778,602	777,529	778,731	777,255
12/03/2021	791,038	787,639		11/03/2021	786,99	786,61	786,01	787,02		11/03/2021	780,238	778,592	777,499	778,721	777,255
12/03/2021	791,058	787,719		12/03/2021	786,96	786,65	786,01	787,02		12/03/2021	780,208	778,602	777,519	778,631	777,235
13/03/2021	791,088	787,789		12/03/2021	786,97	786,69	786,08	787,09		12/03/2021	780,198	778,652	777,579	778,901	777,335
13/03/2021	791,128	787,799		13/03/2021	786,99	786,73	786,11	787,15		13/03/2021	780,228	778,672	777,579	778,911	777,355
14/03/2021	791,118	787,779		13/03/2021	787	786,69	786,06	787,07		13/03/2021	780,198	778,682	777,589	778,761	777,335
14/03/2021	791,128	787,789		14/03/2021	786,99	786,73	786,08	787,11		14/03/2021	780,208	778,662	777,589	778,661	777,325
15/03/2021	791,118	787,759		14/03/2021	786,99	786,7	786,05	787,09		14/03/2021	780,248	778,662	777,559	778,681	777,325

15/03/2021	791,108	787,759		15/03/2021	787,1	786,69	786,06	787,08		15/03/2021	780,188	778,662	777,589	778,661	777,325
16/03/2021	791,078	787,729		15/03/2021	787,02	786,69	786,05	787,06		15/03/2021	780,208	778,662	777,559	778,681	777,315
16/03/2021	791,058	787,719		16/03/2021	787,01	786,69	786,05	787,06		16/03/2021	780,188	778,662	777,569	778,651	777,305
17/03/2021	791,018	787,689		16/03/2021	787,01	786,65	786,02	787,04		16/03/2021	780,198	778,662		778,671	777,315
17/03/2021	791,018	787,679		17/03/2021	787,01	786,67	786,03	787,05		17/03/2021	780,178	778,652	777,549	778,641	777,305
18/03/2021	790,978	787,669		17/03/2021	787	786,65	786	787,04		17/03/2021		778,652	777,529	778,681	777,315
18/03/2021	790,978	787,639		18/03/2021	787,01	786,66	786	787,06		18/03/2021	780,188	778,622	777,529	778,671	777,295
19/03/2021	790,938	787,629		18/03/2021	787	786,66	786	787,02		18/03/2021	780,158	778,642	777,539	778,671	777,295
19/03/2021	790,948	787,609		19/03/2021	786,99	786,69	786,01	787,06		19/03/2021	780,178	778,622	777,509	778,621	777,285
20/03/2021	790,898	787,559		19/03/2021	787,01	786,66	786,01	787,05		19/03/2021	780,208	778,622	777,509	778,801	777,275
20/03/2021	790,908	787,549		20/03/2021	787,01	786,7	786,05	787,08		20/03/2021	780,138	778,612	777,519	778,751	777,275
21/03/2021	790,888	787,539		20/03/2021	787,01	786,7	786,03	787,08		20/03/2021	780,138	778,602	777,529	778,671	777,275
21/03/2021	790,888	787,549		21/03/2021	787,01	786,7	786,06	787,09		21/03/2021	780,158	778,602	777,509	778,671	777,285
22/03/2021	790,878	787,519		21/03/2021	787,01	786,69	786,05	787,08		21/03/2021	780,158	778,602	777,499	778,681	777,285
22/03/2021	790,888	787,539		22/03/2021	787	786,71	786,05	787,09		22/03/2021	780,118	778,602	777,519	778,631	777,265
23/03/2021	790,858	787,489		22/03/2021	787	786,7	786,02	787,06		22/03/2021	780,138	778,622	777,529	778,601	777,265
23/03/2021	790,878	787,499		23/03/2021	787,02	786,7	786,02	787,07		23/03/2021	780,068	778,602	777,539	778,571	777,265
24/03/2021	790,838	787,469		23/03/2021	787,01	786,7	786,01	787,07		23/03/2021	780,118	778,622	777,529	778,581	777,265
24/03/2021	790,858	787,489		24/03/2021	787,02	786,71	786,05	787,07		24/03/2021	780,158	778,592	777,509	778,561	777,265
25/03/2021	790,818	787,429		24/03/2021	787,02	786,69	786	787,05		24/03/2021	780,088	778,612	777,499	778,601	777,255
25/03/2021	790,818	787,459		25/03/2021	787,02	786,73	786,05	787,05		25/03/2021	780,088	778,592	777,509	778,581	777,255
26/03/2021	790,798	787,419		25/03/2021	787,02	786,67	786,02	787,05		25/03/2021	780,158	778,582	777,519	778,571	777,255
26/03/2021	790,818	787,429		26/03/2021	787,02	786,69	786,03	787,07		26/03/2021	780,118	778,582	777,519	778,571	777,235
27/03/2021	790,798	787,409		26/03/2021	787,02	786,7	786,02	787,06		26/03/2021	780,088	778,582	777,489	778,491	777,255
27/03/2021	790,798	787,409		27/03/2021	787,03	786,69	786,03	787,08		27/03/2021	780,068	778,572	777,529	778,481	777,245
28/03/2021	790,778	787,389		27/03/2021	787,03	786,69	786	787,05		27/03/2021	780,108	778,582	777,499	778,491	777,235
28/03/2021	790,778	787,409		28/03/2021	787,01	786,67	786,01	787,08		28/03/2021	780,068	778,572	777,479	778,461	777,215
29/03/2021	790,758	787,379		28/03/2021	787,02	786,64	786	787,02		28/03/2021	780,098	778,562	777,519	778,471	777,225
29/03/2021	790,768	787,389		29/03/2021	787,01	786,69	786,01	787,06		29/03/2021	780,038	778,542	777,489	778,451	777,235
30/03/2021	790,748	787,369		29/03/2021	787,01	786,67	786,01	787,04		29/03/2021	780,058	778,562	777,499	778,471	777,235
30/03/2021	790,748	787,369		30/03/2021	787,01	786,66	786,01	787,04		30/03/2021	780,068	778,552	777,479	778,461	777,215
31/03/2021	790,728	787,359		30/03/2021	787,01	786,64	785,97	787,03		30/03/2021	780,008	778,552	777,479	778,461	777,225
31/03/2021	790,718	787,349		31/03/2021	787	786,64	785,99	787,03		31/03/2021	780,048	778,552	777,479	778,461	777,235
				31/03/2021	787,02	786,65	785,95	787,02		31/03/2021	780,008	778,542	777,469	778,461	777,225

**Barragem B**

Data	INA-1	INA-2	INA-3	INA-4	INA-5	INA-6	INA-7	INA-8	INA-9	INA-10	INA-11	INA-12	INA-13	INA-14
01/10/2020	s	795,821	s	798,036	s	785,244	798,929	s	785,182	s	s	s	s	s
01/10/2020	s	795,871	s	798,066	s	785,244	798,939	s	785,162	s	s	s	s	s
02/10/2020	s	795,841	s	798,036	s	785,244	798,909	s	785,162	s	s	s	s	s
02/10/2020	s	795,861	s	798,056	s	785,234	798,939	s	785,172	s	s	s	s	s
03/10/2020	s	795,841	s	798,016	s	785,224	798,899	s	785,162	s	s	s	s	s
03/10/2020	s	795,861	s	798,036	s	785,234	798,929	s	785,152	s	s	s	s	s
04/10/2020	s	795,801	s	798,006	s	785,214	798,879	s	785,152	s	s	s	s	s
04/10/2020	s	795,841	s	798,006	s	785,244	798,899	s	785,152	s	s	s	s	s
05/10/2020	s	795,811	s	797,986	s	785,224	798,859	s	785,142	s	s	s	s	s
05/10/2020	s	795,811	s	798,006	s	785,244	798,889	s	785,122	s	s	s	s	s
06/10/2020	s	795,791	s	797,976	s	785,214	798,859	s	785,132	s	s	s	s	s
06/10/2020	s	795,811	s	797,996	s	785,224	798,869	s	785,132	s	s	s	s	s
07/10/2020	s	795,781	s	797,956	s	785,224	798,839	s	785,122	s	s	s	s	s
07/10/2020	s	795,791	s	797,966	s	785,224	798,869	s	785,132	s	s	s	s	s
08/10/2020	s	795,781	s	797,946	s	785,224	798,829	s	785,112	s	s	s	s	s
08/10/2020	s	795,801	s	797,976	s	785,234	798,849	s	785,112	s	s	s	s	s
09/10/2020	s	795,801	s	797,966	s	785,224	798,839	s	785,102	s	s	s	s	s
09/10/2020	s	795,801	s	797,966	s	785,214	798,859	s	785,092	s	s	s	s	s
10/10/2020	s	795,781	s	797,956	s	785,224	798,819	s	785,092	s	s	s	s	s
10/10/2020	s	795,791	s	797,986	s	785,214	798,829	s	785,102	s	s	s	s	s
11/10/2020	s	795,731	s	797,906	s	785,214	798,779	s	785,092	s	s	s	s	s
11/10/2020	s	795,771	s	797,936	s	785,214	798,809	s	785,092	s	s	s	s	s
12/10/2020	s	795,711	s	797,886	s	785,204	798,759	s	785,082	s	s	s	s	s
12/10/2020	s	795,751	s	797,886	s	785,204	798,779	s	785,072	s	s	s	s	s
13/10/2020	s	795,731	s	797,876	s	785,224	798,759	s	785,072	s	s	s	s	s
13/10/2020	s	795,741	s	797,906	s	785,204	798,779	s	785,072	s	s	s	s	s
14/10/2020	s	795,711	s	797,876	s	785,224	798,749	s	785,062	s	s	s	s	s
14/10/2020	s	795,731	s	797,896	s	785,204	798,769	s	785,062	s	s	s	s	s

15/10/2020	s	795,701	s	797,846	s	785,194	798,729	s	785,062	s	s	s	s	s
15/10/2020	s	795,711	s	797,876	s	785,204	798,739	s	785,052	s	s	s	s	s
16/10/2020	s	795,691	s	797,846	s	785,204	798,729	s	785,042	s	s	s	s	s
16/10/2020	s	795,701	s	797,846	s	785,194	798,739	s	785,052	s	s	s	s	s
17/10/2020	s	795,691	s	797,836	s	785,204	798,709	s	785,052	s	s	s	s	s
17/10/2020	s	795,701	s	797,836	s	785,194	798,739	s	785,042	s	s	s	s	s
18/10/2020	s	795,671	s	797,836	s	785,204	798,739	s	785,042	s	s	s	s	s
18/10/2020	s	795,711	s	797,856	s	785,184	798,739	s	785,042	s	s	s	s	s
19/10/2020	s	795,671	s	797,826	s	785,204	798,709	s	785,042	s	s	s	s	s
19/10/2020	s	795,681	s	797,816	s	785,194	798,719	s	785,042	s	s	s	s	s
20/10/2020	s	795,641	s	797,796	s	785,184	798,689	s	785,042	s	s	s	s	s
20/10/2020	s	795,671	s	797,796	s	785,184	798,679	s	785,032	s	s	s	s	s
21/10/2020	s	795,651	s	797,776	s	785,184	798,649	s	785,022	s	s	s	s	s
21/10/2020	s	795,651	s	797,796	s	785,184	798,679	s	785,032	s	s	s	s	s
22/10/2020	s	795,641	s	797,786	s	785,184	798,649	s	785,012	s	s	s	s	s
22/10/2020	s	795,661	s	797,796	s	785,184	798,689	s	785,022	s	s	s	s	s
23/10/2020	s	795,631	s	797,766	s	785,184	798,659	s	785,002	s	s	s	s	s
23/10/2020	s	795,641	s	797,796	s	785,194	798,689	s	785,052	s	s	s	s	s
24/10/2020	s	795,641	s	797,776	s	785,194	798,679	s	785,062	s	s	s	s	s
24/10/2020	s	795,661	s	797,806	s	785,184	798,709	s	785,062	s	s	s	s	s
25/10/2020	s	795,641	s	797,796	s	785,184	798,679	s	785,052	s	s	s	s	s
25/10/2020	s	795,661	s	797,816	s	785,184	798,709	s	785,042	s	s	s	s	s
26/10/2020	s	795,641	s	797,806	s	785,184	798,699	s	785,032	s	s	s	s	s
26/10/2020	s	795,631	s	797,806	s	785,174	798,699	s	785,022	s	s	s	s	s
27/10/2020	s	795,631	s	797,806	s	785,194	798,709	s	785,062	s	s	s	s	s
27/10/2020	s	795,641	s	797,826	s	785,184	798,729	s	785,072	s	s	s	s	s
28/10/2020	s	795,621	s	797,806	s	785,164	798,689	s	785,052	s	s	s	s	s
28/10/2020	s	795,621	s	797,806	s	785,184	798,699	s	785,052	s	s	s	s	s
29/10/2020	s	795,601	s	797,766	s	785,164	798,649	s	785,022	s	s	s	s	s
29/10/2020	s	795,601	s	797,786	s	785,184	798,699	s	785,032	s	s	s	s	s
30/10/2020	s	795,571	s	797,766	s	785,174	798,669	s	785,032	s	s	s	s	s
30/10/2020	s	795,601	s	797,766	s	785,184	798,659	s	785,022	s	s	s	s	s

31/10/2020	s	795,571	s	797,756	s	785,184	798,659	s	785,022	s	s	s	s	s
31/10/2020	s	#N/D	s	797,766	s	785,204	798,669	s	785,022	s	s	s	s	s
01/11/2020	s	795,581	s	797,766	s	785,194	798,679	s	785,122	s	s	s	s	s
01/11/2020	s	795,601	s	797,786	s	785,184	798,709	s	785,102	s	s	s	s	s
02/11/2020	s	795,571	s	797,756	s	785,194	798,669	s	785,082	s	s	s	s	s
02/11/2020	s	795,591	s	797,776	s	785,184	798,699	s	785,052	s	s	s	s	s
03/11/2020	s	795,551	s	797,746	s	785,174	798,669	s	785,042	s	s	s	s	s
04/11/2020	s	795,531	s	797,726	s	785,184	798,649	s	785,032	s	s	s	s	s
04/11/2020	s	795,571	s	797,756	s	785,194	798,679	s	785,022	s	s	s	s	s
05/11/2020	s	795,551	s	797,746	s	785,164	798,659	s	785,022	s	s	s	s	s
06/11/2020	s	795,541	s	797,736	s	785,174	798,629	s	785,022	s	s	s	s	s
06/11/2020	s	795,551	s	797,736	s	785,184	798,649	s	785,002	s	s	s	s	s
07/11/2020	s	795,501	s	797,686	s	785,174	798,619	s	785,022	s	s	s	s	s
08/11/2020	s	795,501	s	797,676	s	785,174	798,589	s	785,002	s	s	s	s	s
08/11/2020	s	795,521	s	797,696	s	785,194	798,609	s	785,002	s	s	s	s	s
09/11/2020	s	795,501	s	797,666	s	785,184	798,599	s	784,992	s	s	s	s	s
09/11/2020	s	795,551	s	797,726	s	785,184	798,629	s	784,992	s	s	s	s	s
10/11/2020	s	795,491	s	797,666	s	785,154	798,569	s	784,992	s	s	s	s	s
10/11/2020	s	795,521	s	797,696	s	785,174	798,599	s	785,002	s	s	s	s	s
11/11/2020	s	795,511	s	797,686	s	785,164	798,589	s	784,982	s	s	s	s	s
11/11/2020	s	795,531	s	797,676	s	785,174	798,599	s	784,992	s	s	s	s	s
12/11/2020	s	795,511	s	797,676	s	785,164	798,599	s	785,002	s	s	s	s	s
12/11/2020	s	795,521	s	797,696	s	785,164	798,579	s	784,982	s	s	s	s	s
13/11/2020	s	795,491	s	797,666	s	785,174	798,589	s	784,982	s	s	s	s	s
13/11/2020	s	795,511	s	797,686	s	785,164	798,599	s	784,982	s	s	s	s	s
14/11/2020	s	795,481	s	797,656	s	785,154	798,569	s	784,982	s	s	s	s	s
14/11/2020	s	795,501	s	797,676	s	785,164	798,579	s	784,982	s	s	s	s	s
15/11/2020	s	795,481	s	797,646	s	785,164	798,559	s	784,982	s	s	s	s	s
16/11/2020	s	795,481	s	797,656	s	785,174	798,559	s	784,982	s	s	s	s	s
16/11/2020	s	795,511	s	797,676	s	785,164	798,589	s	784,982	s	s	s	s	s
17/11/2020	s	795,501	s	797,656	s	785,174	798,569	s	784,962	s	s	s	s	s
18/11/2020	s	795,461	s	797,646	s	785,164	798,559	s	784,952	s	s	s	s	s



18/11/2020	s	795,481	s	797,656	s	785,164	798,559	s	784,982	s	s	s	s	s
19/11/2020	s	795,471	s	797,626	s	785,164	798,549	s	784,962	s	s	s	s	s
19/11/2020	s	795,491	s	797,656	s	785,154	798,559	s	784,962	s	s	s	s	s
20/11/2020	s	795,471	s	797,626	s	785,164	798,519	s	784,962	s	s	s	s	s
20/11/2020	s	795,451	s	797,636	s	785,154	798,549	s	784,952	s	s	s	s	s
21/11/2020	s	795,441	s	797,606	s	785,154	798,509	s	784,962	s	s	s	s	s
21/11/2020	s	795,451	s	797,606	s	785,154	798,519	s	784,952	s	s	s	s	s
22/11/2020	s	795,411	s	797,566	s	785,144	798,479	s	784,962	s	s	s	s	s
22/11/2020	s	795,431	s	797,586	s	785,154	798,509	s	784,962	s	s	s	s	s
23/11/2020	s	795,391	s	797,556	s	785,154	798,469	s	784,952	s	s	s	s	s
23/11/2020	s	795,401	s	797,556	s	785,154	798,459	s	784,932	s	s	s	s	s
24/11/2020	s	795,381	s	797,536	s	785,144	798,439	s	784,962	s	s	s	s	s
24/11/2020	s	795,391	s	797,556	s	785,154	798,469	s	784,952	s	s	s	s	s
25/11/2020	s	795,391	s	797,536	s	785,154	798,459	s	784,942	s	s	s	s	s
25/11/2020	s	795,411	s	797,556	s	785,154	798,489	s	784,942	s	s	s	s	s
26/11/2020	s	795,391	s	797,556	s	785,144	798,479	s	784,942	s	s	s	s	s
26/11/2020	s	795,411	s	797,556	s	785,154	798,489	s	784,942	s	s	s	s	s
27/11/2020	s	795,391	s	797,526	s	785,134	798,449	s	784,932	s	s	s	s	s
27/11/2020	s	795,401	s	797,556	s	785,134	798,479	s	784,942	s	s	s	s	s
28/11/2020	s	795,371	s	797,526	s	785,124	798,429	s	784,932	s	s	s	s	s
28/11/2020	s	795,391	s	797,536	s	785,124	798,449	s	784,922	s	s	s	s	s
29/11/2020	s	795,371	s	797,506	s	785,114	798,429	s	784,922	s	s	s	s	s
29/11/2020	s	795,391	s	797,536	s	785,124	798,449	s	784,922	s	s	s	s	s
30/11/2020	s	795,371	s	797,516	s	785,114	798,439	s	784,922	s	s	s	s	s
30/11/2020	s		s	797,546	s		798,459	s	784,912	s	s	s	s	s
01/12/2020	s	795,381	s	797,516	s	785,104	798,449	s	784,912	s	s	s	s	s
01/12/2020	s	795,401	s	797,546	s	785,134	798,479	s	784,932	s	s	s	s	s
02/12/2020	s	795,371	s	797,526	s	785,114	798,449	s	784,922	s	s	s	s	s
02/12/2020	s	795,381	s	797,526	s	785,144	798,449	s	784,932	s	s	s	s	s
03/12/2020	s	795,361	s	797,516	s	785,114	798,419	s	784,922	s	s	s	s	s
03/12/2020	s	795,371	s	797,526	s	785,114	798,439	s	784,932	s	s	s	s	s
04/12/2020	s	795,351	s	797,486	s	785,104	798,399	s	784,922	s	s	s	s	s

04/12/2020	s	795,371	s	797,496	s	785,114	798,429	s	784,912	s	s	s	s	s
05/12/2020	s	795,341	s	797,486	s	785,114	798,409	s	784,912	s	s	s	s	s
05/12/2020	s	795,361	s	797,506	s	785,124	798,439	s	784,912	s	s	s	s	s
06/12/2020	s	795,351	s	797,506	s	785,124	798,429	s	784,912	s	s	s	s	s
06/12/2020	s	795,361	s	797,516	s	785,144	798,429	s	784,922	s	s	s	s	s
07/12/2020	s	795,321	s	797,496	s	785,254	798,389	s	785,052	s	s	s	s	s
07/12/2020	s	795,341	s	797,506	s	785,184	798,469	s	785,122	s	s	s	s	s
08/12/2020	s	795,331	s	797,516	s	785,174	798,479	s	785,112	s	s	s	s	s
08/12/2020	s	795,341	s	797,546	s	785,184	798,529	s	785,082	s	s	s	s	s
09/12/2020	s	795,331	s	797,546	s	785,244	798,529	s	785,182	s	s	s	s	s
09/12/2020	s	795,341	s	797,576	s	785,224	798,579	s	785,182	s	s	s	s	s
10/12/2020	s	795,351	s	797,576	s	785,204	798,579	s	785,152	s	s	s	s	s
10/12/2020	s	795,331	s	797,596	s	785,204	798,599	s	785,142	s	s	s	s	s
11/12/2020	s	795,311	s	797,576	s	785,234	798,589	s	785,152	s	s	s	s	s
11/12/2020	s	795,321	s	797,586	s	785,274	798,579	s	785,212	s	s	s	s	s
12/12/2020	s	795,321	s	797,586	s	785,234	798,609	s	785,252	s	s	s	s	s
12/12/2020	s	795,331	s	797,646	s	785,244	798,669	s	785,232	s	s	s	s	s
13/12/2020	s	795,321	s	797,636	s	785,244	798,669	s	785,232	s	s	s	s	s
13/12/2020	s	795,321	s	797,666	s	785,244	798,719	s	785,232	s	s	s	s	s
14/12/2020	s	795,351	s	797,716	s	785,254	798,749	s	785,212	s	s	s	s	s
15/12/2020	s	795,341	s	797,716	s	785,234	798,749	s	785,212	s	s	s	s	s
15/12/2020	s	795,361	s	797,726	s	785,254	798,759	s	785,212	s	s	s	s	s
16/12/2020	s	795,331	s	797,716	s	785,244	798,739	s	785,212	s	s	s	s	s
16/12/2020	s	795,351	s	797,746	s	785,244	798,779	s	785,212	s	s	s	s	s
17/12/2020	s	795,331	s	797,726	s	785,234	798,759	s	785,212	s	s	s	s	s
17/12/2020	s	795,351	s	797,756	s	785,244	798,789	s	785,222	s	s	s	s	s
18/12/2020	s	795,371	s	797,756	s	785,254	798,789	s	785,212	s	s	s	s	s
18/12/2020	s	795,381	s	797,786	s	785,254	798,799	s	785,252	s	s	s	s	s
19/12/2020	s	795,381	s	797,766	s	785,244	798,839	s	785,252	s	s	s	s	s
19/12/2020	s	795,401	s	797,826	s	785,234	798,879	s	785,252	s	s	s	s	s
20/12/2020	s	795,351	s	797,796	s	785,264	798,859	s	785,252	s	s	s	s	s
20/12/2020	s	795,391	s	797,836	s	785,254	798,899	s	785,262	s	s	s	s	s

21/12/2020	S	795,381	S	797,836	S	785,274	798,919	S	785,262	S	S	S	S	S
21/12/2020	S	795,391	S	797,866	S	785,254	798,949	S	785,262	S	S	S	S	S
22/12/2020	S	795,401	S	797,866	S	785,274	798,959	S	785,272	S	S	S	S	S
22/12/2020	S	795,401	S	797,886	S	785,274	798,979	S	785,272	S	S	S	S	S
23/12/2020	S	795,421	S	797,896	S	785,274	798,979	S	785,272	S	S	S	S	S
24/12/2020	S	795,421	S	797,926	S	785,264	799,019	S	785,282	S	S	S	S	S
24/12/2020	S	795,451	S	797,956	S	785,284	799,039	S	785,272	S	S	S	S	S
25/12/2020	S	795,441	S	797,946	S	785,274	799,039	S	785,282	S	S	S	S	S
25/12/2020	S	795,471	S	797,986	S	785,274	799,079	S	785,292	S	S	S	S	S
26/12/2020	S	795,471	S	797,996	S	785,254	799,079	S	785,282	S	S	S	S	S
26/12/2020	S	795,461	S	798,006	S	785,274	799,109	S	785,292	S	S	S	S	S
27/12/2020	S	795,471	S	797,996	S	785,264	799,079	S	785,282	S	S	S	S	S
27/12/2020	S	795,461	S	797,996	S	785,254	799,079	S	785,282	S	S	S	S	S
28/12/2020	S	795,441	S	797,996	S	785,254	799,079	S	785,282	S	S	S	S	S
28/12/2020	S	795,481	S	798,016	S	785,264	799,099	S	785,292	S	S	S	S	S
29/12/2020	S	795,491	S	798,016	S	785,274	799,099	S	785,292	S	S	S	S	S
29/12/2020	S	795,511	S	798,036	S	785,264	799,099	S	785,292	S	S	S	S	S
30/12/2020	S	795,511	S	798,026	S	785,254	799,069	S	785,282	S	S	S	S	S
30/12/2020	S	795,521	S	798,026	S	785,264	799,049	S	785,292	S	S	S	S	S
31/12/2020	S	795,501	S	797,986	S	785,254	798,989	S	785,272	S	S	S	S	S
31/12/2020	S	795,511	S	797,986	S	785,264	798,959	S	785,272	S	S	S	S	S
01/01/2021	S	795,501	S	797,976	S	785,254	798,919	S	785,262	S	S	S	S	S
01/01/2021	S	795,521	S	797,966	S	785,264	798,899	S	785,262	S	S	S	S	S
02/01/2021	S	795,521	S	797,946	S	785,254	798,879	S	785,232	S	S	S	S	S
02/01/2021	S	795,541	S	797,966	S	785,244	798,889	S	785,242	S	S	S	S	S
03/01/2021	S	795,531	S	797,946	S	785,254	798,869	S	785,252	S	S	S	S	S
03/01/2021	S	795,541	S	797,946	S	785,234	798,849	S	785,242	S	S	S	S	S
04/01/2021	S	795,501	S	797,906	S	785,234	798,809	S	785,222	S	S	S	S	S
04/01/2021	S	795,541	S	797,926	S	785,244	798,809	S	785,242	S	S	S	S	S
05/01/2021	S	795,541	S	797,926	S	785,234	798,789	S	785,242	S	S	S	S	S
05/01/2021	S	795,571	S	797,926	S	785,234	798,799	S	785,232	S	S	S	S	S
06/01/2021	S	795,551	S	797,906	S	785,244	798,759	S	785,232	S	S	S	S	S

06/01/2021	S	795,561	S	797,916	S	785,234	798,779	S	785,232	S	S	S	S	S
07/01/2021	S	795,531	S	797,896	S	785,234	798,739	S	785,222	S	S	S	S	S
08/01/2021	S	795,531	S	797,876	S	785,244	798,739	S	785,232	S	S	S	S	S
08/01/2021	S	795,541	S	797,916	S	785,254	798,769	S	785,212	S	S	S	S	S
09/01/2021	S	795,541	S	797,896	S	785,244	798,769	S	785,222	S	S	S	S	S
09/01/2021	S	795,521	S	797,896	S	785,244	798,749	S	785,222	S	S	S	S	S
10/01/2021	S	795,511	S	797,866	S	785,234	798,739	S	785,232	S	S	S	S	S
10/01/2021	S	795,531	S	797,896	S	785,244	798,769	S	785,212	S	S	S	S	S
11/01/2021	S	795,521	S	797,856	S	785,234	798,749	S	785,222	S	S	S	S	S
11/01/2021	S	795,531	S	797,876	S	785,254	798,769	S	785,202	S	S	S	S	S
12/01/2021	S	795,491	S	797,846	S	785,224	798,729	S	785,212	S	S	S	S	S
12/01/2021	S	795,511	S	797,876	S	785,254	798,739	S	785,222	S	S	S	S	S
13/01/2021	S	795,491	S	797,856	S	785,244	798,719	S	785,212	S	S	S	S	S
13/01/2021	S	795,511	S	797,886	S	785,234	798,739	S	785,222	S	S	S	S	S
14/01/2021	S	795,471	S	797,856	S	785,224	798,729	S	785,212	S	S	S	S	S
14/01/2021	S	795,491	S	797,856	S	785,244	798,729	S	785,232	S	S	S	S	S
15/01/2021	S	795,471	S	797,836	S	785,244	798,719	S	785,232	S	S	S	S	S
15/01/2021	S	795,501	S	797,856	S	785,234	798,749	S	785,232	S	S	S	S	S
16/01/2021	S	795,461	S	797,846	S	785,244	798,739	S	785,232	S	S	S	S	S
16/01/2021	S	795,481	S	797,856	S	785,234	798,759	S	785,232	S	S	S	S	S
17/01/2021	S	795,461	S	797,846	S	785,234	798,759	S	785,222	S	S	S	S	S
17/01/2021	S	795,481	S	797,856	S	785,254	798,769	S	785,232	S	S	S	S	S
18/01/2021	S	795,461	S	797,836	S	785,234	798,749	S	785,222	S	S	S	S	S
18/01/2021	S	795,461	S	797,856	S	785,244	798,779	S	785,222	S	S	S	S	S
19/01/2021	S	795,361	S	797,836	S	785,234	798,729	S	785,222	S	S	S	S	S
19/01/2021	S	795,471	S	797,846	S	785,234	798,769	S	785,222	S	S	S	S	S
20/01/2021	S	795,431	S	797,826	S	785,224	798,739	S	785,212	S	S	S	S	S
20/01/2021	S	795,451	S	797,846	S	785,234	798,759	S	785,202	S	S	S	S	S
21/01/2021	S	795,431	S	797,836	S	785,224	798,749	S	785,212	S	S	S	S	S
21/01/2021	S	795,431	S	797,836	S	785,244	798,759	S	785,212	S	S	S	S	S
22/01/2021	S	795,411	S	797,816	S	785,234	798,719	S	785,232	S	S	S	S	S
22/01/2021	S	795,421	S	797,826	S	785,244	798,739	S	785,212	S	S	S	S	S

23/01/2021	S	795,421	S	797,806	S	785,234	798,719	S	785,222	S	S	S	S	S
23/01/2021	S	795,451	S	797,836	S	785,234	798,759	S	785,202	S	S	S	S	S
24/01/2021	S	795,421	S	797,826	S	785,224	798,739	S	785,212	S	S	S	S	S
24/01/2021	S	795,451	S	797,846	S	785,234	798,749	S	785,202	S	S	S	S	S
25/01/2021	S	795,441	S	797,836	S	785,224	798,749	S	785,192	S	S	S	S	S
25/01/2021	S	795,451	S	797,846	S	785,224	798,759	S	785,212	S	S	S	S	S
26/01/2021	S	795,431	S	797,826	S	785,224	798,719	S	785,202	S	S	S	S	S
26/01/2021	S	795,441	S	797,846	S	785,234	798,749	S	785,182	S	S	S	S	S
27/01/2021	S	795,401	S	797,816	S	785,224	798,719	S	785,192	S	S	S	S	S
27/01/2021	S	795,441	S	797,846	S	785,234	798,759	S	785,202	S	S	S	S	S
28/01/2021	S	795,411	S	797,816	S	785,234	798,729	S	785,192	S	S	S	S	S
28/01/2021	S	795,431	S	797,846	S	785,234	798,749	S	785,192	S	S	S	S	S
29/01/2021	S	795,411	S	797,806	S	785,224	798,709	S	785,192	S	S	S	S	S
29/01/2021	S	795,431	S	797,836	S	785,214	798,739	S	785,182	S	S	S	S	S
30/01/2021	S	795,391	S	797,806	S	785,224	798,699	S	785,172	S	S	S	S	S
30/01/2021	S	795,411	S	797,826	S	785,214	798,719	S	785,182	S	S	S	S	S
31/01/2021	S	795,391	S	797,796	S	785,204	798,709	S	785,182	S	S	S	S	S
31/01/2021	S	795,411	S	797,836	S	785,214	798,729	S	785,172	S	S	S	S	S
01/02/2021	S	795,391	S	797,796	S	785,214	798,699	S	785,172	S	S	S	S	S
01/02/2021	S	795,401	S	797,816	S	785,204	798,709	S	785,172	S	S	S	S	S
02/02/2021	S	795,391	S	797,786	S	785,204	798,679	S	785,182	S	S	S	S	S
02/02/2021	S	795,391	S	797,786	S	785,214	798,659	S	785,182	S	S	S	S	S
03/02/2021	S	795,381	S	797,786	S	785,224	798,659	S	785,182	S	S	S	S	S
03/02/2021	S	795,391	S	797,806	S	785,224	798,709	S	785,182	S	S	S	S	S
04/02/2021	S	795,371	S	797,776	S	785,214	798,659	S	785,182	S	S	S	S	S
04/02/2021	S	795,411	S	797,816	S	785,244	798,709	S	785,192	S	S	S	S	S
05/02/2021	S	795,401	S	797,816	S	785,214	798,709	S	785,182	S	S	S	S	S
05/02/2021	S	795,391	S	797,826	S	785,254	798,729	S	785,172	S	S	S	S	S
06/02/2021	S	795,381	S	797,806	S	785,254	798,709	S	785,192	S	S	S	S	S
06/02/2021	S	795,381	S	797,826	S	785,234	798,729	S	785,212	S	S	S	S	S
07/02/2021	S	795,391	S	797,816	S	785,234	798,719	S	785,202	S	S	S	S	S
07/02/2021	S	795,381	S	797,836	S	785,264	798,769	S	785,252	S	S	S	S	S

08/02/2021	S	795,371	S	797,836	S	785,274	798,799	S	785,292	S	S	S	S	S
08/02/2021	S	795,391	S	797,866	S	785,244	798,849	S	785,252	S	S	S	S	S
09/02/2021	S	795,361	S	797,866	S	785,234	798,859	S	785,242	S	S	S	S	S
09/02/2021	S	795,381	S	797,886	S	785,244	798,879	S	785,242	S	S	S	S	S
10/02/2021	S	795,361	S	797,866	S	785,234	798,889	S	785,242	S	S	S	S	S
10/02/2021	S	795,381	S	797,906	S	785,244	798,919	S	785,242	S	S	S	S	S
11/02/2021	S		S	797,896	S	785,254	798,899	S	785,232	S	S	S	S	S
11/02/2021	S		S	797,926	S	785,234	798,919	S	785,242	S	S	S	S	S
12/02/2021	S		S	797,906	S	785,244	798,909	S	785,242	S	S	S	S	S
12/02/2021	S		S	797,916	S	785,274	798,929	S	785,272	S	S	S	S	S
13/02/2021	S		S	797,926	S	785,254	798,969	S	785,272	S	S	S	S	S
13/02/2021	S		S	797,956	S	785,264	798,999	S	785,262	S	S	S	S	S
14/02/2021	S		S	797,966	S	785,264	798,999	S	785,272	S	S	S	S	S
14/02/2021	S		S	797,996	S	785,264	799,029	S	785,282	S	S	S	S	S
15/02/2021	S		S	798,006	S	785,274	799,019	S	785,292	S	S	S	S	S
15/02/2021	S		S	798,016	S	785,264	799,059	S	785,302	S	S	S	S	S
16/02/2021	S		S	798,026	S	785,264	799,079	S	785,302	S	S	S	S	S
16/02/2021	S		S	798,066	S	785,274	799,109	S	785,292	S	S	S	S	S
17/02/2021	S		S	798,086	S	785,294	799,149	S	785,412	S	S	S	S	S
17/02/2021	S		S	798,126	S	785,334	799,229	S	785,502	S	S	S	S	S
18/02/2021	S		S	798,156	S	785,324	799,289	S	785,432	S	S	S	S	S
18/02/2021	S		S	798,206	S	785,314	799,359	S	785,392	S	S	S	S	S
19/02/2021	S		S	798,216	S	785,344	799,379	S	785,462	S	S	S	S	S
19/02/2021	S		S	798,266	S	785,324	799,459	S	785,422	S	S	S	S	S
20/02/2021	S		S	798,276	S	785,304	799,459	S	785,422	S	S	S	S	S
20/02/2021	S		S	798,316	S	785,334	799,509	S	785,422	S	S	S	S	S
21/02/2021	S		S	798,336	S	785,304	799,529	S	785,392	S	S	S	S	S
21/02/2021	S		S	798,356	S	785,324	799,579	S	785,412	S	S	S	S	S
22/02/2021	S		S	798,366	S	785,324	799,569	S	785,402	S	S	S	S	S
22/02/2021	S		S	798,426	S	785,324	799,619	S	785,402	S	S	S	S	S
23/02/2021	S		S	798,416	S	785,314	799,609	S	785,412	S	S	S	S	S
23/02/2021	S		S	798,466	S	785,324	799,629	S	785,402	S	S	S	S	S

24/02/2021	S		S	798,456	S	785,324	799,629	S	785,412	S	S	S	S	S
24/02/2021	S		S	798,496	S	785,334	799,659	S	785,422	S	S	S	S	S
25/02/2021	S		S	798,506	S	785,324	799,649	S	785,412	S	S	S	S	S
25/02/2021	S		S	798,546	S	785,304	799,679	S	785,412	S	S	S	S	S
26/02/2021	S		S	798,556	S	785,304	799,659	S	785,402	S	S	S	S	S
26/02/2021	S		S	798,556	S	785,324	799,669	S	785,412	S	S	S	S	S
27/02/2021	S		S	798,546	S	785,314	799,639	S	785,422	S	S	S	S	S
27/02/2021	S		S	798,576	S	785,334	799,659	S	785,472	S	S	S	S	S
28/02/2021	S		S	798,566	S	785,334	799,639	S	785,452	S	S	S	S	S
28/02/2021	S		S	798,586	S	785,324	799,649	S	785,432	S	S	S	S	S
01/03/2021	S		S	798,586	S	785,344	799,629	S	785,422	S	S	S	S	S
02/03/2021	S		S	798,576	S	785,324	799,619	S	785,392	S	S	S	S	S
02/03/2021	S		S	798,576	S	785,324	799,609	S	785,392	S	S	S	S	S
03/03/2021	S		S	798,546	S	785,314	799,579	S	785,382	S	S	S	S	S
03/03/2021	S	795,811	S	798,556	S	785,324	799,569	S	785,392	S	S	S	S	S
04/03/2021	S	795,801	S	798,546	S	785,314	799,529	S	785,392	S	S	S	S	S
04/03/2021	S	795,831	S	798,566	S	785,304	799,529	S	785,392	S	S	S	S	S
05/03/2021	S	795,831	S	798,536	S	785,314	799,489	S	785,372	S	S	S	S	S
05/03/2021	S	795,851	S	798,546	S	785,314	799,469	S	785,372	S	S	S	S	S
06/03/2021	S	795,841	S	798,496	S	785,304	799,399	S	785,362	S	S	S	S	S
06/03/2021	S	795,831	S	798,496	S	785,304	799,369	S	785,372	S	S	S	S	S
07/03/2021	S	795,811	S	798,456	S	785,304	799,319	S	785,362	S	S	S	S	S
07/03/2021	S	795,821	S	798,436	S	785,284	799,299	S	785,352	S	S	S	S	S
08/03/2021	S	795,821	S	798,416	S	785,294	799,249	S	785,332	S	S	S	S	S
08/03/2021	S	795,821	S	798,406	S	785,314	799,219	S	785,402	S	S	S	S	S
09/03/2021	S	795,831	S	798,386	S	785,304	799,209	S	785,382	S	S	S	S	S
09/03/2021	S	795,831	S	798,386	S	785,314	799,219	S	785,362	S	S	S	S	S
10/03/2021	S	795,811	S	798,356	S	785,294	799,199	S	785,372	S	S	S	S	S
10/03/2021	S	795,811	S	798,366	S	785,314	799,189	S	785,352	S	S	S	S	S
11/03/2021	S	795,791	S	798,326	S	785,284	799,169	S	785,342	S	S	S	S	S
11/03/2021	S	795,791	S	798,316	S	785,284	799,179	S	785,332	S	S	S	S	S
12/03/2021	S	795,781	S	798,296	S	785,284	799,159	S	785,322	S	S	S	S	S

12/03/2021	S	795,791	S	798,316	S	785,294	799,189	S	785,412	S	S	S	S	S
13/03/2021	S	795,771	S	798,306	S	785,324	799,219	S	785,412	S	S	S	S	S
13/03/2021	S	795,771	S	798,336	S	785,314	799,259	S	785,392	S	S	S	S	S
14/03/2021	S	795,751	S	798,316	S	785,314	799,279	S	785,362	S	S	S	S	S
14/03/2021	S	795,771	S	798,346	S	785,294	799,309	S	785,372	S	S	S	S	S
15/03/2021	S	795,761	S	798,336	S	785,294	799,319	S	785,362	S	S	S	S	S
15/03/2021	S	795,781	S	798,366	S	785,294	799,359	S	785,372	S	S	S	S	S
16/03/2021	S	795,771	S	798,356	S	785,294	799,369	S	785,352	S	S	S	S	S
16/03/2021	S	795,791	S	798,396	S	785,294	799,389	S	785,362	S	S	S	S	S
17/03/2021	S	795,771	S	798,396	S	785,294	799,399	S	785,362	S	S	S	S	S
17/03/2021	S	795,801	S	798,426	S	785,284	799,429	S	785,362	S	S	S	S	S
18/03/2021	S	795,781	S	798,416	S	785,284	799,419	S	785,362	S	S	S	S	S
18/03/2021	S	795,801	S	798,426	S	785,314	799,449	S	785,362	S	S	S	S	S
19/03/2021	S	795,791	S	798,426	S	785,294	799,429	S	785,352	S	S	S	S	S
19/03/2021	S	795,801	S	798,436	S	785,294	799,439	S	785,352	S	S	S	S	S
20/03/2021	S	795,771	S	798,416	S	785,284	799,419	S	785,352	S	S	S	S	S
20/03/2021	S	795,781	S	798,426	S	785,294	799,459	S	785,362	S	S	S	S	S
21/03/2021	S	795,781	S	798,426	S	785,294	799,439	S	785,352	S	S	S	S	S
21/03/2021	S	795,811	S	798,436	S	785,294	799,459	S	785,352	S	S	S	S	S
22/03/2021	S	795,811	S	798,436	S	785,284	799,459	S	785,352	S	S	S	S	S
22/03/2021	S	795,821	S	798,466	S	785,294	799,479	S	785,362	S	S	S	S	S
23/03/2021	S	795,821	S	798,446	S	785,274	799,469	S	785,342	S	S	S	S	S
23/03/2021	S	795,831	S	798,466	S	785,304	799,489	S	785,362	S	S	S	S	S
24/03/2021	S	795,821	S	798,456	S	785,284	799,479	S	785,352	S	S	S	S	S
24/03/2021	S	795,851	S	798,486	S	785,304	799,519	S	785,362	S	S	S	S	S
25/03/2021	S	795,831	S	798,486	S	785,284	799,489	S	785,352	S	S	S	S	S
25/03/2021	S	795,851	S	798,506	S	785,304	799,519	S	785,342	S	S	S	S	S
26/03/2021	S	795,851	S	798,476	S	785,284	799,499	S	785,352	S	S	S	S	S
26/03/2021	S	795,871	S	798,506	S	785,294	799,529	S	785,372	S	S	S	S	S
27/03/2021	S	795,861	S	798,496	S	785,294	799,509	S	785,362	S	S	S	S	S
27/03/2021	S	795,891	S	798,516	S	785,274	799,529	S	785,352	S	S	S	S	S
28/03/2021	S	795,871	S	798,516	S	785,294	799,499	S	785,362	S	S	S	S	S



<b>28/03/2021</b>	S	795,891	S	798,546	S	785,294	799,539	S	785,362	S	S	S	S	S
<b>29/03/2021</b>	S	795,891	S	798,516	S	785,294	799,519	S	785,362	S	S	S	S	S
<b>29/03/2021</b>	S	795,891	S	798,536	S	785,304	799,529	S	785,352	S	S	S	S	S
<b>30/03/2021</b>	S	795,891	S	798,536	S	785,304	799,539	S	785,362	S	S	S	S	S
<b>30/03/2021</b>	S	795,911	S	798,546	S	785,304	799,539	S	785,362	S	S	S	S	S
<b>31/03/2021</b>	S	795,911	S	798,536	S	785,274	799,529	S	785,362	S	S	S	S	S
<b>31/03/2021</b>	S	795,931	S	798,556	S	785,274	799,549	S	785,352	S	S	S	S	S

### Barragem B

<b>Data</b>	INA-15	INA-16	INA-D-1	INA-D-2	INA-D-3	INA-D-4
<b>02/10/2020</b>	799,37	788,87	805,43	805,33	805,27	805,44
<b>08/10/2020</b>	799,291	788,749	805,388	805,277	805,042	805,351
<b>15/10/2020</b>	799,191	788,609	805,318	805,217	805,102	805,261
<b>21/10/2020</b>	799,101	788,519	805,268	805,187	805,042	805,191
<b>28/10/2020</b>	799,131	788,469	805,168	805,237	805,132	#N/D
<b>04/11/2020</b>	799,101	788,439	805,118	805,417	805,332	806,131
<b>11/12/2020</b>	799,061	788,539	805,678	805,687	805,602	806,561
<b>17/12/2020</b>	799,301	788,819	805,768	805,807	805,712	806,721
<b>06/01/2021</b>	799,371	788,899				
<b>13/01/2021</b>	799,231	788,829	806,148	805,957	805,852	806,761
<b>22/01/2021</b>	799,231	788,819	806,178	805,957	805,842	806,751
<b>28/01/2021</b>	799,221	788,769	806,148	805,927	805,822	806,591
<b>02/02/2021</b>	799,171	788,749	806,088	805,887	805,772	806,471
<b>10/02/2021</b>	799,411	788,849	806,178	805,957	805,852	806,931
<b>18/02/2021</b>	799,901	789,279	806,288	806,027	805,922	807,381
<b>24/02/2021</b>	800,351	790,519	806,318	806,047	805,922	807,241
<b>04/03/2021</b>	800,171	789,519	806,308	806,037	805,902	807,151
<b>12/03/2021</b>	799,691	789,209	806,358	806,057	805,932	807,241
<b>24/03/2021</b>	800,121	789,429	806,278	806,007	805,882	807,041

**ANEXO II**  
**REGISTROS DAS LEITURAS DO NÍVEL DE ÁGUA DAS BARRAGENS A, B e C**  
**Outubro/2020 a março/2021**

<b>Barragem A</b>		<b>Barragem B</b>		<b>Barragem C</b>	
<b>Data</b>	<b>N.A. (m)</b>	<b>Data</b>	<b>N.A. (m)</b>	<b>Data</b>	<b>N.A. (m)</b>
02/10/2020	seco	02/10/2020	804,37	02/10/2020	782,56
08/10/2020	seco	08/10/2020	804,30	08/10/2020	782,56
15/10/2020	seco	15/10/2020	803,24	16/10/2020	782,59
21/10/2020	seco	21/10/2020	803,20	21/10/2020	782,62
28/10/2020	seco	28/10/2020	803,26	28/10/2020	782,62
01/11/2020	seco	04/11/2020	803,08	04/11/2020	782,63
04/11/2020	seco	12/11/2020	803,01	11/11/2020	782,69
05/11/2020	seco	17/11/2020	803,00	17/11/2020	782,64
12/11/2020	seco	24/11/2020	802,90	24/11/2020	782,59
17/11/2020	seco	11/12/2020	803,17	11/12/2020	782,67
24/11/2020	seco	17/12/2020	803,46	20/12/2020	782,85
10/12/2020	796,14	26/12/2020		20/12/2020	782,85
17/12/2020	796,16	13/01/2021	803,22	21/12/2020	782,83
20/12/2020	796,17	22/01/2021	803,28	21/12/2020	782,83
21/12/2020	796,10	29/01/2021	803,24	22/12/2020	782,84
22/12/2020	796,11	10/02/2021	804,53	22/12/2020	782,84
23/12/2020	796,11	11/02/2021	804,54	23/12/2020	782,82
24/12/2020	796,10	11/02/2021	804,55	23/12/2020	782,83
25/12/2020	796,11	12/02/2021	804,56	24/12/2020	782,82
26/12/2020	796,10	12/02/2021	804,58	24/12/2020	782,83
26/12/2020	796,11	13/02/2021	804,59	25/12/2020	782,83
27/12/2020	796,09	13/02/2021	804,61	25/12/2020	782,83
27/12/2020	796,08	14/02/2021	804,61	26/12/2020	782,81
28/12/2020	796,08	14/02/2021	804,63	26/12/2020	782,83
28/12/2020	796,07	15/02/2021	804,99	27/12/2020	782,82
29/12/2020	796,06	15/02/2021	804,65	27/12/2020	782,82
29/12/2020	796,06	16/02/2021	804,64	28/12/2020	782,77
30/12/2020	796,04	16/02/2021	804,66	28/12/2020	783,00
30/12/2020	796,15	02/03/2021	804,91	29/12/2020	782,99
31/12/2020	796,02	02/03/2021	804,88	29/12/2020	783,00
01/01/2021	796,01	03/03/2021	805,00	30/12/2020	782,92
01/01/2021	796,04	03/03/2021	804,75	30/12/2020	783,00
02/01/2021	796,01	04/03/2021	804,67	31/12/2020	782,98
02/01/2021	796,01	04/03/2021	804,61	31/12/2020	782,88

03/01/2021	796,30		05/03/2021	804,50		01/01/2021	782,82
28/01/2021	seco		05/03/2021	804,47		01/01/2021	782,83
28/01/2021	796,01		06/03/2021	804,35		02/01/2021	782,81
29/01/2021	796,01		06/03/2021	804,32		02/01/2021	782,82
29/01/2021	796,01		07/03/2021	804,25		03/01/2021	782,80
30/01/2021	796,01		07/03/2021	804,22		03/01/2021	782,82
30/01/2021	796,01		08/03/2021	804,22		04/01/2021	782,81
01/02/2021	796,01		08/03/2021	804,31		04/01/2021	782,82
01/02/2021	796,01		09/03/2021	804,35		05/01/2021	782,99
02/02/2021	796,01		09/03/2021	804,42		05/01/2021	782,81
02/02/2021	796,01		10/03/2021	804,44		06/01/2021	782,79
03/02/2021	796,01		10/03/2021	804,47		06/01/2021	782,81
03/02/2021	796,01		11/03/2021	804,48		07/01/2021	783,00
04/02/2021	796,01		11/03/2021	804,50		07/01/2021	783,00
04/02/2021	796,01		12/03/2021	804,49		08/01/2021	783,00
05/02/2021	796,01		12/03/2021	804,65		08/01/2021	782,82
05/02/2021	796,01		13/03/2021	804,70		09/01/2021	782,79
06/02/2021	796,01		13/03/2021	804,75		09/01/2021	782,83
06/02/2021	796,01		14/03/2021	804,77		10/01/2021	782,84
07/02/2021	796,01		14/03/2021	804,80		10/01/2021	783,00
07/02/2021	796,03		15/03/2021	804,78		11/01/2021	782,82
07/02/2021	796,03		15/03/2021	804,82		11/01/2021	782,82
08/02/2021	796,01		16/03/2021	804,81		12/01/2021	782,81
08/02/2021	796,00		16/03/2021	804,83		12/01/2021	782,83
09/02/2021	796,00		17/03/2021	804,82		13/01/2021	782,81
09/02/2021	796,00		17/03/2021	804,84		13/01/2021	782,81
10/02/2021	796,00		18/03/2021	804,83		14/01/2021	782,80
10/02/2021	796,07		18/03/2021	804,85		14/01/2021	782,84
11/02/2021	796,06		19/03/2021	804,84		15/01/2021	782,82
11/02/2021	796,06		19/03/2021	804,85		15/01/2021	782,83
12/02/2021	796,07		20/03/2021	804,84		16/01/2021	782,83
12/02/2021	796,08		20/03/2021	804,85		16/01/2021	782,83
13/02/2021	796,07		21/03/2021	804,84		17/01/2021	782,83
13/02/2021	796,07		21/03/2021	804,85		17/01/2021	782,82
14/02/2021	796,07		22/03/2021	805,00		18/01/2021	782,79
14/02/2021	796,07		22/03/2021	804,85		18/01/2021	782,83
15/02/2021	796,07		23/03/2021	804,83		19/01/2021	782,80
15/02/2021	796,08		23/03/2021	804,84		19/01/2021	782,82
16/02/2021	796,07		24/03/2021	804,82		20/01/2021	782,81
16/02/2021	796,07		24/03/2021	804,84		20/01/2021	782,83
17/02/2021	796,49		25/03/2021	804,82		21/01/2021	782,81
17/02/2021	796,60		25/03/2021	804,83		21/01/2021	782,74
18/02/2021	796,47		26/03/2021	804,80		21/01/2021	782,66
18/02/2021	796,45		26/03/2021	804,83		22/01/2021	782,63
19/02/2021	796,50		27/03/2021	804,80		22/01/2021	782,51

19/02/2021	796,45		27/03/2021	804,82		29/01/2021	782,54
20/02/2021	796,55		28/03/2021	804,80		30/01/2021	782,59
20/02/2021	796,46		28/03/2021	804,82		30/01/2021	782,60
21/02/2021	796,44		29/03/2021	804,80		31/01/2021	782,62
21/02/2021	796,41		29/03/2021	804,81		31/01/2021	782,63
22/02/2021	796,39		30/03/2021	804,78		01/02/2021	782,63
22/02/2021	796,36		30/03/2021	804,73		01/02/2021	782,61
23/02/2021	796,33		31/03/2021	804,72		02/02/2021	782,84
27/02/2021	796,12		31/03/2021	804,73		02/02/2021	782,58
27/02/2021	796,21					03/02/2021	782,61
28/02/2021	796,45					03/02/2021	782,63
28/02/2021	796,42					04/02/2021	782,66
01/03/2021	796,40					04/02/2021	782,69
02/03/2021	796,35					05/02/2021	782,67
02/03/2021	796,31					05/02/2021	782,64
03/03/2021	796,20					06/02/2021	782,65
03/03/2021	796,12					06/02/2021	782,66
04/03/2021	796,10					07/02/2021	782,68
04/03/2021	796,10					07/02/2021	782,75
05/03/2021	796,08					08/02/2021	782,73
05/03/2021	796,11					08/02/2021	782,72
06/03/2021	796,10					09/02/2021	782,72
06/03/2021	796,12					09/02/2021	782,61
07/03/2021	796,32					10/02/2021	782,60
07/03/2021	796,31					10/02/2021	782,62
08/03/2021	796,20					11/02/2021	782,62
08/03/2021	796,31					11/02/2021	782,63
09/03/2021	796,41					12/02/2021	782,63
09/03/2021	796,40					12/02/2021	782,64
10/03/2021	796,42					13/02/2021	782,62
10/03/2021	796,42					13/02/2021	782,63
11/03/2021						14/02/2021	782,63
11/03/2021	796,34					14/02/2021	782,63
12/03/2021	796,24					15/02/2021	782,63
12/03/2021	796,48					15/02/2021	782,62
13/03/2021	796,43					16/02/2021	782,60
13/03/2021	796,42					16/02/2021	782,62
14/03/2021	796,40					17/02/2021	782,86
14/03/2021	796,39					17/02/2021	782,84
15/03/2021	796,35					18/02/2021	782,79
15/03/2021	796,28					18/02/2021	782,81
16/03/2021	796,14					19/02/2021	782,90
16/03/2021	796,11					19/02/2021	782,83
17/03/2021	796,09					20/02/2021	782,96
17/03/2021	796,10					20/02/2021	782,84

18/03/2021	796,08				21/02/2021	782,82
18/03/2021	796,09				21/02/2021	782,83
19/03/2021	796,08				22/02/2021	782,82
19/03/2021	796,08				22/02/2021	782,83
20/03/2021	796,08				23/02/2021	782,82
20/03/2021	796,10				23/02/2021	782,82
21/03/2021	796,08				24/02/2021	782,81
21/03/2021	796,10				24/02/2021	782,82
22/03/2021	796,08				25/02/2021	782,81
22/03/2021	796,08				25/02/2021	782,83
23/03/2021	796,08				26/02/2021	782,83
23/03/2021	796,08				26/02/2021	782,83
24/03/2021	796,08				27/02/2021	782,84
24/03/2021	796,08				27/02/2021	782,86
25/03/2021	796,07				28/02/2021	782,86
25/03/2021	796,08				28/02/2021	782,84
26/03/2021	796,06				01/03/2021	782,82
26/03/2021	796,08				02/03/2021	782,82
27/03/2021	796,06				02/03/2021	782,83
27/03/2021	796,07				03/03/2021	782,82
28/03/2021	796,05				03/03/2021	782,83
28/03/2021	796,06				04/03/2021	782,83
29/03/2021	796,06				04/03/2021	782,83
30/03/2021	796,04				05/03/2021	782,81
30/03/2021	796,06				05/03/2021	782,82
31/03/2021	796,06				06/03/2021	782,81
31/03/2021	796,06				06/03/2021	782,83
					07/03/2021	782,82
					07/03/2021	782,82
					08/03/2021	782,67
					08/03/2021	782,69
					09/03/2021	782,66
					09/03/2021	782,66
					10/03/2021	782,65
					10/03/2021	782,66
					11/03/2021	782,64
					11/03/2021	782,65
					12/03/2021	782,63
					12/03/2021	782,73
					13/03/2021	782,70
					13/03/2021	782,67
					14/03/2021	782,64
					14/03/2021	782,66
					15/03/2021	782,64
					15/03/2021	782,66

					16/03/2021	782,64
					16/03/2021	782,65
					17/03/2021	782,62
					17/03/2021	782,63
					18/03/2021	782,62
					18/03/2021	782,64
					19/03/2021	782,62
					19/03/2021	782,63
					20/03/2021	782,61
					20/03/2021	782,62
					21/03/2021	782,61
					21/03/2021	782,62
					22/03/2021	782,61
					22/03/2021	782,61
					23/03/2021	783,00
					23/03/2021	782,60
					24/03/2021	782,59
					24/03/2021	782,60
					25/03/2021	782,59
					25/03/2021	782,60
					26/03/2021	782,58
					26/03/2021	782,58
					27/03/2021	782,57
					27/03/2021	782,58
					28/03/2021	782,56
					28/03/2021	782,59
					29/03/2021	782,57
					29/03/2021	782,59
					30/03/2021	782,57
					30/03/2021	782,57
					31/03/2021	782,56
					31/03/2021	782,58

## ANEXO III

### ANOTAÇÃO DE RESPONSABILIDADE TÉCNICA – ART



**Anotação de Responsabilidade Técnica - ART**  
Lei nº 6.496, de 7 de dezembro de 1977

**CREA-MG**

**ART OBRA / SERVIÇO**  
Nº MG20210333574

**Conselho Regional de Engenharia e Agronomia de Minas Gerais**

INICIAL

---

**1. Responsável Técnico**  
**IGOR BORGES MARIANO**  
 Título profissional: **ENGENHEIRO CIVIL** RNP: 141864820  
Registro: MG0000187144D MG

---

**2. Dados do Contrato**  
 Contratante: **Mosale Fertilizantes P&K** CPF/CNPJ: 33.831.488/0027-70  
 RODOVIA BR-362 Nº: KM 80  
 Complemento: Bairro: ZONA RURAL  
 Cidade: **PATOS DE MINAS** UF: MG CEP: 38700970

Contrato: **Não especificado** Celebrado em:  
 Valor: **R\$ 11.788,06** Tipo de contratante: **Pessoa Jurídica de Direito Privado**  
 Ação Institucional: **Outros**

---

**3. Dados da Obra/Serviço**  
 RODOVIA BR-362 Nº: KM 80  
 Complemento: Bairro: ZONA RURAL  
 Cidade: **PATOS DE MINAS** UF: MG CEP: 38700970  
 Data de Início: **01/08/2021** Previsão de término: **01/08/2025** Coordenadas Geográficas: **0, 0**  
 Finalidade: **INDUSTRIAL** Código: **Não Especificado**  
 Proprietário: **Mosale Fertilizantes P&K** CPF/CNPJ: 33.831.488/0027-70

---

2018 - Fiscalização	Quantidade	Unidade
63 - Inspeção > OBRAS HIDRÁULICAS E RECURSOS HÍDRICOS > BARRAGENS E DIQUES > DE BARRAGENS > #5.2.1.4 - DE MATERIAL MISTO	40,00	h/sem
70 - Monitoramento > OBRAS HIDRÁULICAS E RECURSOS HÍDRICOS > BARRAGENS E DIQUES > DE BARRAGENS > #5.2.1.4 - DE MATERIAL MISTO	40,00	h/sem

Após a conclusão das atividades técnicas o profissional deve proceder a baixa desta ART

---

**5. Observações**  
 Responsável técnico pela inspeção e monitoramento geotécnico da Barragem A da unidade de Patos de Minas/MG.

---

**8. Declarações**  
 - A Resolução nº 1.094/17, CONFEA, instituiu o Livro de Ordem de obras e serviços que será obrigatório para a emissão de Certidão de Acervo Técnico - CAT aos responsáveis pela execução e fiscalização de obras iniciadas a partir de 1º de janeiro de 2018. (Res. 1.094, Confea) .

---

**7. Entidade de Classe**  
 SENGEMG - Sindicato de Engenheiros no Estado de Minas Gerais

---

**8. Assinaturas**  
 Declaro serem verdadeiras as informações acima  
DocuSigned by:  
*Igor Mariano*  
DocuSigned by:  
*Ricardo Luiz Teixeira Telles*  
 Local: \_\_\_\_\_ de \_\_\_\_\_ de \_\_\_\_\_  
MOSALE FERTILIZANTES P&K - CNPJ: 33.831.488/0027-70

---

**9. Informações**  
 \* A ART é válida somente quando quitada, mediante apresentação do comprovante do pagamento ou conferência no site do Crea.  
 \* O comprovante de pagamento deverá ser anexado para comprovação de quitação

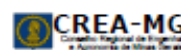
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**10. Valor**  
 Valor da ART: **R\$ 166,38** Registrada em: **08/08/2021** Valor pago: **R\$ 166,38** Nosso Número: **8684842177**

A autenticidade desta ART pode ser verificada em: <https://crea-mg.atec.com.br/publica/>, com a chave: CSzoz  
 Impresso em: 11/06/2021 às 14:49:39 por: , ip: 187.44.85.86

www.crea-mg.org.br  
 Tel: 0312732

crea-mg@crea-mg.org.br  
 Fax:





Anotação de Responsabilidade Técnica - ART  
Lei nº 6.496, de 7 de dezembro de 1977

**CREA-MG**

ART OBRA / SERVIÇO  
Nº MG20210332525

Conselho Regional de Engenharia e Agronomia de Minas Gerais

INICIAL

**1. Responsável Técnico**  
**IGOR BORGES MARIANO**  
 Título profissional: ENGENHEIRO CIVIL RNP: 1418964820  
 Registro: MG0000187144D MG

---

**2. Dados do Contrato**  
 Contratante: Mocalo Fertilizantes P&K CPF/CNPJ: 33.931.488/0027-70  
 RODOVIA BR-362 Nº: KM 80  
 Complemento: Bairro: ZONA RURAL  
 Cidade: PATOS DE MINAS UF: MG CEP: 38700870

Contrato: Não especificado Celebrado em:  
 Valor: R\$ 11.788,06 Tipo de contratante: Pessoa Jurídica de Direito Privado  
 Ação Institucional: Outros

---

**3. Dados da Obra/Serviço**  
 RODOVIA BR-362 Nº: KM 80  
 Complemento: Bairro: ZONA RURAL  
 Cidade: PATOS DE MINAS UF: MG CEP: 38700870  
 Data de início: 01/08/2021 Previsão de término: 01/08/2026 Coordenadas Geográficas: 0, 0  
 Finalidade: INDUSTRIAL Código: Não Especificado  
 Proprietário: Mocalo Fertilizantes P&K CPF/CNPJ: 33.931.488/0027-70

---

**4. Atividade Técnica**

2018 - Fiscalização	Quantidade	Unidade
63 - Inspeção > OBRAS HIDRÁULICAS E RECURSOS HÍDRICOS > BARRAGENS E DIQUES > DE BARRAGENS > #5.2.1.4 - DE MATERIAL MISTO	40,00	h/sem
70 - Monitoramento > OBRAS HIDRÁULICAS E RECURSOS HÍDRICOS > BARRAGENS E DIQUES > DE BARRAGENS > #5.2.1.4 - DE MATERIAL MISTO	40,00	h/sem

Após a conclusão das atividades técnicas o profissional deve proceder a baixa desta ART

---

**5. Observações**  
 Responsável técnico pela inspeção e monitoramento geotécnico da Barragem B da unidade de Patos de Minas/MG.

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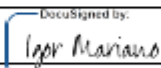
**6. Declarações**  
 - A Resolução nº 1.094/17, CONFEA, instituiu o Livro de Ordem de obras e serviços que será obrigatório para a emissão de Certidão de Acervo Técnico - CAT aos responsáveis pela execução e fiscalização de obras iniciadas a partir de 1º de janeiro de 2018. (Res. 1.094, Confea).

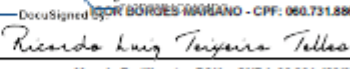
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**7. Entidade de Classe**  
 SENGE-MG - Sindicato de Engenheiros no Estado de Minas Gerais

---

**8. Assinaturas**  
 Declaro serem verdadeiras as informações acima  
 22-06-21 de 15:03 BRT de \_\_\_\_\_  
 Local data

DocuSigned by:  
  
 Igor BORGES MARIANO - CPF: 060.731.886-41

DocuSigned by:  
  
 Ricardo Luiz Teixeira Tallas  
 B0EA720/Mocalo Fertilizantes P&K - CNPJ: 33.931.488/0027-70

---

**9. Informações**  
 \* A ART é válida somente quando quitada, mediante apresentação do comprovante de pagamento ou conferência no site do Crea.  
 \* O comprovante de pagamento deverá ser apensado para comprovação de quitação

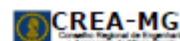
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**10. Valor**  
 Valor da ART: R\$ 166,38 Registrada em: 08/08/2021 Valor pago: R\$ 166,38 Nosso Número: 8684842173

A autenticidade desta ART pode ser verificada em: <https://crea-mg.sitac.com.br/publico/>, com a chave: B82y4  
 Impresso em: 11/08/2021 às 14:21:28 por: ip: 187.44.65.86

www.crea-mg.org.br  
 Tel: 0312732

crea-mg@crea-mg.org.br  
 Fax:







Conselho Regional de Engenharia e Agronomia de Minas Gerais

INICIAL

1. Responsável Técnico

IGOR BORGES MARIANO

Título profissional: ENGENHEIRO CIVIL

RNP: 1413864820

Registro: MG0000187144D MG

2. Dados do Contrato

Contratante: Mocalo Fertilizantes P&K

RODOVIA BR-362

Complemento:

Cidade: PATOS DE MINAS

Bairro: ZONA RURAL

UF: MG

CPF/CNPJ: 33.931.488/0027-70

Nº: KM 80

CEP: 38700970

Contrato: Não especificado

Valor: R\$ 11.788,06

Ação Institucional: Outros

Celebrado em:

Tipo de contratante: Pessoa Jurídica de Direito Privado

3. Dados da Obra/Serviço

RODOVIA BR-362

Complemento:

Cidade: PATOS DE MINAS

Data de início: 01/08/2021

Finalidade: INDUSTRIAL

Proprietário: Mocalo Fertilizantes P&K

Bairro: ZONA RURAL

UF: MG

Previsão de término: 01/08/2026

Coordenadas Geográficas: 0, 0

Código: Não Especificado

Nº: KM 80

CEP: 38700970

CPF/CNPJ: 33.931.488/0027-70

4. Atividade Técnica

2018 - Fiscalização

63 - Inspeção > OBRAS HIDRÁULICAS E RECURSOS HÍDRICOS > BARRAGENS E DIQUES > DE

BARRAGENS > #5.2.1.4 - DE MATERIAL MISTO

Quantidade

Unidade

40,00

h/sem

70 - Monitoramento > OBRAS HIDRÁULICAS E RECURSOS HÍDRICOS > BARRAGENS E DIQUES

> DE BARRAGENS > #5.2.1.4 - DE MATERIAL MISTO

40,00

h/sem

Após a conclusão das atividades técnicas o profissional deve proceder a baixa desta ART

5. Observações

Responsável técnico pela inspeção e monitoramento geotécnico da Barragem C da unidade de Patos de Minas/MG.

6. Declarações

- A Resolução nº 1.094/17, CONFEA, institui o Livro de Ordem de obras e serviços que será obrigatório para a emissão de Certidão de Acervo Técnico - CAT aos responsáveis pela execução e fiscalização de obras iniciadas a partir de 1º de janeiro de 2018. (Res. 1.094, Confea).

7. Entidade de Classe

SENGE-MG - Sindicato de Engenheiros no Estado de Minas Gerais

8. Assinaturas

Declaro serem verdadeiras as informações acima

22-06-21 | 15:03 BRT de

Local data

DocuSigned by:

Igor Mariano

IGOR BORGES MARIANO - CPF: 060.731.888-41

DocuSigned by:

Ricardo Luiz Teixeira Felles

Mocalo Fertilizantes P&K - CNPJ: 33.931.488/0027-70

B0EA72069091403

9. Informações

\* A ART é válida somente quando quitada, mediante apresentação do comprovante do pagamento ou conferência no site do Crea.

\* O comprovante de pagamento deverá ser anexado para comprovação de quitação

10. Valor

Valor da ART: R\$ 166,38 Registrada em: 08/08/2021 Valor pago: R\$ 166,38 Nosso Número: 8684842178

