Material Rodante (trenes)

	Monto / Cálculo	Unidad	Nomenclatura
Inversión Total de las Inversiones en Material Rodante Complementario (Trenes):	187,539,520.94	Dólares	= IT_{trenes}
Tasa de Financiamiento del Material Rodante Complementario (Trenes):	= i	Porcentaje	= i_{trenes}
Tasa de Financiamiento Mensual del Material Rodante Complementario (Trenes):	$= [(1 + i_{trenes})^{(1/12)}] - 1$	Porcentaje	= im_{trenes}
Tasa de Financiamiento Trimestral del Material Rodante Complementario (Trenes):	$= [(1 + i_{trenes})^{(90/360)}] - 1$	Porcentaje	= it_{trenes}
Cierre Financiero de Trenes:	dd/mm/aaaa	Fecha	=CF_{trenes}
Último Día del semestre calendario correspondiente en que culmine la etapa de Pruebas de Puesta en Marcha correspondiente a la última unidad (tren) con conformación de cinco (5) coches. En caso que la culminación de la etapa de pruebas de puesta en marcha correspondiente a la última unidad (tren) con conformación de cinco (5) coches se realice dentro de los últimos dos (2) meses del Semestre calendario, la fecha será el último día del Trimestre calendario inmediatamente siguiente al vencimiento del Semestre Calendario correspondiente en que culmine la etapa de prueba de puesta en marcha antes indicado:	dd/mm/aaaa	Fecha	=CA_{trenes}
Último día hábil del semestre calendario siguiente a la fecha prevista en el Calendario de Inversión en Material Rodante Complementario para la conclusión de la etapa de Pruebas de Puesta en Marcha correspondiente a la última unidad (tren) con conformación de cinco (5) coches. :	dd/mm/aaaa	Fecha	=AO_{trenes}
Numeros de meses para Factor de Actualizacion:	$= [MIN (AO_{trenes}, CA_{trenes}) - CF_{trenes}] / 30$	Meses	= n_{trenes}
Factor de Actualización (fa_2)	$= (1 + im_{trenes})^{n_{trenes}}$	Factor	= fa_2
Valor de Inversión en Material Rodante Complementario Ajustado (trenes):	$= IT_{trenes} \times fa_2$	Dólares	= ITA_{trenes}
Factor de Conversión (fc_2)	$= \frac{it_{trenes} * (1 + it_{trenes})^{56}}{(1 + it_{trenes})^{56} - 1}$	Factor	= fc_2
Pago Anual por Obras Trenes	$= ITA_{trenes} * fc_2$	Dólares	=$CPAO_{trenes}$
Fecha de Pago del Primer $CPAO_{trenes}$	dd/mm/aaaa	Fecha	= X

Fecha	Hito	X	X + 3m	X + 6m	X + 9m	X + 12m	X + 15m	X + 18m	X + 21m	X + 24m	X + 27m	X + 30m	X + 33m
$CPAO_{trenes}$ 1	Entrega CIF CALLAO de Tren 1	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 2	Entrega CIF CALLAO de Tren 2	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 3	Culminación de las Pruebas de Puesta en Marcha Tren 1	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 4	Culminación de las Pruebas de Puesta en Marcha Tren 2	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 5	Entrega CIF CALLAO de Tren 3	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 6	Entrega CIF CALLAO de Tren 4	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 7	Culminación de las Pruebas de Puesta en Marcha Tren 3	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 8	Culminación de las Pruebas de Puesta en Marcha Tren 4	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 9	Entrega CIF CALLAO de Tren 5	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 10	Entrega CIF CALLAO de Tren 6	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 11	Culminación de las Pruebas de Puesta en Marcha Tren 5	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 12	Culminación de las Pruebas de Puesta en Marcha Tren 6	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 13	Entrega CIF CALLAO de Tren 7	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 14	Entrega CIF CALLAO de Tren 8	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 15	Culminación de las Pruebas de Puesta en Marcha Tren 7	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 16	Culminación de las Pruebas de Puesta en Marcha Tren 8	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 17	Entrega CIF CALLAO de Tren 9	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 18	Entrega CIF CALLAO de Tren 10	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 19	Culminación de las Pruebas de Puesta en Marcha Tren 9	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 20	Culminación de las Pruebas de Puesta en Marcha Tren 10	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 21	Entrega CIF CALLAO de Tren 11	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 22	Entrega CIF CALLAO de Tren 12	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 23	Culminación de las Pruebas de Puesta en Marcha Tren 11	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 24	Culminación de las Pruebas de Puesta en Marcha Tren 12	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 25	Entrega CIF CALLAO de Tren 13	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 26	Entrega CIF CALLAO de Tren 14	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 27	Culminación de las Pruebas de Puesta en Marcha Tren 13	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 28	Culminación de las Pruebas de Puesta en Marcha Tren 14	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 29	Entrega CIF CALLAO de Tren 15	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 30	Entrega CIF CALLAO de Tren 16	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 31	Culminación de las Pruebas de Puesta en Marcha Tren 15	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 32	Culminación de las Pruebas de Puesta en Marcha Tren 16	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 33	Entrega CIF CALLAO de Tren 17	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 34	Entrega CIF CALLAO de Tren 18	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 35	Culminación de las Pruebas de Puesta en Marcha Tren 17	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 36	Culminación de las Pruebas de Puesta en Marcha Tren 18	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 37	Entrega CIF CALLAO de Tren 19	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 38	Entrega CIF CALLAO de Tren 20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 39	Culminación de las Pruebas de Puesta en Marcha Tren 19	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 40	Culminación de las Pruebas de Puesta en Marcha Tren 20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20

Fecha	Hito	X + 36m	X + 39m	X + 42m	X + 45m	X + 48m	X + 51m	X + 54m	X + 57m	X + 60m	X + 63m	X + 66m	X + 69m
$CPAO_{trenes}$ 1	Entrega CIF CALLAO de Tren 1	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 2	Entrega CIF CALLAO de Tren 2	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 3	Culminación de las Pruebas de Puesta en Marcha Tren 1	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 4	Culminación de las Pruebas de Puesta en Marcha Tren 2	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 5	Entrega CIF CALLAO de Tren 3	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 6	Entrega CIF CALLAO de Tren 4	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 7	Culminación de las Pruebas de Puesta en Marcha Tren 3	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 8	Culminación de las Pruebas de Puesta en Marcha Tren 4	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 9	Entrega CIF CALLAO de Tren 5	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 10	Entrega CIF CALLAO de Tren 6	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 11	Culminación de las Pruebas de Puesta en Marcha Tren 5	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 12	Culminación de las Pruebas de Puesta en Marcha Tren 6	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 13	Entrega CIF CALLAO de Tren 7	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 14	Entrega CIF CALLAO de Tren 8	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 15	Culminación de las Pruebas de Puesta en Marcha Tren 7	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 16	Culminación de las Pruebas de Puesta en Marcha Tren 8	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 17	Entrega CIF CALLAO de Tren 9	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 18	Entrega CIF CALLAO de Tren 10	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 19	Culminación de las Pruebas de Puesta en Marcha Tren 9	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 20	Culminación de las Pruebas de Puesta en Marcha Tren 10	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 21	Entrega CIF CALLAO de Tren 11	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 22	Entrega CIF CALLAO de Tren 12	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 23	Culminación de las Pruebas de Puesta en Marcha Tren 11	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 24	Culminación de las Pruebas de Puesta en Marcha Tren 12	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 25	Entrega CIF CALLAO de Tren 13	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 26	Entrega CIF CALLAO de Tren 14	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 27	Culminación de las Pruebas de Puesta en Marcha Tren 13	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 28	Culminación de las Pruebas de Puesta en Marcha Tren 14	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 29	Entrega CIF CALLAO de Tren 15	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 30	Entrega CIF CALLAO de Tren 16	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 31	Culminación de las Pruebas de Puesta en Marcha Tren 15	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 32	Culminación de las Pruebas de Puesta en Marcha Tren 16	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 33	Entrega CIF CALLAO de Tren 17	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 34	Entrega CIF CALLAO de Tren 18	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 35	Culminación de las Pruebas de Puesta en Marcha Tren 17	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 36	Culminación de las Pruebas de Puesta en Marcha Tren 18	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 37	Entrega CIF CALLAO de Tren 19	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 38	Entrega CIF CALLAO de Tren 20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20	=$CPAO_{trenes}$*60%/20
$CPAO_{trenes}$ 39	Culminación de las Pruebas de Puesta en Marcha Tren 19	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20
$CPAO_{trenes}$ 40	Culminación de las Pruebas de Puesta en Marcha Tren 20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20	=$CPAO_{trenes}$*10%/20

Asesor Legal VºBº GyM Ferrovias S.A.

Gerencia General VºBº GyM Ferrovias S.A.

Viceministro de Transportes M.T.C.

Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental
JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015 MTC/01
Reg. N° 4563
ES COPIA FIEL DEL ORIGINAL
13 JUL. 2016

DIR. GRAL. DE CONCESIONES EN TRANSPORTES
DIRECTOR GENERAL
M.T.C.

Fecha

X + 72m	X + 75m	X + 78m	X + 81m	X + 84m	X + 87m	X + 90m	X + 93m	X + 96m	X + 99m	X + 102m	X + 105m	X + 108m	X + 111m	X + 114m	X + 117m	X + 120m	X + 123m	X + 126m	X + 129m	X + 132m	X + 135m	X + 138m	X + 141m	X + 144m	X + 147m	X + 150m	X + 153m	X + 155m
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20	=CPAO_____*10%/20
=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20	=CPAO_____*60%/20
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Asesor Legal
V°B°
GyM Ferrovías S.A.

Gerencia General
V°B°
GyM Ferrovías S.A.

Administrador de Contratos
M.T.C.

Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental
JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015 MTC/01
Reg. N° 0563
ES COPIA FIEL DEL ORIGINAL
13 JUL. 2016

Dirección General de Concesiones en Transportes
DIRECTOR GENERAL
M.T.C.

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Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental

JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015-MTC/01

Reg. N° 4563

ES COPIA FIEL DEL ORIGINAL
13 JUL. 2016

Viceministerio de Transportes
M.T.C.

DIRECTOR GENERAL
DIR. GRAL. DE CONCESIONES FERROVIARIAS
M.T.C.

Asesor Legal
V°B°
GM Ferrovías S.A.

Gerencia General
V°B°
GM Ferrovías S.A.

Material Rodante (coches)

	Monto / Cálculo	Unidad	Nomenclatura
Inversión Total de las Inversiones en Material Rodante Complementario (Coches):	73,179,413.16	Dólares	$= IT_{coches}$
Tasa de Cálculo Coches:	= i	Porcentaje	$= i_{coches}$
Tasa de Cálculo Coches mensual:	$= [(1 + i_{coches})^{(1/12)}] - 1$	Porcentaje	$= im_{coches}$
Tasa de Cálculo Coches trimestral:	$= [(1 + i_{coches})^{(90/360)}] - 1$	Porcentaje	$= it_{coches}$
Cierre Financiero de Coches:	dd/mm/aaaa	Fecha	$=CF_{coches}$
Último Día del semestre calendario correspondiente en que culmine la etapa de Pruebas de Puesta en Marcha correspondiente a la última unidad (tren) con conformación de seis (6) coches. En caso que la culminación de la etapa de pruebas de puesta en marcha correspondiente a la última unidad (tren) con conformación de seis (6) coches se realice dentro de los últimos dos (2) meses del Semestre calendario, la fecha será el último día del Trimestre calendario inmediatamente siguiente al vencimiento del Semestre Calendario correspondiente en que culmine la etapa de prueba de puesta en marcha antes indicado:	dd/mm/aaaa	Fecha	$=CA_{coches}$
Último día hábil del semestre calendario siguiente a la fecha prevista en el Calendario de Inversión en Material Rodante Complementario para la conclusión de la etapa de Pruebas de Puesta en Marcha correspondiente a la última unidad (tren) con conformación de seis (6) coches. :	dd/mm/aaaa	Fecha	$=AO_{coches}$
Numeros de meses para Factor de Actualizacion	$= [MIN(AO_{coches}, CA_{coches}) - CF_{coches}] / 30$	Meses	$= n_{coches}$
Factor de Actualización (fa_3)	$= (1 + im_{coches})^{n\ coches}$	Factor	$= fa_3$
Valor de Inversión en Material Rodante Complementario Ajustado (Coches):	$= IT_{coches} \times fa_3$	Dólares	$= ITA_{coches}$
Factor de Conversión (fc_3)	$= \frac{it_{coches} * (1 + it_{coches})^{56}}{(1 + it_{coches})^{56} - 1}$	Factor	$= fc_3$
Pago Anual por Obras Coches	$= ITA_{coches} * fc_3$	Dólares	$=CPAO_{coches}$
Fecha de Pago del Primer $CPAO_{coches}$	dd/mm/aaaa	Fecha	= X

Fecha	Hito	X	X + 3m	X + 6m	X + 9m	X + 12m	X + 15m	X + 18m	X + 21m	X + 24m	X + 27m	X + 30m	X + 33m	X + 36m	X + 39m	X + 42m	X + 45m	X + 48m	X + 51m	X + 54m	X + 57m	X + 60m	X + 63m
$CPAO_{trenes}$ 1	Culminación de las Pruebas de Puesta en Marcha Coche 1	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 2	Culminación de las Pruebas de Puesta en Marcha Coche 2	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 3	Culminación de las Pruebas de Puesta en Marcha Coche 3	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 4	Culminación de las Pruebas de Puesta en Marcha Coche 4	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 5	Culminación de las Pruebas de Puesta en Marcha Coche 5	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 6	Culminación de las Pruebas de Puesta en Marcha Coche 6	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 7	Culminación de las Pruebas de Puesta en Marcha Coche 7	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 8	Culminación de las Pruebas de Puesta en Marcha Coche 8	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 9	Culminación de las Pruebas de Puesta en Marcha Coche 9	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 10	Culminación de las Pruebas de Puesta en Marcha Coche 10	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 11	Culminación de las Pruebas de Puesta en Marcha Coche 11	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 12	Culminación de las Pruebas de Puesta en Marcha Coche 12	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 13	Culminación de las Pruebas de Puesta en Marcha Coche 13	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 14	Culminación de las Pruebas de Puesta en Marcha Coche 14	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 15	Culminación de las Pruebas de Puesta en Marcha Coche 15	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 16	Culminación de las Pruebas de Puesta en Marcha Coche 16	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 17	Culminación de las Pruebas de Puesta en Marcha Coche 17	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 18	Culminación de las Pruebas de Puesta en Marcha Coche 18	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 19	Culminación de las Pruebas de Puesta en Marcha Coche 19	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 20	Culminación de las Pruebas de Puesta en Marcha Coche 20	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 21	Culminación de las Pruebas de Puesta en Marcha Coche 21	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 22	Culminación de las Pruebas de Puesta en Marcha Coche 22	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 23	Culminación de las Pruebas de Puesta en Marcha Coche 23	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 24	Culminación de las Pruebas de Puesta en Marcha Coche 24	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 25	Culminación de las Pruebas de Puesta en Marcha Coche 25	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 26	Culminación de las Pruebas de Puesta en Marcha Coche 26	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 27	Culminación de las Pruebas de Puesta en Marcha Coche 27	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 28	Culminación de las Pruebas de Puesta en Marcha Coche 28	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 29	Culminación de las Pruebas de Puesta en Marcha Coche 29	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 30	Culminación de las Pruebas de Puesta en Marcha Coche 30	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 31	Culminación de las Pruebas de Puesta en Marcha Coche 31	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 32	Culminación de las Pruebas de Puesta en Marcha Coche 32	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 33	Culminación de las Pruebas de Puesta en Marcha Coche 33	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 34	Culminación de las Pruebas de Puesta en Marcha Coche 34	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 35	Culminación de las Pruebas de Puesta en Marcha Coche 35	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 36	Culminación de las Pruebas de Puesta en Marcha Coche 36	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 37	Culminación de las Pruebas de Puesta en Marcha Coche 37	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 38	Culminación de las Pruebas de Puesta en Marcha Coche 38	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39
$CPAO_{trenes}$ 39	Culminación de las Pruebas de Puesta en Marcha Coche 39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39	=$CPAO_{coches}$*70%/39

Asesor Legal V°B° GyM Ferrovías S.A.

Gerencia General V°B° GyM Ferrovías S.A.

Viceministro de Transportes M.T.C.

Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental
JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015 MTC/01
Reg. N° 4563
ES COPIA FIEL DEL ORIGINAL
13 JUL. 2016

DGRAL. DE CONCESIONES EN TRANSPORTES
DIRECTOR GENERAL
M.T.C.

Fecha

X + 66m	X + 69m	X + 72m	X + 75m	X + 78m	X + 81m	X + 84m	X + 87m	X + 90m	X + 93m	X + 96m	X + 99m	X + 102m	X + 105m	X + 108m	X + 111m	X + 114m	X + 117m	X + 120m	X + 123m	X + 126m	X + 129m	X + 132m	X + 135m	X + 138m	X + 141m	X + 144m
=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39
=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39	=CPAO cochez *70%/39
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Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental

JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015 MTC/01

Reg. N° 4383

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13 JUL. 2016

DIRECTOR GENERAL
DIRECCIÓN GENERAL DE CONCESIONES EN TRANSPORTES
MTC

Asesor Legal
V°B°
GM Ferrovías S.A.

Gerencia General
V°B°
GM Ferrovías S.A.

Viceministerio de Transportes
M.T.C.

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$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$
$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$	$=CPAO_{coches}*70\%/39$

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Asesor Legal V°B° GyM Ferrovías S.A.

Gerencia General V°B° GyM Ferrovías S.A.

Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental

JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015/MTC/01

Reg. N° 4563

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13 JUL. 2016

Obras Complementarias

	Monto / Cálculo	Unidad	Nomenclatura	Clausula
Inversión Total de las Inversiones en Obras Complementarias	136,777,473.72	Dólares	$= IT_{obras}$	
Obra 1A - Remodelación de 4 Estaciones (i.e. Villa El Salvador, Cultura, Gamarra y Bayovar)	15,971,811.95	Dólares	11.68%	
Obra 1B - Remodelación de 1 Estación (i.e Grau)	3,992,952.99	Dólares	2.92%	
Obra 2 - Mejoras en el Sistema Eléctrico	47,831,388.14	Dólares	34.97%	
Obra 3 - Segundo Acceso al Patio de VES	16,141,570.78	Dólares	11.80%	
Obra 4 - Ampliación de Vías de Estacionamiento en el Patio de Maniobras	19,189,728.71	Dólares	14.03%	
Obra 5 - Nuevos enlaces (cambiarias) en vía principal	33,650,021.14	Dólares	24.60%	
Tasa de Cálculo Obras:	$= i$	Porcentaje	$= i_{obras}$	
Tasa de Cálculo Obras mensual:	$= [(1 + i_{obras})^{(1/12)}] - 1$	Porcentaje	$= im_{obras}$	
Tasa de Cálculo Obras trimestral:	$= [(1 + i_{obras})^{(90/360)}] - 1$	Porcentaje	$= it_{obras}$	
Cierre Financiero de Obras:	dd/mm/aaaa	Fecha	$=CF_{obras}$	
Último Día del semestre calendario correspondiente en que se firme el Acta de Aceptación de las Obras Complementarias de la última Obra Complementaria, para el caso del PAO Complementario que remunera las Obras Complementarias. En caso que la firma el Acta de Aceptación de las Obras Complementarias de la última Obra Complementaria se realice dentro de los últimos dos (2) meses del Semestre calendario, será el último día del Trimestre Calendario inmediatamente siguiente al vencimiento del Semestre Calendario correspondiente a la fecha en que firme el Acta antes indicado:	dd/mm/aaaa	Fecha	$=CA_{obras}$	
Último día hábil del semestre calendario siguiente a la fecha prevista en el Calendario de Obras Complementarias del Contrato para la firma del Acta de Aceptación de las Obras Complementarias correspondiente a la última Obra Complementaria. :	dd/mm/aaaa	Fecha	$=AO_{obras}$	
Numeros de meses para Factor de Actualizacion	$= [MIN (AO_{obras}, CA_{obras}) - CF_{obras}] / 30$	Meses	$= n_{obras}$	
Factor de Actualización (fa_1)	$= (1 + im_{obras})^{n\ obras}$	Factor	$= fa_1$	
Valor de Obras Complentarias Ajustado:	$= IT_{obras} \times fa_1$	Dólares	$= ITA_{obras}$	
Factor de Conversión (fc_1)	$= \frac{it_{obras} * (1 + it_{obras})^{56}}{(1 + it_{obras})^{56} - 1}$	Factor	$= fc_1$	
Pago Anual por Obras Obras	$= ITA_{obras} * fc_1$	Dólares	$=CPAO_{obras}$	
Fecha de Pago del Primer $CPAO_{obras}$	dd/mm/aaaa	Fecha	= X	

Fecha		X	X + 3m	X + 6m	X + 9m	X + 12m	X + 15m	X + 18m	X + 21m	X + 24m	X + 27m	X + 30m	X + 33m	X + 36m	X + 39m	X + 42m
$CPAO_{obras}$ 1A	Aprobación del Hito de Obra 1A	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$	$=CPAO_{obras}*70\%*11.68\%$
$CPAO_{obras}$ 1B	Aprobación del Hito de Obra 1B	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$	$=CPAO_{obras}*70\%*2.92\%$
$CPAO_{obras}$ 2	Aprobación del Hito de Obra 2	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$	$=CPAO_{obras}*70\%*34.97\%$
$CPAO_{obras}$ 3	Aprobación del Hito de Obra 3	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$	$=CPAO_{obras}*70\%*11.80\%$
$CPAO_{obras}$ 4	Aprobación del Hito de Obra 4	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$	$=CPAO_{obras}*70\%*14.03\%$
$CPAO_{obras}$ 5	Aprobación del Hito de Obra 5	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$	$=CPAO_{obras}*70\%*24.60\%$

Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental

JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015 MTC/01
Reg. N° 4.563
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13 JUL. 2016

DIRECTOR GENERAL
DIRECCIÓN GENERAL DE CONCESIONES EN TRANSPORTES
M.T.C.

Asesor Legal
GyM Ferrovías S.A.

Gerencia General
GyM Ferrovías S.A.

Viceministro de Transportes
M.T.C.

Fecha

X + 45m	X + 48m	X + 51m	X + 54m	X + 57m	X + 60m	X + 63m	X + 66m	X + 69m	X + 72m	X + 75m	X + 78m	X + 81m	X + 84m	X + 87m	X + 90m	X + 93m	X + 96m	X + 99m	X + 102m	X + 105m
=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%	=CPAO$_{obra}$*70% *11.68%
=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%	=CPAO$_{obra}$*70%*2.92%
=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%	=CPAO$_{obra}$*70%*34.97%
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=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%	=CPAO$_{obra}$*70%*14.03%
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DIRECTOR GENERAL
M.T.C.

Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental

JAIME CARLOS SOTO FERNANDEZ
FEDATARIO TITULAR
R.M. N° 714-2015 MTC/01

Reg. N° 4363

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13 JUL. 2016

Asesor Legal
V°B°
GyM Ferrovías S.A.

Gerencia General
V°B°
GyM Ferrovías S.A.

Viceministerio de Transportes
M.T.C.

X + 108m	X + 111m	X + 114m	X + 117m	X + 120m	X + 123m	X + 126m	X + 129m	X + 132m	X + 135m	X + 138m	X + 141m	X + 144m	X + 147m	X + 150m	X + 153m	X + 156m	X + 159m	X + 162m	X + 165m
$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$	$=CPAO_{obra1}*70\%*11.68\%$
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$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$	$=CPAO_{obra1}*70\%*34.97\%$
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$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$	$=CPAO_{obra1}*70\%*14.03\%$
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Ministerio de Transportes y Comunicaciones
Oficina de Atención al Ciudadano y Gestión Documental

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13 JUL. 2016

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Viceministerio de Transportes
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