



CUBER CONSTRUCCIONES S.A. DE C.V.
CONSTRUCCION - URBANIZACION - ESTUDIOS - PROYECTOS

H.AYUNTAMIENTO CONSTITUCIONAL DEL MUNICIPIO DE VILLA DE ALVAREZ

DIRECCION GENERAL DE PLANEACION Y DESARROLLO MUNICIPAL
DIRECCION DE CONSTRUCCION DE OBRA PUBLICA

DOC.5E.C.-

FECHA: 24 DE MAYO DE 2021
LICITACION: FISM-02-LPE-C/2021-VA
PARA: " FISM-21-006 CONSTRUCCION DE HUELLA DE CONCRETO
HIDRAÚLICO EN CALLE CARLOS DE LA MADRID BEJAR TRAMO
AV.J.MERCED CABRERA A AV. ENRIQUE CORONA MORFIN,
VILLA DE ALVAREZ".
UBICACIÓN: VILLA DE ALVAREZ, COLIMA.

PROPONE:
CUBER CONSTRUCCIONES S.A. DE C.V.

M.A.C. EDGAR RENE CRUZ BENAVIDES.
REPRESENTANTE LEGAL

LUGAR DE CELEBRACION:
DIRECCION DE CONSTRUCCION DE OBRA PUBLICA

0070

CUBER CONSTRUCCIONES S.A. DE C.V.



Cliente: H. AYUNTAMIENTO CONSTITUCIONAL DE VILLA DE ALVAREZ

Concurso No: FISM-02-LPE-C/2021-VA
 Fecha: 24/05/2021 Duración: 61 días naturales
 Obra: FISM-21-006 CONSTRUCCION DE HUELLA DE CONCRETO HIDRAULICO EN CALLE CARLOS DE LA MADRID BEJAR
 TRAMO AV. J. MERCED CABRERA A AV. ENRIQUE CORONA MORFIN, VILLA DE ALVAREZ.

DOCUMENTO
 ART 45 A.XI c

Lugar: VILLA DE ALVAREZ, Colima
 Ciudad: VILLA DE ALVAREZ, Colima
 Inicio obra: 31/05/2021 Fin obra: 30/07/2021

PROGRAMA DE EROGACIÓN DE UTILIZACIÓN MENSUAL DE MATERIALES Y EQUIPOS DE INSTALACIÓN PERMANENTE

Código	Descripción	Unidad	Costo	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8	Sem 9	Total
1.	ALAMBRE RECOCIDO	KG	\$22.00	0.018718%	0.117024%	0.117024%	0.117024%	0.117024%	0.117024%	0.117024%	0.03435%	0.007924%	0.79294%
				9.135999	63.952002	63.952002	63.952002	63.952002	63.952002	63.952002	18.271990	0.000000	411.120000
				\$200.99	\$1,406.94	\$1,406.94	\$1,406.94	\$1,406.94	\$1,406.94	\$1,406.94	\$402.01	\$9.044.64	\$9,044.64
3.	VARILLA DE 3/8" 9.5 MM	KG	\$16.00	0.027514%	0.027514%	0.027514%	0.027514%	0.027514%	0.027514%	0.027514%	0.027514%	0.007861%	0.227971%
				20.674139	20.674139	20.674139	20.674139	20.674139	20.674139	20.674139	20.674139	5.906890	171.300000
				\$330.79	\$330.79	\$330.79	\$330.79	\$330.79	\$330.79	\$330.79	\$330.79	\$94.48	\$2,740.80
4.	ACERO DE REFUERZO CON VARILLA DEL # 4	KG	\$19.00	0.014438%	0.101066%	0.101066%	0.101066%	0.101066%	0.101066%	0.101066%	0.028765%	0.007903%	0.648712%
				9.135999	63.952002	63.952002	63.952002	63.952002	63.952002	63.952002	18.271990	0.000000	411.120000
				\$173.58	\$1,215.09	\$1,215.09	\$1,215.09	\$1,215.09	\$1,215.09	\$1,215.09	\$347.16	\$7,811.28	\$7,811.28
	ACEITE	LT	\$90.00	0.056465%	0.130901%	0.138804%	0.141146%	0.141146%	0.077339%	0.047113%	0.018049%	0.007903%	0.758866%
				7.542935	17.486487	18.542177	18.855085	18.855085	10.331301	6.293673	2.411137	1.056890	101.373570
				\$678.86	\$1,573.78	\$1,668.80	\$1,696.96	\$1,696.96	\$929.82	\$566.43	\$217.00	\$95.01	\$9,123.62
	AEROROJO	PZA	\$42.24	0.014527%	0.014527%	0.014527%	0.014527%	0.014527%	0.014527%	0.014527%	0.014527%	0.004150%	0.120364%
				4.134828	4.134828	4.134828	4.134828	4.134828	4.134828	4.134828	4.134828	1.181378	34.260000
				\$174.65	\$174.65	\$174.65	\$174.65	\$174.65	\$174.65	\$174.65	\$174.65	\$48.94	\$1,447.14
	AGUA	M3	\$19.20	0.038171%	0.094650%	0.096883%	0.096883%	0.096883%	0.096883%	0.071435%	0.007816%	0.002233%	0.801836%
				23.902325	59.260012	60.666379	60.666379	60.666379	60.666379	44.731492	4.894286	1.398368	376.660000
				\$458.92	\$1,137.95	\$1,164.79	\$1,164.79	\$1,164.79	\$1,164.79	\$858.84	\$93.97	\$26.87	\$7,235.71
	CIMBRONET	M2	\$50.00	0.031663%	0.221637%	0.221637%	0.221637%	0.221637%	0.221637%	0.221637%	0.063324%	0.002233%	1.424806%
				7.613333	53.293335	53.293335	53.293335	53.293335	53.293335	53.293335	15.226658	0.000000	342.600000
				\$380.67	\$2,664.67	\$2,664.67	\$2,664.67	\$2,664.67	\$2,664.67	\$2,664.67	\$761.31	\$0.000000	\$17,130.00

Monto esta hoja:	\$2,398.46	\$8,503.47	\$8,625.73	\$8,653.89	\$7,886.75	\$7,217.41	\$2,326.89	\$266.30	\$54,533.19
Acumulado:	\$2,398.46	\$8,503.97	\$8,628.73	\$8,653.89	\$7,886.75	\$7,217.41	\$2,326.89	\$266.30	\$54,533.19

REPRESENTANTE LEGAL: ING. EDGAR RUIZ CRUZ BENAVIDES

CUBER CONSTRUCCIONES S.A. DE C.V.



Cliente: H. AYUNTAMIENTO CONSTITUCIONAL DE VILLA DE ALVAREZ

Concurso No: FISM-02-LPE-C/2021-VA
 Fecha: 24/05/2021 Duración: 61 días naturales
 Obra: FISM-21-006 CONSTRUCCION DE HUELLA DE CONCRETO HIDRAULICO EN CALLE CARLOS DE LA MADRID BEJAR
 DOCUMENTO
 ART 45 A.XI c
 TRAMO AV. J. MERCED CABRERA A AV. ENRIQUE CORONA MORFIN, VILLA DE ALVAREZ.

Inicio obra: 31/05/2021 Fin obra: 30/07/2021

Lugar: VILLA DE ALVAREZ, Colima
 Ciudad:

PROGRAMA DE EROGACIÓN DE UTILIZACIÓN MENSUAL DE MATERIALES Y EQUIPOS DE INSTALACIÓN PERMANENTE

Código	Descripción	Unidad	Costo	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8	Sem 9	Total
DIESEL	DIESEL	LT	\$18.32	0.395731% 260.358695 \$4,769.78	0.887784% 578.680756 \$10,601.43	0.933813% 612.892543 \$11,226.96	0.950675% 623.860068 \$11,429.68	0.950875% 623.860068 \$11,429.68	0.485147% 305.914260 \$5,604.35	0.250657% 164.502662 \$3,013.69	0.093579% 61.412062 \$1,125.07	0.052029% 34.144585 \$625.53	4.976100% 3265.620404 \$59,826.17
DISCODIAM	DISCO DE DIAMANTE	JGO	\$2,815.89	0.006241% 0.026547 \$75.03	0.006241% 0.026547 \$75.03	0.006241% 0.026547 \$75.03	0.006241% 0.026547 \$75.03	0.006241% 0.026547 \$75.03	0.006241% 0.026547 \$75.03	0.006241% 0.026547 \$75.03	0.005350% 0.022840 \$64.34	0.042794% 0.182720 \$514.52	0.013545% 0.005428 \$162.84
EQ-002-LL	LLANTAS PARA CAMION VOLTEO 14 M3	JGO	\$30,000.00	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.002563% 0.001027 \$30.81	0.010768% 0.0007613 \$129.43
EQ-003-LL	LLANTAS PARA COMPACTADOR BOMAG	JGO	\$17,000.30	0.000563% 0.000398 \$6.77	0.001699% 0.001124 \$19.10	0.001699% 0.001201 \$20.43	0.001699% 0.001201 \$20.43	0.001699% 0.001201 \$20.43	0.001699% 0.001201 \$20.43	0.001699% 0.001201 \$20.43	0.001699% 0.001201 \$20.43	0.001699% 0.001201 \$20.43	0.000384% 0.000272 \$4.62
EQ-007-LL	LLANTAS PARA RETRO EXCAVADORA JOHN DEERE	JGO	\$25,200.00	0.00800% 0.003244 \$81.76	0.015040% 0.007175 \$188.82	0.017533% 0.008365 \$210.79	0.018530% 0.008841 \$222.78	0.018530% 0.008841 \$222.78	0.009010% 0.004299 \$108.32	0.005068% 0.002418 \$60.93	0.003491% 0.001665 \$41.97	0.002494% 0.001190 \$29.98	0.006495% 0.046037 \$1,160.13
EQ-019-LL	LLANTAS CAMION PIPA DE 9 M3	JGO	\$7,344.00	0.000182% 0.000289 \$2.19	0.000515% 0.000643 \$6.19	0.000551% 0.000901 \$6.62	0.000551% 0.000901 \$6.62	0.000551% 0.000901 \$6.62	0.000551% 0.000901 \$6.62	0.000551% 0.000901 \$6.62	0.000551% 0.000901 \$6.62	0.000551% 0.000901 \$6.62	0.003488% 0.005710 \$41.93
EQ-MOTKM-LL	LLANTAS MOTONIVELADORA KOMATSU	JGO	\$80,000.00	0.015543% 0.002076 \$186.87	0.021760% 0.002907 \$261.62	0.021760% 0.002907 \$261.62	0.021760% 0.002907 \$261.62	0.021760% 0.002907 \$261.62	0.021760% 0.002907 \$261.62	0.021760% 0.002907 \$261.62	0.021760% 0.002907 \$261.62	0.021760% 0.002907 \$261.62	0.102565% 0.013704 \$1,235.36
REPRESENTANTE LEGAL: ING. EDGAR RENE GRUZ BENAVIDES			Monto esta hoja: Acumulado:	\$5,047.37 \$7,445.83	\$11,175.00 \$19,678.87	\$11,832.26 \$20,457.99	\$12,046.98 \$20,700.86	\$12,046.98 \$20,700.87	\$5,845.56 \$13,732.31	\$3,179.50 \$10,396.91	\$1,237.50 \$3,564.39	\$657.24 \$923.54	\$63,066.38 \$117,601.57

CUBER CONSTRUCCIONES S.A. DE C.V.



Cliente: H. AYUNTAMIENTO CONSTITUCIONAL DE VILLA DE ALVAREZ

Fecha: 24/05/2021 Duración: 61 días naturales
 Concurso No: FISM-02-LPE-C/2021-VA
 Obra: FISM-21-006 CONSTRUCCION DE HUELLA DE CONCRETO HIDRAULICO EN CALLE CARLOS DE LA MADRID BEJAR
 TRAMO AV. J. MERCED CABRERA A AV. ENRIQUE CORONA MORFIN, VILLA DE ALVAREZ.

DOCUMENTO
ART 45 A.X.I.C

Inicio obra: 31/05/2021 Fin obra: 30/07/2021

Lugar: VILLA DE ALVAREZ, Colima
 Ciudad:

PROGRAMA DE EROGACIÓN DE UTILIZACIÓN MENSUAL DE MATERIALES Y EQUIPOS DE INSTALACIÓN PERMANENTE

Código	Descripción	Unidad	Costo	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8	Sem 9	Total
GASOLINA	GASOLINA	LT	\$17.24	0.034011% 23,717,984	0.121570% 84,779,623	0.128059% 89,304,995	0.128059% 89,304,995	0.128059% 89,304,995	0.128059% 89,304,995	0.105976% 73,834,629	0.043519% 30,349,271	0.006489% 4,526,375	0.823702% 574,426,761
MAT-001	Malla electrosoldada 6x6 / 6-6	M2	\$51.04	\$4,008.90 34,274.43	\$1,461.60 \$29,921.01	\$1,539.62 \$29,921.01	\$1,539.62 \$29,921.01	\$1,539.62 \$29,921.01	\$1,539.62 \$29,921.01	\$1,272.91 \$29,921.01	\$523.22 \$8,548.85	\$78.01	\$9,903.12
MAT-002	Calhidra saco de 25 KG	PZA	\$33.00	0.011349% 4,134,628	0.011349% 4,134,628	0.011349% 4,134,628	0.011349% 4,134,628	0.011349% 4,134,628	0.011349% 4,134,628	0.011349% 4,134,628	0.011349% 4,134,628	0.003243% 1,181,378	0.094038% 34,260,000
MAT-003	Madera pino de tercera	PT	\$11.00	0.015132% 16,539,311	0.015132% 16,539,311	0.015132% 16,539,311	0.015132% 16,539,311	0.015132% 16,539,311	0.015132% 16,539,311	0.015132% 16,539,311	0.015132% 16,539,311	0.004323% 4,725,512	0.125381% 137,040,000
MAT-003	Hilo de plástico	ML	\$0.50	0.000688% 16,539,311	0.000688% 16,539,311	0.000688% 16,539,311	0.000688% 16,539,311	0.000688% 16,539,311	0.000688% 16,539,311	0.000688% 16,539,311	0.000688% 16,539,311	0.000198% 4,725,512	0.005699% 137,040,000
MEMBURA	Membrana de curado	LT	\$21.30	0.033720% 19,033,331	0.236043% 133,233,337	0.236043% 133,233,337	0.236043% 133,233,337	0.236043% 133,233,337	0.236043% 133,233,337	0.236043% 133,233,337	0.067441% 38,066,646	\$52.00	\$68.52
MR42	concreto premezclado MR 42.	M3	\$1,620.00	1.584952% 11,762,599	11.094667% 82,338,202	11.094667% 82,338,202	11.094667% 82,338,202	11.094667% 82,338,202	11.094667% 82,338,202	11.094667% 82,338,202	11.094667% 82,338,202	3.169903% 23,525,187	71.322856% 585,493,54
Monto esta hoja:				\$24,470.80	\$167,935.02	\$168,013.04	\$168,013.04	\$168,013.04	\$168,013.04	\$167,746.33	\$48,320.33	\$171.35	\$1,080,695.99
Acumulado:				\$31,916.63	\$187,613.89	\$188,471.03	\$188,713.91	\$188,713.91	\$181,745.35	\$178,143.24	\$51,884.72	\$1,094.89	\$1,199,297.56
REPRESENTANTE LEGAL: INC. EDGAR-RENE CRUZ-BENAVIDES													

CUBER CONSTRUCCIONES S.A. DE C.V.



Cliete: H. AYUNTAMIENTO CONSTITUCIONAL DE VILLA DE ALVAREZ

Concurso No: FISM-02-LPE-C/2021-VA

Fecha: 24/05/2021 Duración: 61 días naturales

Obra: FISM-21-006 CONSTRUCCION DE HUELLA DE CONCRETO HIDRAULICO EN CALLE CARLOS DE LA MADRID BEJAR

DOCUMENTO
ART 45 A.XI c

Tramo AV. J. MERCED CABRERA A AV. ENRIQUE CORONA MORFIN, VILLA DE ALVAREZ.

Lugar: VILLA DE ALVAREZ, Colima
Ciudad:

Inicio obra: 31/05/2021 Fin obra: 30/07/2021

PROGRAMA DE EROGACIÓN DE UTILIZACIÓN MENSUAL DE MATERIALES Y EQUIPOS DE INSTALACIÓN PERMANENTE

Código	Descripción	Unidad	Costo	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8	Sem 9	Total
SELMA	SELLADOR	LT	\$450.00		0.001646% 0.043967 \$19.79	0.001646% 0.043967 \$19.79	0.001646% 0.043967 \$19.79	0.001646% 0.043967 \$19.79	0.001646% 0.043967 \$19.79	0.001646% 0.043967 \$19.79	0.001411% 0.037686 \$16.93		0.011287% 0.301488 \$135.67
TIERRA	TIERRA	M3	\$260.00		0.032567% 1.390367 \$391.54	0.045594% 1.957714 \$548.16	0.045594% 1.957714 \$548.16	0.045594% 1.957714 \$548.16	0.045594% 1.957714 \$548.16	0.045594% 1.957714 \$548.16	0.045594% 1.957714 \$548.16	0.013027% 0.595347 \$156.62	0.319156% 13.704000 \$3,837.12

REPRESENTANTE LEGAL: ING. EDUARDO RIVERA CRUZ BENAVIDES	Monto esta hoja:	Acumulado:
	\$411.33	\$31,916.63
	\$188,025.22	\$189,038.98
	\$667.95	\$189,281.85
	\$667.95	\$189,281.86
	\$667.95	\$182,313.30
	\$667.95	\$178,711.19
	\$665.09	\$52,449.81
	\$156.62	\$1,251.51
	\$3,872.79	\$1,202,270.35

CUBER CONSTRUCCIONES S.A. DE C.V.



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 TRAMO AV. J. MERCED CABRERA A AV. ENRIQUE CORONA MORFIN, VILLA DE ALVAREZ.

DOCUMENTO
 ART 45 A.XI.C

Lugar: VILLA DE ALVAREZ, Colima
 Ciudad: VILLA DE ALVAREZ, Colima
 Inicio obra: 31/05/2021 Fin obra: 30/07/2021

PROGRAMA DE EROGACIÓN DE UTILIZACIÓN MENSUAL DE MATERIALES Y EQUIPOS DE INSTALACIÓN PERMANENTE

Código	Descripción	Unidad	Costo	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8	Sem 9	Total
	TOTAL DEL PRESUPUESTO MOSTRADO:			\$31,916.63	\$188,025.22	\$189,038.98	\$189,281.85	\$189,281.86	\$182,313.30	\$178,711.19	\$82,449.81	\$1,251.51	
	ACUMULADO:			\$31,916.63	\$219,941.85	\$408,980.83	\$598,262.69	\$787,544.54	\$969,857.84	\$1,148,569.03	\$1,201,018.84	\$1,202,270.35	
	PORCENTAJE PERIODO:			2.85%	13.64%	15.72%	15.74%	15.74%	15.16%	14.86%	4.36%	0.10%	
	PORCENTAJE ACUMULADO:			2.85%	16.29%	34.02%	49.76%	65.50%	80.67%	95.53%	99.90%	100.00%	
	TOTAL CANTIDAD MOSTRADA:			517.98	1,786.71	1,828.40	1,839.78	1,839.78	1,513.27	1,336.41	443.97	59.41	
	ACUMULADA:			517.98	2,304.69	4,133.09	5,972.87	7,812.65	9,325.92	10,662.33	11,106.30	11,165.70	
	PORCENTAJE PERIODO:			4.64%	16.00%	16.38%	16.48%	16.48%	13.55%	11.97%	3.98%	0.53%	
	PORCENTAJE ACUMULADO:			4.64%	20.64%	37.02%	53.49%	69.97%	83.52%	95.49%	99.47%	100.00%	