


												Doc. No.	MAT-F-11
												Rev. No.	0
												Effective Date	29-01-18
TENDER DESCRIPTION: SUPPLY, FABRICATION, ERECTION / INSTALLATION, TESTING & COMMISSIONING OF MECHANICAL WORKS FOR GGL CNG/ DCS/ LCNG STATIONS FOR GGL OPERATIONAL AREAS IN GUJARAT, DNH, MAHARASHTRA, M.P., RAJASTHAN, PUNJAB & HARYANA													
REQUIREMENT PERIOD (TENDERED DURATION): 2 Years													
Target Nos. of Contractors : Two (2)													
Sr. No.	Service code	Item Description						UOM	Base Rate (In Rs.)	Qty. for DCS (Operations)	Qty for CNG/LCNG Stations (CNG Projects)	Total SOR Qty.	Total Value (In Rs.)
1		Supply of SS 316 Tubing as per ASTM A269											
		Size	Material	Tolerance in OD	Wall Thickness	Finish	Hardness						
1.1	604631	3/4"	SS-316	(+0.005")	0.095"	Fully annealed	Rb80	M	1,451.74	645	2700	3345	48,56,070
1.2	604632	½"	SS-316	(+0.005")	0.065"	Fully annealed	Rb80	M	994.90	115	5650	5765	57,35,599
2		SS ferrule Fittings Compression type with Ferrule, Back / Ferrule and Nut as per the details mentioned under;											
		Type			Size		Material			0			
2.01	600696	Equal Union			¾" OD		SS 316	EA	1,395.90	83	430	513	7,16,097
2.02	101847	Equal Union			½" OD		SS 316	EA	810.13	27	835	862	6,98,332
2.03	600698	Equal Tee			¾" OD		SS 316	EA	2,548.15	45	110	155	3,94,963
2.04	600697	Equal Tee			½" OD		SS 316	EA	1,468.99	22	170	192	2,82,046
2.05	600699	Reducing Union			¾" OD x1/2"OD		SS 316	EA	1,391.84	29	350	379	5,27,507
2.06	600773	Nut Suitable			¾" OD		SS 316	EA	337.05	89	100	189	63,702
2.07	600771	Nut Suitable			½" OD		SS 316	EA	172.58	49	150	199	34,343
2.08	604707	Ferrule Set			¾" OD		SS 316	EA	227.40	174	100	274	62,308
2.09	604708	Ferrule Set			½" OD		SS 316	EA	158.37	71	150	221	35,000
2.1	302516	Two Way Ball Valve			½" OD		SS 316	EA	8,842.39	22	215	237	20,95,646
2.11	604621	Two Way Ball Valve			¾" OD		SS 316	EA	9,568.26	79	105	184	17,60,560
2.12	604709	Non return Valve			½" OD		SS 316	EA	5,218.13	19	45	64	3,33,960
2.13	603792	Three Way Ball Valve (1/4" x 1/4" x 1/4")						EA	10,998.68	19	25	44	4,83,942
2.14	600793	1/2" OD x 1/4" NPTM Male Connector						EA	500.49	26	45	71	35,535
2.15	600712	1/4" NPTM x 3/8" NPTF Bush						EA	892.36	12	65	77	68,712
2.16	600713	3/8" ID Thermoplastic Hose with 3/8" NPTM Male end Connections (3 Mtrs. Long).						EA	12,899.13	17	25	42	5,41,763
2.17	600710	1/2" OD x 1/4" NPT Female Connector.						EA	541.10	15	25	40	21,644

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Target Nos. of Contractors : Two (2)								
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2.18	604710	3/8" Quick Release Couplings + Nipple (e.g. Parker Part No.: SH3-62-643+SH3-63-643).	EA	9,136.80	21	25	46	4,20,293
3	603803	Installation / Erection / Hook-up, Laying including Supply of NG Tubing Heavy Duty PVC Clamps, Testing and Commissioning (Size: ¾" OD Tubing) including, Hydrotesting with 1.5 Times of Working Pressure, Pneumatic Testing, Purging with Nitrogen in the complete SS tubing and associated facilities (instrumentation, etc.) installed to the Acceptance Criteria as per approved procedure / QAP by Contractor successfully in the specified time schedule / instruction of EIC. This also includes leak test / burst test and rectification, if any.	M	314.71	590	1650	2240	7,04,950
4	600837	Charges for dismantling, shifting and installation of LCV fill post	EA	14,466.60	12	25	37	5,35,264
5	300957	Fabrication, painting, supply, erection of structure for	KG	237.56	529	25	554	1,31,608
6	601251	Charges for loading, unloading of 3000 or 4500 ltrs cascade. (Using Hydra)	EA	12,690.00	14	2	16	2,03,040
7	601250	Charges for loading, unloading of 3000 or 4500 ltrs cascade. (Using Crane)	EA	46,699.20	11	2	13	6,07,090
8	602694	Charges for shifting of Cascade from existing CNG station/stores to the upcoming Decompression station location (distance below 100 Km)	EA	12,182.40	8	2	10	1,21,824
9	602695	Charges for shifting of Cascade from existing CNG station/stores to the upcoming Decompression station location (distance between 100 to 300 Km)	EA	17,258.40	8	2	10	1,72,584

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10	603793	Charges for shifting of Cascade from existing CNG station/stores to the upcoming Decompression station location (distance above 300 Km)	EA	27,410.40	8	2	10	2,74,104
11		Supply and Erection of Portable Type Fire Extinguisher as per						
11.1	600735	Portable CO2 Type, ISI Fire Extinguisher, 4.5 Kgs.	EA	5,329.80	43	75	118	6,28,916
11.2	600736	Portable ABC Type, ISI, Fire Extinguisher, 10 Kgs./9kgs.	EA	2,385.72	55	130	185	4,41,358
11.3	701886	Portable DCP Type, ISI, Fire Extinguisher, 75 Kgs.	EA	22,334.40	15	46	61	13,62,398
11.4	603520	Sand Bucket (GI), 20 Gauge, with Stand, Durable with Red Paint.	EA	2,094.36	19	265	284	5,94,798
12 (a)	600738	Supply, Fabrication, Erection / Installation of MS Fabricated ('C' Chanel / Box Type) Asthetically Good, Robust, LCV Hook-up Filling Post for connecting 3-Banks of Cascade, including Accessories, Grouting / Anchoring, Powder Coating, as per GGL Design	EA	14,974.20	4	1	5	74,871
12 (b)	603794	Supply, Fabrication, Erection / Installation of MS Fabricated ('C' Chanel / Box Type) Asthetically Good, Robust, LCV Hook-up Filling Post for connecting Single-Banks of Cascade, including Accessories, Grouting / Anchoring, Powder Coating, as per GGL Design	EA	17,004.60	16	25	41	6,97,189
13	102674	1/2" OD x 1/4" NPTM Female Connector	EA	500.49	21	25	46	23,023
14	600714	Pressure Gauge(400 Ba ,2.5"Dia)	EA	1,370.52	28	25	53	72,638
15	603795	Supply, installation, Erection/Installation of Mass flow meter-CNG50, 1700type sensor with display (Including Supply of 50 m 2.5 sqmm 3 cover FRLS armoured Cable)	EA	2,17,760.40	15	2	17	37,01,927

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16	703864	Installation / Erection / Hook-up, Laying including Supply of NG Tubing Heavy Duty PVC Clamps, Testing and Commissioning (Size: ½"OD Tubing) including, Hydrotesting with 1.5 Times of Working Pressure, Pneumatic Testing, Purging with Nitrogen in the complete SS tubing and associated facilities (instrumentation, etc.) installed to the Acceptance Criteria as per approved procedure / QAP by Contractor successfully in the specified time schedule / instruction of EIC. This also includes leak test and rectification, if any.			M	309.64	340	5600	5940	18,39,262
17	604626	Non return Valve	3/4" OD	SS 316	EA	5,578.52	43	25	68	3,79,339
18	600745	GI Wire Mesh WT 5mm Gap 16-18WG			EA	329.94	47	75	122	40,253
19	603796	Display Board which shall include as built drawing of mechanical work layout of CNG station			EA	197.96	19	45	64	12,669
20	606611	Hydrotesting of tubing with 1.5 Times of Working Pressure			Mtrs.	101.52	511	300	811	82,333
21	604705	3/8" ID Thermoplastic Hose with 3/8" NPTM Male end Connections (1 feet).			EA	4,761.29	19	25	44	2,09,497
22	604706	COUPLING,BREAKAWAY,FILL, 3/8" 3600 psi (248 bar)			EA	25,357.67	17	25	42	10,65,022
23	604711	CONNECTOR	3/4"OD X 1/4" NPTM	SS 316	EA	2,422.27	52	5	57	1,38,069
24	604712	CONNECTOR	3/4" NPTM X 1/2"	SS 316	EA	1,598.94	40	5	45	71,952
Total Amount In Rs.										3,33,54,001