

Subject: SOR-Mechanical Hook-up works CNG station**Ref. Documents:**

No Attachment



GUJARAT ENERGY

SCHEDULE OF RATES

Doc. No.	MAT-F-11
Rev. No.	1
Effective Date	05-12-2025

TENDER DESCRIPTION: SUPPLY, FABRICATION, ERECTION / INSTALLATION, TESTING & COMMISSIONING OF MECHANICAL WORKS FOR GEL CNG STATIONS/LCNG STATIONS FOR GEL OPERATIONAL AREAS IN GUJARAT, DNH, MAHARASHTRA, M.P., RAJASTHAN, PUNJAB, HARYANA

REQUIREMENT PERIOD (TENDERED DURATION): 02 YEARS

TARGET NOS. OF CONTRACTORS ACROSS AREA/GROUP: 03 NOS OF CONTRACTOR

Sr. No.	Service code	Item Description						UOM	Qty. for requirement Period	Base Rate (In Rs.)	Value as per Base Rates (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	2500	1,348.77	33,71,925.00

1.2	604632	½"	SS-316	(+0.005")	0.065"	Fully annealed	Rb80	M	24000	924.33	2,21,83,920.00
2		SS ferrule Fittings Compression type with Ferrule, Back / Ferrule and Nut as per the details mentioned under;									
		Type			Size		Material				
2.01	600696	Equal Union			¾" OD		SS 316	EA	240	1,296.89	3,11,253.60
2.02	101847	Equal Union			½" OD		SS 316	EA	4800	752.67	36,12,816.00
2.03	600698	Equal Tee			¾" OD		SS 316	EA	120	2,367.41	2,84,089.20
2.04	600697	Equal Tee			½" OD		SS 316	EA	1800	1,364.79	24,56,622.00
2.05	600699	Reducing Union			¾" OD x1/2"OD		SS 316	EA	1200	1,293.12	15,51,744.00
2.06	600773	Nut Suitable			¾" OD		SS 316	EA	120	313.14	37,576.80
2.07	600771	Nut Suitable			½" OD		SS 316	EA	120	160.34	19,240.80
2.08	604707	Ferrule Set			¾" OD		SS 316	EA	120	211.27	25,352.40
2.09	604708	Ferrule Set			½" OD		SS 316	EA	120	147.14	17,656.80
2.1	302516	Two Way Ball Valve			½" OD		SS 316	EA	1320	8,215.20	1,08,44,064.00
2.11	604621	Two Way Ball Valve			¾" OD		SS 316	EA	120	8,889.58	10,66,749.60
2.12	604709	Non return Valve			½" OD		SS 316	EA	360	4,848.01	17,45,283.60
2.13	603792	Three Way Ball Valve (1/4"x 1/4" x 1/4")						EA	120	10,218.54	12,26,224.80

2.14	600793	1/2" OD x 1/4" NPTM Male Connector	EA	240	464.99	1,11,597.60
2.15	600712	1/4" NPTM x 3/8" NPTF Bush	EA	360	829.06	2,98,461.60
2.16	600713	3/8" ID Thermoplastic Hose with 3/8" NPTM Male end Connections (3 Mtrs. Long).	EA	80	11,984.19	9,58,735.20
2.17	600710	1/2" OD x 1/4" NPT Female Connector.	EA	360	502.72	1,80,979.20
2.18	604710	3/8" Quick Release Couplings + Nipple (e.g. Parker Part No.: SH3-62-643+SH3-63-643).	EA	80	8,488.73	6,79,098.40
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	2500	292.39	7,30,975.00
4	600837	Charges for dismantling, shifting and installation of LCV fill post	EA	15	13,440.48	2,01,607.20
5	300957	Fabrication, painting, supply, erection of structure for cascades.	KG	500	220.71	1,10,355.00
6	601251	Charges for loading, unloading of 3000 or 4500 ltrs cascade. (Using Hydra)	EA	10	11,789.90	1,17,899.00
7	601250	Charges for loading, unloading of 3000 or 4500 ltrs cascade. (Using Crane)	EA	10	43,386.83	4,33,868.30
8	602694	Charges for shifting of Cascade from existing CNG station/stores to the upcoming Decompression station location (distance below 100 Km)	EA	10	11,318.30	1,13,183.00

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	10	16,034.26	1,60,342.60
10	603793	Charges for shifting of Cascade from existing CNG station/stores to the upcoming Decompression station location (distance above 300 Km)	EA	10	25,466.18	2,54,661.80
11		Supply and Erection of Portable Type Fire Extinguisher as per IS Standards;				
11.1	600735	Portable CO2 Type, ISI Fire Extinguisher, 4.5 Kgs.	EA	360	4,951.76	17,82,633.60
11.2	600736	Portable ABC Type, ISI, Fire Extinguisher, 10 Kgs./9kgs.	EA	480	2,216.50	10,63,920.00
11.3	701886	Portable DCP Type, ISI, Fire Extinguisher, 75 Kgs.	EA	120	20,750.22	24,90,026.40
11.4	603520	Sand Bucket (GI), 20 Gauge, with Stand, Durable with Red Paint.	EA	15	1,945.81	29,187.15
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 GEL Design	EA	10	13,912.08	1,39,120.80
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 GEL Design	EA	80	15,798.46	12,63,876.80
13	102674	1/2" OD x 1/4" NPTM Female Connector	EA	480	464.99	2,23,195.20
14	600714	Pressure Gauge(400 Ba ,2.5"Dia)	EA	120	1,273.31	1,52,797.20

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	20	2,02,314.65	40,46,293.00
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	24000	287.68	69,04,320.00
17	604626	Non return Valve	3/4" OD	SS 316	EA	80	5,182.84	4,14,627.20
18	600745	GI Wire Mesh WT 5mm Gap 16-18WG			EA	5	329.94	1,649.70
19	603796	Display Board which shall include as built drawing of mechanical work layout of CNG station			EA	80	197.96	15,836.80
20	606611	Hydrotesting of tubing with 1.5 Times of Working Pressure			M	250	101.52	25,380.00
21	604705	3/8" ID Thermoplastic Hose with 3/8" NPTM Male end Connections (1 feet).			EA	80	4,761.29	3,80,903.20
22	604706	COUPLING,BREAKAWAY,FILL, 3/8" 3600 psi (248 bar)			EA	80	25,357.67	20,28,613.60
23	604711	CONNECTOR	3/4"OD X 1/4" NPTM	SS 316	EA	320	2,422.27	7,75,126.40
24	604712	CONNECTOR	3/4" NPTM X 1/2" Tube OD	SS 316	EA	320	1,598.94	5,11,660.80
							Total Value	7,53,55,450.35