



D 01

Resolución Gerencial

N° 015 /2018-GRP-PECHP-406000

Piura, 28 FEB. 2018

VISTOS: El Memorando N° 098 /2018-GRP-PECHP-406007, de fecha 27 de febrero del 2018, de la Dirección de Operaciones y Mantenimiento, relacionado con la aprobación de la Curva Cota Volumen del Año 2018 con su respectiva Tabla de Volúmenes para diferentes niveles de Embalse y;

CONSIDERANDO:

Que, mediante Memorando N° 066/2018-GRP-PECHP-406007-PCD de fecha 05 de Febrero 2018, el Jefe de la División Poechos-Canal Derivación remite a la Dirección de Operación y Mantenimiento información de medición de Sedimentos para la elaboración de la Curva Cota Volumen 2018, con un volumen acumulado de sedimentos en el embalse a Enero 2018 de 517.11 MMC, cuyo incremento en el año 2017 ha sido de 29.130 MMC.

Que, mediante proveído inserto en el Memorando N° 066/2018-GRP-PECHP-406007.PCD, de fecha 05 de febrero del 2018, se solicita al Jefe (e) de la División de Hidrometeorología elabore la Curva Cota-Volumen, teniendo en cuenta el volumen de la sedimentación determinada a Enero 2018.

Que, el Jefe de la División de Hidrometeorología hace llegar a la Dirección de Operación y Mantenimiento, mediante Memorando N° 023/2018-GRP-PECHP-406007-HDR de fecha 15 de febrero 2018, la Curva Cota – Volumen y el desagregado de los volúmenes para diferentes niveles de embalse, que se aplicaría a partir de la fecha;

Que, con el memorando del "Visto", el Director de Operación y Mantenimiento emite el Informe Final de Medición de Sedimentos en el Embalse de la Presa Poechos 2017 y la Curva Cota Volumen Año 2018, así como el volumen de los diferentes niveles del Embalse Poechos, que se aplicaría a partir de la fecha, a fin de que se proceda a la aprobación correspondiente;

Contando con las visaciones de la Dirección de Operación y Mantenimiento y de la Oficina de Asesoría Jurídica;

Estando a lo expuesto y en uso de las atribuciones conferidas al Gerente General en el literal m), artículo 15, párrafo III.II.1.2 capítulo II, título III del Manual de Operaciones del



Resolución Gerencial

N° 015 /2018-GRP-PECHP-406000

Piura, 28 FEB. 2018

Proyecto Especial Chira Piura, aprobado con Ordenanza Regional N° 353-2016/GRP-CR de fecha 26 de abril del 2016, publicado en el Diario Oficial "El Peruano" el día 06 de mayo del 2016, y Resolución Ejecutiva Regional N° 019/2015/GOBIERNO REGIONAL PIURA-PR de fecha 01 de Enero 2015;



SE RESUELVE:

ARTÍCULO PRIMERO: APROBAR la Curva Cota-Volumen para el Año 2018 de la Presa Poechos (Anexo A) y el Desagregado de Volúmenes para diferentes niveles de embalse (Anexo B), que forman parte integrante de la presente Resolución.



ARTÍCULO SEGUNDO: Notifíquese la presente Resolución a la Gerencia General Regional del Gobierno Regional Piura, a la Dirección de Operaciones y Mantenimiento, y demás órganos administrativos del PECHP.

REGÍSTRESE, COMUNÍQUESE Y CÚMPLASE.

GOBIERNO REGIONAL PIURA
Proyecto Especial Chira Piura

Ing. Juan Luis Silva García
Gerente General



Piura, de de 201.....

Pase a:

Para:

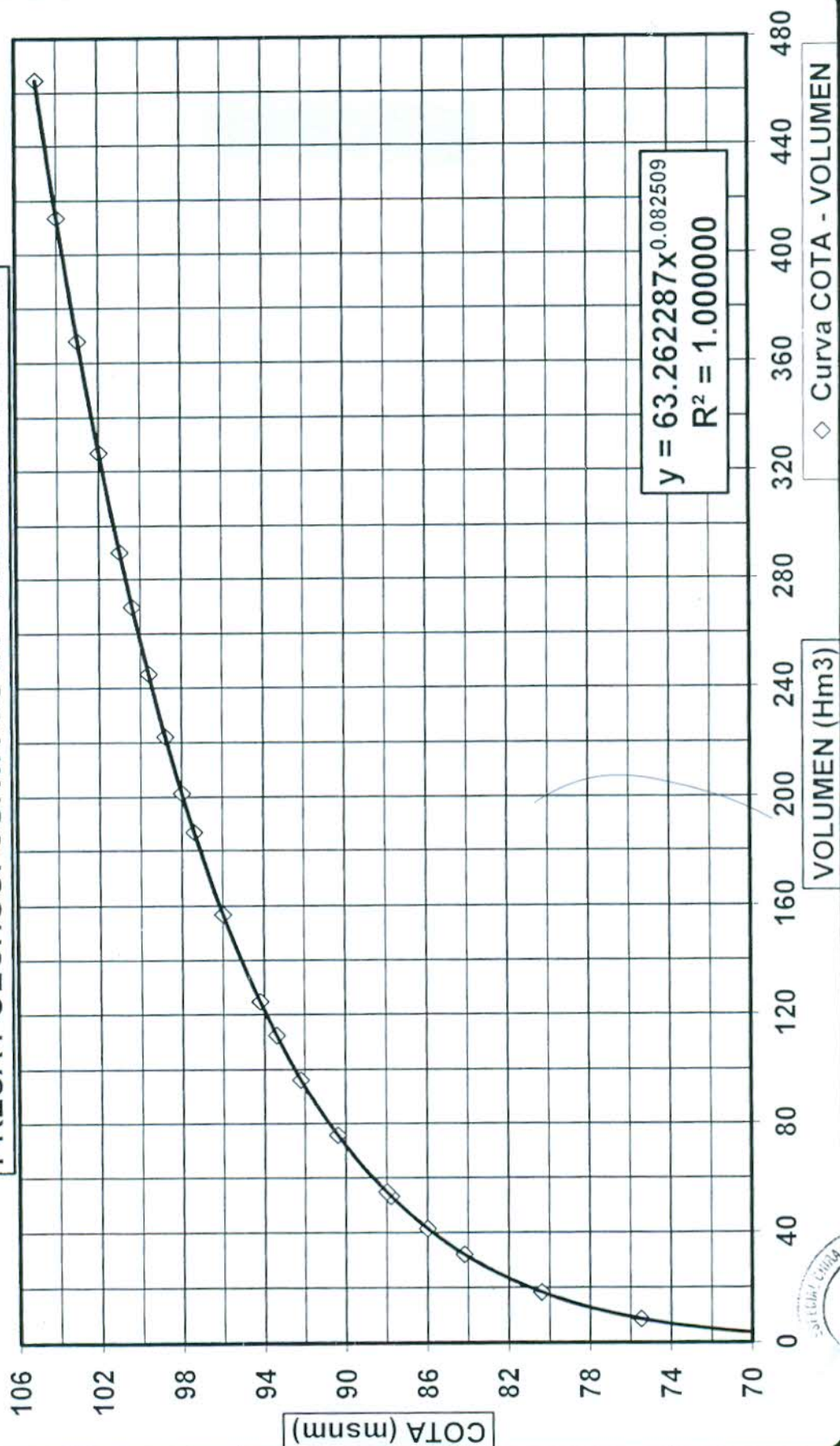
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Dirección de Operación y Mantenimiento

PRESA POECHOS: CURVA COTA - VOLUMEN AÑO 2018



GOBIERNO REGIONAL PIURA
PROYECTO ESPECIAL CHIRA - PIURA
DIRECCION DE OPERACIÓN Y MANTENIMIENTO

ANEXO N° B

PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018
(m.s.n.m. / Hm3)

$Y = 1.480E-22X^{12.1199235}$ (Con Batimetría del Año 2017)

1.480E-22 12.1199		$Y = 1.480 E-22 X^{12.1199235}$									14-feb-18
Cota	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Cota
70	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.9	4.0	70
71	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.6	4.6	4.7	71
72	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.4	5.5	5.6	72
73	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	73
74	6.7	6.8	6.9	7.0	7.1	7.3	7.4	7.5	7.6	7.7	74
75	7.9	8.0	8.1	8.3	8.4	8.5	8.7	8.8	8.9	9.1	75
76	9.2	9.4	9.5	9.7	9.8	10.0	10.2	10.3	10.5	10.7	76
77	10.8	11.0	11.2	11.3	11.5	11.7	11.9	12.1	12.3	12.5	77
78	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	78
79	14.8	15.0	15.2	15.5	15.7	15.9	16.2	16.4	16.7	16.9	79
80	17.2	17.5	17.7	18.0	18.3	18.6	18.8	19.1	19.4	19.7	80
81	20.0	20.3	20.6	20.9	21.2	21.5	21.9	22.2	22.5	22.9	81
82	23.2	23.5	23.9	24.3	24.6	25.0	25.3	25.7	26.1	26.5	82
83	26.9	27.3	27.7	28.1	28.5	28.9	29.3	29.8	30.2	30.6	83
84	31.1	31.5	32.0	32.4	32.9	33.4	33.9	34.4	34.9	35.4	84
85	35.9	36.4	36.9	37.4	38.0	38.5	39.1	39.6	40.2	40.7	85
86	41.3	41.9	42.5	43.1	43.7	44.3	45.0	45.6	46.2	46.9	86
87	47.5	48.2	48.9	49.6	50.3	51.0	51.7	52.4	53.1	53.9	87
88	54.6	55.4	56.1	56.9	57.7	58.5	59.3	60.1	60.9	61.8	88
89	62.6	63.5	64.3	65.2	66.1	67.0	67.9	68.9	69.8	70.7	89
90	71.7	72.7	73.7	74.7	75.7	76.7	77.7	78.8	79.8	80.9	90
91	82.0	83.1	84.2	85.3	86.5	87.6	88.8	90.0	91.2	92.4	91
92	93.6	94.8	96.1	97.4	98.6	99.9	101.3	102.6	103.9	105.3	92
93	106.7	108.1	109.5	110.9	112.4	113.9	115.3	116.8	118.4	119.9	93
94	121.5	123.0	124.6	126.2	127.9	129.5	131.2	132.9	134.6	136.3	94
95	138.1	139.8	141.6	143.5	145.3	147.1	149.0	150.9	152.8	154.8	95
96	156.8	158.8	160.8	162.8	164.9	166.9	169.1	171.2	173.3	175.5	96
97	177.7	180.0	182.2	184.5	186.8	189.2	191.5	193.9	196.3	198.8	97
98	201.3	203.8	206.3	208.9	211.5	214.1	216.7	219.4	222.1	224.8	98
99	227.6	230.4	233.3	236.1	239.0	241.9	244.9	247.9	250.9	254.0	99
100	257.1	260.2	263.4	266.6	269.8	273.1	276.4	279.8	283.2	286.6	100
101	290.1	293.6	297.1	300.7	304.3	307.9	311.6	315.4	319.2	323.0	101
102	326.8	330.8	334.7	338.7	342.7	346.8	350.9	355.1	359.3	363.6	102
103	367.9	372.2	376.6	381.1	385.6	390.1	394.7	399.3	404.0	408.8	103
104	413.6	418.4	423.3	428.3	433.3	438.3	443.4	448.6	453.8	459.1	104
105	464.4					JFZA	Calculo y Diseño: Jose Félix Zapata Ancajima.				105

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**PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018**

ANEXO N° B

PRESA POLCHOS: COTA/ VOLUMEN 2018										14-feb-18	
Cota	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	Cota
70.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	70.0
70.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	70.1
70.2	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	70.2
70.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	70.3
70.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	70.4
70.5	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	70.5
70.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	70.6
70.7	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	70.7
70.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	70.8
70.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	70.9
71.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	71.0
71.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	71.1
71.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	71.2
71.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	71.3
71.4	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	71.4
71.5	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	71.5
71.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	71.6
71.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	71.7
71.8	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	71.8
71.9	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	71.9
72.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	72.0
72.1	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	72.1
72.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	72.2
72.3	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	72.3
72.4	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	72.4
72.5	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	72.5
72.6	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	72.6
72.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.5	72.7
72.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	72.8
72.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	72.9
73.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8	73.0
73.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.9	73.1
73.2	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	73.2
73.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	73.3
73.4	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	73.4
73.5	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	73.5
73.6	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.4	73.6
73.7	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	73.7
73.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.6	73.8
73.9	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.7	73.9
74.0	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.8	74.0
74.1	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	74.1
74.2	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	74.2
74.3	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	74.3
74.4	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	74.4
74.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	74.5
74.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	74.6
74.7	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	74.7
74.8	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	74.8
74.9	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9	74.9



**PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018**

ANEXO N° B

14-feb-18											
Cota	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	Cota
75.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0	75.0
75.1	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1	75.1
75.2	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	75.2
75.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.4	8.4	75.3
75.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5	75.4
75.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.7	75.5
75.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.8	8.8	75.6
75.7	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	75.7
75.8	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.1	9.1	75.8
75.9	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	75.9
76.0	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.4	9.4	76.0
76.1	9.4	9.4	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	76.1
76.2	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.7	76.2
76.3	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	76.3
76.4	9.8	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	76.4
76.5	10.0	10.0	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1	76.5
76.6	10.2	10.2	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	76.6
76.7	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.5	76.7
76.8	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	76.8
76.9	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	76.9
77.0	10.8	10.8	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.0	77.0
77.1	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.2	77.1
77.2	11.2	11.2	11.2	11.2	11.2	11.3	11.3	11.3	11.3	11.3	77.2
77.3	11.3	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5	77.3
77.4	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.7	11.7	11.7	77.4
77.5	11.7	11.7	11.7	11.8	11.8	11.8	11.8	11.8	11.9	11.9	77.5
77.6	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.1	77.6
77.7	12.1	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	77.7
77.8	12.3	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	77.8
77.9	12.5	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	77.9
78.0	12.7	12.7	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	78.0
78.1	12.9	12.9	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	78.1
78.2	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.2	78.2
78.3	13.3	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.4	13.4	78.3
78.4	13.5	13.5	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.7	78.4
78.5	13.7	13.7	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.9	78.5
78.6	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.1	14.1	78.6
78.7	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.3	14.3	14.3	78.7
78.8	14.3	14.3	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	78.8
78.9	14.5	14.6	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7	78.9
79.0	14.8	14.8	14.8	14.8	14.9	14.9	14.9	14.9	15.0	15.0	79.0
79.1	15.0	15.0	15.0	15.1	15.1	15.1	15.1	15.2	15.2	15.2	79.1
79.2	15.2	15.3	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.4	79.2
79.3	15.5	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.7	15.7	79.3
79.4	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.9	15.9	15.9	79.4
79.5	15.9	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.2	79.5
79.6	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.4	16.4	16.4	79.6
79.7	16.4	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.7	79.7
79.8	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.9	16.9	16.9	79.8
79.9	16.9	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.2	79.9

A.

**PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018**

ANEXO N° B

											14-feb-18
Cota	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	Cota
80.0	17.2	17.2	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	80.0
80.1	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.7	17.7	80.1
80.2	17.7	17.8	17.8	17.8	17.8	17.9	17.9	17.9	17.9	18.0	80.2
80.3	18.0	18.0	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	80.3
80.4	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.5	18.5	18.5	80.4
80.5	18.6	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.8	18.8	80.5
80.6	18.8	18.9	18.9	18.9	18.9	19.0	19.0	19.0	19.1	19.1	80.6
80.7	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.4	80.7
80.8	19.4	19.4	19.5	19.5	19.5	19.6	19.6	19.6	19.6	19.7	80.8
80.9	19.7	19.7	19.8	19.8	19.8	19.8	19.9	19.9	19.9	20.0	80.9
81.0	20.0	20.0	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.3	81.0
81.1	20.3	20.3	20.4	20.4	20.4	20.4	20.5	20.5	20.5	20.6	81.1
81.2	20.6	20.6	20.7	20.7	20.7	20.8	20.8	20.8	20.9	20.9	81.2
81.3	20.9	20.9	21.0	21.0	21.0	21.1	21.1	21.1	21.2	21.2	81.3
81.4	21.2	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.5	21.5	81.4
81.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.8	21.8	21.8	81.5
81.6	21.9	21.9	21.9	22.0	22.0	22.0	22.1	22.1	22.1	22.2	81.6
81.7	22.2	22.2	22.3	22.3	22.3	22.4	22.4	22.4	22.5	22.5	81.7
81.8	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.8	81.8
81.9	22.9	22.9	22.9	23.0	23.0	23.0	23.1	23.1	23.1	23.2	81.9
82.0	23.2	23.2	23.3	23.3	23.3	23.4	23.4	23.4	23.5	23.5	82.0
82.1	23.5	23.6	23.6	23.7	23.7	23.7	23.8	23.8	23.8	23.9	82.1
82.2	23.9	23.9	24.0	24.0	24.0	24.1	24.1	24.1	24.2	24.2	82.2
82.3	24.3	24.3	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.6	82.3
82.4	24.6	24.6	24.7	24.7	24.8	24.8	24.8	24.9	24.9	24.9	82.4
82.5	25.0	25.0	25.1	25.1	25.1	25.2	25.2	25.2	25.3	25.3	82.5
82.6	25.3	25.4	25.4	25.5	25.5	25.5	25.6	25.6	25.6	25.7	82.6
82.7	25.7	25.8	25.8	25.8	25.9	25.9	25.9	26.0	26.0	26.1	82.7
82.8	26.1	26.1	26.2	26.2	26.3	26.3	26.3	26.4	26.4	26.4	82.8
82.9	26.5	26.5	26.6	26.6	26.6	26.7	26.7	26.8	26.8	26.8	82.9
83.0	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.2	27.2	27.2	83.0
83.1	27.3	27.3	27.3	27.4	27.4	27.5	27.5	27.5	27.6	27.6	83.1
83.2	27.7	27.7	27.8	27.8	27.8	27.9	27.9	28.0	28.0	28.0	83.2
83.3	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.4	28.4	28.4	83.3
83.4	28.5	28.5	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.9	83.4
83.5	28.9	28.9	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.3	83.5
83.6	29.3	29.4	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.7	83.6
83.7	29.8	29.8	29.8	29.9	29.9	30.0	30.0	30.1	30.1	30.1	83.7
83.8	30.2	30.2	30.3	30.3	30.4	30.4	30.5	30.5	30.5	30.6	83.8
83.9	30.6	30.7	30.7	30.8	30.8	30.8	30.9	30.9	31.0	31.0	83.9
84.0	31.1	31.1	31.2	31.2	31.3	31.3	31.3	31.4	31.4	31.5	84.0
84.1	31.5	31.6	31.6	31.7	31.7	31.8	31.8	31.8	31.9	31.9	84.1
84.2	32.0	32.0	32.1	32.1	32.2	32.2	32.3	32.3	32.4	32.4	84.2
84.3	32.4	32.5	32.5	32.6	32.6	32.7	32.7	32.8	32.8	32.9	84.3
84.4	32.9	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.3	33.3	84.4
84.5	33.4	33.4	33.5	33.5	33.6	33.6	33.7	33.7	33.8	33.8	84.5
84.6	33.9	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.3	34.3	84.6
84.7	34.4	34.4	34.5	34.5	34.6	34.6	34.7	34.7	34.8	34.8	84.7
84.8	34.9	34.9	35.0	35.0	35.1	35.1	35.2	35.2	35.3	35.3	84.8
84.9	35.4	35.4	35.5	35.5	35.6	35.6	35.7	35.7	35.8	35.8	84.9



**PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018**

ANEXO N° B

14-feb-18											
Cota	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	Cota
85.0	35.9	35.9	36.0	36.0	36.1	36.1	36.2	36.2	36.3	36.3	85.0
85.1	36.4	36.4	36.5	36.5	36.6	36.6	36.7	36.7	36.8	36.8	85.1
85.2	36.9	37.0	37.0	37.1	37.1	37.2	37.2	37.3	37.3	37.4	85.2
85.3	37.4	37.5	37.5	37.6	37.6	37.7	37.8	37.8	37.9	37.9	85.3
85.4	38.0	38.0	38.1	38.1	38.2	38.2	38.3	38.3	38.4	38.5	85.4
85.5	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.9	38.9	39.0	85.5
85.6	39.1	39.1	39.2	39.2	39.3	39.3	39.4	39.4	39.5	39.6	85.6
85.7	39.6	39.7	39.7	39.8	39.8	39.9	40.0	40.0	40.1	40.1	85.7
85.8	40.2	40.2	40.3	40.3	40.4	40.5	40.5	40.6	40.6	40.7	85.8
85.9	40.7	40.8	40.9	40.9	41.0	41.0	41.1	41.2	41.2	41.3	85.9
86.0	41.3	41.4	41.4	41.5	41.6	41.6	41.7	41.7	41.8	41.9	86.0
86.1	41.9	42.0	42.0	42.1	42.1	42.2	42.3	42.3	42.4	42.4	86.1
86.2	42.5	42.6	42.6	42.7	42.7	42.8	42.9	42.9	43.0	43.0	86.2
86.3	43.1	43.2	43.2	43.3	43.4	43.4	43.5	43.5	43.6	43.7	86.3
86.4	43.7	43.8	43.8	43.9	44.0	44.0	44.1	44.1	44.2	44.3	86.4
86.5	44.3	44.4	44.5	44.5	44.6	44.6	44.7	44.8	44.8	44.9	86.5
86.6	45.0	45.0	45.1	45.1	45.2	45.3	45.3	45.4	45.5	45.5	86.6
86.7	45.6	45.7	45.7	45.8	45.8	45.9	46.0	46.0	46.1	46.2	86.7
86.8	46.2	46.3	46.4	46.4	46.5	46.6	46.6	46.7	46.8	46.8	86.8
86.9	46.9	47.0	47.0	47.1	47.1	47.2	47.3	47.3	47.4	47.5	86.9
87.0	47.5	47.6	47.7	47.7	47.8	47.9	47.9	48.0	48.1	48.1	87.0
87.1	48.2	48.3	48.3	48.4	48.5	48.5	48.6	48.7	48.7	48.8	87.1
87.2	48.9	49.0	49.0	49.1	49.2	49.2	49.3	49.4	49.4	49.5	87.2
87.3	49.6	49.6	49.7	49.8	49.8	49.9	50.0	50.1	50.1	50.2	87.3
87.4	50.3	50.3	50.4	50.5	50.5	50.6	50.7	50.8	50.8	50.9	87.4
87.5	51.0	51.0	51.1	51.2	51.2	51.3	51.4	51.5	51.5	51.6	87.5
87.6	51.7	51.7	51.8	51.9	52.0	52.0	52.1	52.2	52.2	52.3	87.6
87.7	52.4	52.5	52.5	52.6	52.7	52.8	52.8	52.9	53.0	53.0	87.7
87.8	53.1	53.2	53.3	53.3	53.4	53.5	53.6	53.6	53.7	53.8	87.8
87.9	53.9	53.9	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.5	87.9
88.0	54.6	54.7	54.8	54.8	54.9	55.0	55.1	55.1	55.2	55.3	88.0
88.1	55.4	55.4	55.5	55.6	55.7	55.7	55.8	55.9	56.0	56.1	88.1
88.2	56.1	56.2	56.3	56.4	56.4	56.5	56.6	56.7	56.7	56.8	88.2
88.3	56.9	57.0	57.1	57.1	57.2	57.3	57.4	57.5	57.5	57.6	88.3
88.4	57.7	57.8	57.9	57.9	58.0	58.1	58.2	58.2	58.3	58.4	88.4
88.5	58.5	58.6	58.6	58.7	58.8	58.9	59.0	59.1	59.1	59.2	88.5
88.6	59.3	59.4	59.5	59.5	59.6	59.7	59.8	59.9	59.9	60.0	88.6
88.7	60.1	60.2	60.3	60.4	60.4	60.5	60.6	60.7	60.8	60.9	88.7
88.8	60.9	61.0	61.1	61.2	61.3	61.4	61.4	61.5	61.6	61.7	88.8
88.9	61.8	61.9	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.5	88.9
89.0	62.6	62.7	62.8	62.9	63.0	63.0	63.1	63.2	63.3	63.4	89.0
89.1	63.5	63.6	63.7	63.7	63.8	63.9	64.0	64.1	64.2	64.3	89.1
89.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.1	89.2
89.3	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	65.9	66.0	89.3
89.4	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.7	66.8	66.9	89.4
89.5	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.8	89.5
89.6	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	89.6
89.7	68.9	69.0	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	89.7
89.8	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.6	89.8
89.9	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	89.9



**PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018**

ANEXO N° B

14-feb-18											
Cota	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	Cota
90.0	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	90.0
90.1	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	90.1
90.2	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	90.2
90.3	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	90.3
90.4	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	90.4
90.5	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	90.5
90.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.6	78.7	90.6
90.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	90.7
90.8	79.8	79.9	80.0	80.1	80.2	80.4	80.5	80.6	80.7	80.8	90.8
90.9	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.7	81.8	81.9	90.9
91.0	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.9	83.0	91.0
91.1	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.9	84.0	84.1	91.1
91.2	84.2	84.3	84.4	84.5	84.6	84.7	84.9	85.0	85.1	85.2	91.2
91.3	85.3	85.4	85.5	85.7	85.8	85.9	86.0	86.1	86.2	86.3	91.3
91.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.3	87.4	87.5	91.4
91.5	87.6	87.7	87.8	88.0	88.1	88.2	88.3	88.4	88.5	88.7	91.5
91.6	88.8	88.9	89.0	89.1	89.2	89.4	89.5	89.6	89.7	89.8	91.6
91.7	90.0	90.1	90.2	90.3	90.4	90.6	90.7	90.8	90.9	91.0	91.7
91.8	91.2	91.3	91.4	91.5	91.6	91.8	91.9	92.0	92.1	92.2	91.8
91.9	92.4	92.5	92.6	92.7	92.9	93.0	93.1	93.2	93.3	93.5	91.9
92.0	93.6	93.7	93.8	94.0	94.1	94.2	94.3	94.5	94.6	94.7	92.0
92.1	94.8	95.0	95.1	95.2	95.3	95.5	95.6	95.7	95.8	96.0	92.1
92.2	96.1	96.2	96.3	96.5	96.6	96.7	96.8	97.0	97.1	97.2	92.2
92.3	97.4	97.5	97.6	97.7	97.9	98.0	98.1	98.3	98.4	98.5	92.3
92.4	98.6	98.8	98.9	99.0	99.2	99.3	99.4	99.6	99.7	99.8	92.4
92.5	99.9	100.1	100.2	100.3	100.5	100.6	100.7	100.9	101.0	101.1	92.5
92.6	*101.3	101.4	101.5	101.7	101.8	101.9	102.1	102.2	102.3	102.5	92.6
92.7	102.6	102.7	102.9	103.0	103.1	103.3	103.4	103.5	103.7	103.8	92.7
92.8	103.9	104.1	104.2	104.4	104.5	104.6	104.8	104.9	105.0	105.2	92.8
92.9	105.3	105.4	105.6	105.7	105.9	106.0	106.1	106.3	106.4	106.6	92.9
93.0	106.7	106.8	107.0	107.1	107.2	107.4	107.5	107.7	107.8	107.9	93.0
93.1	108.1	108.2	108.4	108.5	108.7	108.8	108.9	109.1	109.2	109.4	93.1
93.2	109.5	109.6	109.8	109.9	110.1	110.2	110.4	110.5	110.6	110.8	93.2
93.3	110.9	111.1	111.2	111.4	111.5	111.7	111.8	112.0	112.1	112.2	93.3
93.4	112.4	112.5	112.7	112.8	113.0	113.1	113.3	113.4	113.6	113.7	93.4
93.5	113.9	114.0	114.1	114.3	114.4	114.6	114.7	114.9	115.0	115.2	93.5
93.6	115.3	115.5	115.6	115.8	115.9	116.1	116.2	116.4	116.5	116.7	93.6
93.7	116.8	117.0	117.1	117.3	117.4	117.6	117.8	117.9	118.1	118.2	93.7
93.8	118.4	118.5	118.7	118.8	119.0	119.1	119.3	119.4	119.6	119.7	93.8
93.9	119.9	120.1	120.2	120.4	120.5	120.7	120.8	121.0	121.1	121.3	93.9
94.0	121.5	121.6	121.8	121.9	122.1	122.2	122.4	122.6	122.7	122.9	94.0
94.1	123.0	123.2	123.3	123.5	123.7	123.8	124.0	124.1	124.3	124.5	94.1
94.2	124.6	124.8	124.9	125.1	125.3	125.4	125.6	125.8	125.9	126.1	94.2
94.3	126.2	126.4	126.6	126.7	126.9	127.1	127.2	127.4	127.5	127.7	94.3
94.4	127.9	128.0	128.2	128.4	128.5	128.7	128.9	129.0	129.2	129.4	94.4
94.5	129.5	129.7	129.9	130.0	130.2	130.4	130.5	130.7	130.9	131.0	94.5
94.6	131.2	131.4	131.5	131.7	131.9	132.0	132.2	132.4	132.5	132.7	94.6
94.7	132.9	133.1	133.2	133.4	133.6	133.7	133.9	134.1	134.3	134.4	94.7
94.8	134.6	134.8	134.9	135.1	135.3	135.5	135.6	135.8	136.0	136.2	94.8
94.9	136.3	136.5	136.7	136.8	137.0	137.2	137.4	137.5	137.7	137.9	94.9



**PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018**

ANEXO N° B

14-feb-18											
Cota	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	Cota
95.0	138.1	138.3	138.4	138.6	138.8	139.0	139.1	139.3	139.5	139.7	95.0
95.1	139.8	140.0	140.2	140.4	140.6	140.7	140.9	141.1	141.3	141.5	95.1
95.2	141.6	141.8	142.0	142.2	142.4	142.5	142.7	142.9	143.1	143.3	95.2
95.3	143.5	143.6	143.8	144.0	144.2	144.4	144.6	144.7	144.9	145.1	95.3
95.4	145.3	145.5	145.7	145.8	146.0	146.2	146.4	146.6	146.8	147.0	95.4
95.5	147.1	147.3	147.5	147.7	147.9	148.1	148.3	148.5	148.6	148.8	95.5
95.6	149.0	149.2	149.4	149.6	149.8	150.0	150.2	150.4	150.5	150.7	95.6
95.7	150.9	151.1	151.3	151.5	151.7	151.9	152.1	152.3	152.5	152.7	95.7
95.8	152.8	153.0	153.2	153.4	153.6	153.8	154.0	154.2	154.4	154.6	95.8
95.9	154.8	155.0	155.2	155.4	155.6	155.8	156.0	156.2	156.4	156.6	95.9
96.0	156.8	157.0	157.2	157.4	157.6	157.8	158.0	158.2	158.4	158.6	96.0
96.1	158.8	159.0	159.2	159.4	159.6	159.8	160.0	160.2	160.4	160.6	96.1
96.2	160.8	161.0	161.2	161.4	161.6	161.8	162.0	162.2	162.4	162.6	96.2
96.3	162.8	163.0	163.2	163.4	163.6	163.8	164.0	164.2	164.4	164.7	96.3
96.4	164.9	165.1	165.3	165.5	165.7	165.9	166.1	166.3	166.5	166.7	96.4
96.5	166.9	167.2	167.4	167.6	167.8	168.0	168.2	168.4	168.6	168.8	96.5
96.6	169.1	169.3	169.5	169.7	169.9	170.1	170.3	170.5	170.8	171.0	96.6
96.7	171.2	171.4	171.6	171.8	172.1	172.3	172.5	172.7	172.9	173.1	96.7
96.8	173.3	173.6	173.8	174.0	174.2	174.4	174.7	174.9	175.1	175.3	96.8
96.9	175.5	175.8	176.0	176.2	176.4	176.6	176.9	177.1	177.3	177.5	96.9
97.0	177.7	178.0	178.2	178.4	178.6	178.9	179.1	179.3	179.5	179.7	97.0
97.1	180.0	180.2	180.4	180.6	180.9	181.1	181.3	181.6	181.8	182.0	97.1
97.2	182.2	182.5	182.7	182.9	183.1	183.4	183.6	183.8	184.1	184.3	97.2
97.3	184.5	184.7	185.0	185.2	185.4	185.7	185.9	186.1	186.4	186.6	97.3
97.4	186.8	187.1	187.3	187.5	187.8	188.0	188.2	188.5	188.7	188.9	97.4
97.5	189.2	189.4	189.6	189.9	190.1	190.3	190.6	190.8	191.1	191.3	97.5
97.6	191.5	191.8	192.0	192.2	192.5	192.7	193.0	193.2	193.4	193.7	97.6
97.7	193.9	194.2	194.4	194.6	194.9	195.1	195.4	195.6	195.9	196.1	97.7
97.8	196.3	196.6	196.8	197.1	197.3	197.6	197.8	198.1	198.3	198.5	97.8
97.9	198.8	199.0	199.3	199.5	199.8	200.0	200.3	200.5	200.8	201.0	97.9
98.0	201.3	201.5	201.8	202.0	202.3	202.5	202.8	203.0	203.3	203.5	98.0
98.1	203.8	204.0	204.3	204.5	204.8	205.0	205.3	205.5	205.8	206.0	98.1
98.2	206.3	206.6	206.8	207.1	207.3	207.6	207.8	208.1	208.3	208.6	98.2
98.3	208.9	209.1	209.4	209.6	209.9	210.2	210.4	210.7	210.9	211.2	98.3
98.4	211.5	211.7	212.0	212.2	212.5	212.8	213.0	213.3	213.5	213.8	98.4
98.5	214.1	214.3	214.6	214.9	215.1	215.4	215.7	215.9	216.2	216.5	98.5
98.6	216.7	217.0	217.3	217.5	217.8	218.1	218.3	218.6	218.9	219.1	98.6
98.7	219.4	219.7	219.9	220.2	220.5	220.7	221.0	221.3	221.6	221.8	98.7
98.8	222.1	222.4	222.7	222.9	223.2	223.5	223.7	224.0	224.3	224.6	98.8
98.9	224.8	225.1	225.4	225.7	226.0	226.2	226.5	226.8	227.1	227.3	98.9
99.0	227.6	227.9	228.2	228.5	228.7	229.0	229.3	229.6	229.9	230.1	99.0
99.1	230.4	230.7	231.0	231.3	231.6	231.8	232.1	232.4	232.7	233.0	99.1
99.2	233.3	233.5	233.8	234.1	234.4	234.7	235.0	235.3	235.5	235.8	99.2
99.3	236.1	236.4	236.7	237.0	237.3	237.6	237.9	238.1	238.4	238.7	99.3
99.4	239.0	239.3	239.6	239.9	240.2	240.5	240.8	241.1	241.4	241.7	99.4
99.5	241.9	242.2	242.5	242.8	243.1	243.4	243.7	244.0	244.3	244.6	99.5
99.6	244.9	245.2	245.5	245.8	246.1	246.4	246.7	247.0	247.3	247.6	99.6
99.7	247.9	248.2	248.5	248.8	249.1	249.4	249.7	250.0	250.3	250.6	99.7
99.8	250.9	251.2	251.6	251.9	252.2	252.5	252.8	253.1	253.4	253.7	99.8
99.9	254.0	254.3	254.6	254.9	255.2	255.6	255.9	256.2	256.5	256.8	99.9



**PROYECTO ESPECIAL CHIRA-PIURA
PRESA POECHOS: COTA/VOLUMEN 2018**

ANEXO N° B

14-feb-18											
Cota	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	Cota
100.0	257.1	257.4	257.7	258.0	258.4	258.7	259.0	259.3	259.6	259.9	100.0
100.1	260.2	260.6	260.9	261.2	261.5	261.8	262.1	262.5	262.8	263.1	100.1
100.2	263.4	263.7	264.0	264.4	264.7	265.0	265.3	265.6	266.0	266.3	100.2
100.3	266.6	266.9	267.3	267.6	267.9	268.2	268.5	268.9	269.2	269.5	100.3
100.4	269.8	270.2	270.5	270.8	271.2	271.5	271.8	272.1	272.5	272.8	100.4
100.5	273.1	273.5	273.8	274.1	274.4	274.8	275.1	275.4	275.8	276.1	100.5
100.6	276.4	276.8	277.1	277.4	277.8	278.1	278.4	278.8	279.1	279.4	100.6
100.7	279.8	280.1	280.5	280.8	281.1	281.5	281.8	282.2	282.5	282.8	100.7
100.8	283.2	283.5	283.9	284.2	284.5	284.9	285.2	285.6	285.9	286.3	100.8
100.9	286.6	286.9	287.3	287.6	288.0	288.3	288.7	289.0	289.4	289.7	100.9
101.0	290.1	290.4	290.8	291.1	291.5	291.8	292.2	292.5	292.9	293.2	101.0
101.1	293.6	293.9	294.3	294.6	295.0	295.3	295.7	296.0	296.4	296.7	101.1
101.2	297.1	297.5	297.8	298.2	298.5	298.9	299.2	299.6	300.0	300.3	101.2
101.3	300.7	301.0	301.4	301.8	302.1	302.5	302.8	303.2	303.6	303.9	101.3
101.4	304.3	304.7	305.0	305.4	305.7	306.1	306.5	306.8	307.2	307.6	101.4
101.5	307.9	308.3	308.7	309.1	309.4	309.8	310.2	310.5	310.9	311.3	101.5
101.6	311.6	312.0	312.4	312.8	313.1	313.5	313.9	314.3	314.6	315.0	101.6
101.7	315.4	315.8	316.1	316.5	316.9	317.3	317.6	318.0	318.4	318.8	101.7
101.8	319.2	319.5	319.9	320.3	320.7	321.1	321.4	321.8	322.2	322.6	101.8
101.9	323.0	323.4	323.8	324.1	324.5	324.9	325.3	325.7	326.1	326.5	101.9
102.0	326.8	327.2	327.6	328.0	328.4	328.8	329.2	329.6	330.0	330.4	102.0
102.1	330.8	331.1	331.5	331.9	332.3	332.7	333.1	333.5	333.9	334.3	102.1
102.2	334.7	335.1	335.5	335.9	336.3	336.7	337.1	337.5	337.9	338.3	102.2
102.3	338.7	339.1	339.5	339.9	340.3	340.7	341.1	341.5	341.9	342.3	102.3
102.4	342.7	343.1	343.5	343.9	344.3	344.8	345.2	345.6	346.0	346.4	102.4
102.5	346.8	347.2	347.6	348.0	348.4	348.9	349.3	349.7	350.1	350.5	102.5
102.6	350.9	351.3	351.8	352.2	352.6	353.0	353.4	353.8	354.3	354.7	102.6
102.7	355.1	355.5	355.9	356.4	356.8	357.2	357.6	358.0	358.5	358.9	102.7
102.8	359.3	359.7	360.2	360.6	361.0	361.4	361.9	362.3	362.7	363.1	102.8
102.9	363.6	364.0	364.4	364.9	365.3	365.7	366.1	366.6	367.0	367.4	102.9
103.0	367.9	368.3	368.7	369.2	369.6	370.0	370.5	370.9	371.3	371.8	103.0
103.1	372.2	372.7	373.1	373.5	374.0	374.4	374.9	375.3	375.7	376.2	103.1
103.2	376.6	377.1	377.5	378.0	378.4	378.8	379.3	379.7	380.2	380.6	103.2
103.3	381.1	381.5	382.0	382.4	382.9	383.3	383.8	384.2	384.7	385.1	103.3
103.4	385.6	386.0	386.5	386.9	387.4	387.8	388.3	388.7	389.2	389.7	103.4
103.5	390.1	390.6	391.0	391.5	391.9	392.4	392.9	393.3	393.8	394.2	103.5
103.6	394.7	395.2	395.6	396.1	396.6	397.0	397.5	397.9	398.4	398.9	103.6
103.7	399.3	399.8	400.3	400.7	401.2	401.7	402.2	402.6	403.1	403.6	103.7
103.8	404.0	404.5	405.0	405.5	405.9	406.4	406.9	407.4	407.8	408.3	103.8
103.9	408.8	409.3	409.7	410.2	410.7	411.2	411.6	412.1	412.6	413.1	103.9
104.0	413.6	414.1	414.5	415.0	415.5	416.0	416.5	417.0	417.4	417.9	104.0
104.1	418.4	418.9	419.4	419.9	420.4	420.9	421.4	421.8	422.3	422.8	104.1
104.2	423.3	423.8	424.3	424.8	425.3	425.8	426.3	426.8	427.3	427.8	104.2
104.3	428.3	428.8	429.3	429.8	430.3	430.8	431.3	431.8	432.3	432.8	104.3
104.4	433.3	433.8	434.3	434.8	435.3	435.8	436.3	436.8	437.3	437.8	104.4
104.5	438.3	438.8	439.3	439.9	440.4	440.9	441.4	441.9	442.4	442.9	104.5
104.6	443.4	444.0	444.5	445.0	445.5	446.0	446.5	447.0	447.6	448.1	104.6
104.7	448.6	449.1	449.6	450.2	450.7	451.2	451.7	452.3	452.8	453.3	104.7
104.8	453.8	454.3	454.9	455.4	455.9	456.5	457.0	457.5	458.0	458.6	104.8
104.9	459.1	459.6	460.2	460.7	461.2	461.8	462.3	462.8	463.4	463.9	104.9
105.0	464.4					JFZA	Calculo y Diseño: Jose Félix Zapata Ancajima.				105.0

