



HIRING CLUSTER BASED OPERATION SERVICES AND
COMPREHENSIVE ANNUAL MAINTENANCE
CONTRACT (CAMC) SERVICES FOR CNG
COMPRESSORS AT HYDERABAD, VIJAYAWADA AND
KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

Volume II of
II

Bid Document No: BGL/669/2025-26



BHAGYANAGAR GAS LIMITED
(A JOINT VENTURE OF HPCL & GAIL)

TENDER DOCUMENT FOR

**HIRING CLUSTER BASED OPERATION SERVICES AND
COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC)
SERVICES FOR CNG COMPRESSORS AT HYDERABAD,
VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS**

**UNDER OPEN DOMESTIC
COMPETITIVE BIDDING**

e- tender

Bid Document No.: BGL/669/2025-26

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 Bhagyanagar Gas Ltd. Limited	HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS Bid Document No: BGL/669/2025-26	Volume II of II
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SECTION 7: SCOPE OF WORK

1) INFORMATION:

The information given in the Bid Documents and in the plans and drawings forming part thereof is merely intended as a general information without undertaking on the part of the Owner as to its accuracy and without obligation relative thereto upon the Owner. The Vendors are expected to conduct their own surveys and investigations prior to Bidding.

Before bidding, the vendor shall undertake and shall be deemed before bidding to have undertaken a thorough study of the proposed work, the job site(s) involved, the site conditions, the labour, power, water, material and equipment availability, transport and communication facilities and temporary offices and accommodation quarters, and all other factors, constraints and facilities necessary for the formulation of the Bid, supply of materials and the performance of the work.

The vendor shall inspect and examine the site and its surroundings and shall satisfy himself before submitting his tender as to the nature of the ground present, physical conditions and all roads, approaches and lands which may be used temporarily otherwise in connection with the works, means of access to the site accommodation he may require and in general shall himself obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect his tender.

2) SITE VISIT:

The Tenderers are advised to visit the locations and examine its surroundings and obtain all information that may be necessary for preparing their Offer / Bid and entering into the contract. Non-familiarity with site conditions will not be considered a reason either for extra claims or for not carrying out the work conforming to the specifications.

The bidder shall be responsible for providing all required spares, consumables, lubricants, lubricating oil, coolant, sealant, and other materials necessary for the comprehensive maintenance of the complete compressor package throughout the contract period. This includes all activities related to periodic, preventive, and breakdown maintenance to ensure the continuous and uninterrupted operation of the compressor packages.

Additionally, the bidder must maintain a minimum stock of essential spares. In case of any accidental or otherwise bidder-attributable damage to the equipment, the bidder shall repair or replace the damaged equipment at their own expense.

The bidder is required to provide comprehensive maintenance services with 100% availability of genuine spares to carry out Comprehensive maintenance contract of CNG Compressors (GED/ EMD/Variable/ online/ booster) including supply of spares during the entire contract period.

3) The details of compressors in 03 GA's are as follows:

1) KPCL- Kirloskar Pneumatic compressors Ltd, 2)CP- Chicago Pneumatic compressors, 3) Delta- Delta Aspro 4) ICL- Indian compressors Ltd 5) Sopan- Sopan O&M company Pvt Ltd



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Sr. No	GA	Station Name	Location	Type	Compressor Number (1st / 2nd / 3rd)	Make	Model Number	Capacity	Type	Sr.No.
1	Hyderabad	M/s. Bhagyanagar Gas Limited - 1	Shamirpet	Online	1st	KPCL	KPCL	1600 scmh	EMD	PGS-1805
					2nd	KPCL	C-FORCE 32	1900 scmh	EMD	PGS-178
					3rd	CP	NG-1200E	1200 scmh	GED	PNA2024 22
					4th	CP	NG-1200E	1200 scmh	GED	PNB9501 49
2	Hyderabad	M/s. Bhagyanagar Gas Limited - 2 (TSRTC depot)	Medchal-1	Online	1st	CP	NG-1200E	1200 scmh	GED	PNA1020 82
					2nd	CP	NG-600M	600 scmh	EMD	PNB2451 26
3	Hyderabad	M/s. Bhagyanagar Gas Limited - 3 (TSRTC depot)	Hakimpet	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	11130
				DBS	2nd	ICL	B-30-30	250 scmh	Booster - EMD	11131
4	Hyderabad	M/s. Bhagyanagar Gas Limited - 3 (TSRTC depot)	Saroornagar	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	80096
				DBS	2nd	ICL	B-30-30	250 scmh	Booster - EMD	10124
5	Hyderabad	M/s. Lalitha Devi Petrol Pump	R.P Road	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	60056
6	Hyderabad	M/s. Sapthagari Filling Station	Meerpet	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	80100



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7	Hyderabad	M/s. Chakra Filling Station	Nampally	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	60057
8	Hyderabad	M/s. KVS Service Station	Bowenpally	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	10125
9	Hyderabad	M/s. Auto Prime	Chadarghat	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1317
10	Hyderabad	M/s. Sri Radha Raman Service Station	Narayanaguda	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	10126
11	Hyderabad	M/s. Ramesh Fuel Point	Dhoolpet	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	11132
12	Hyderabad	M/s. Habeeb Service Station	Langer House	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1254
13	Hyderabad	M/s. Hytech Fuel Station	Kishanbagh	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1314
14	Hyderabad	M/s. Rajashree Service Station	Bahadurpura	DBS	1st	Delta	IODM 70-3-19 BD	600 scmh	EMD	10471
15	Hyderabad	M/s. Pendhota Brothers Filling Station	Katedan	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1257
16	Hyderabad	M/s. Sri Balaji Kailash Filling station	Hashtinapuram	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1310
17	Hyderabad	M/s. Sri Mallikarjuna Service Station	R.C.Puram - 1	Online	1st	CP	NG-600M	600 scmh	EMD	PNB9502 80
18	Hyderabad	M/s. Sidharth Filling Station	Bahadurpally	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	11129
19	Hyderabad	M/s. Sri Sai Narsimha Fuels	Chandrayana gutta	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1312
20	Hyderabad	M/s. Sri Venkateswara Filling Station	Balanagar	Online	1st	Delta	IODM 70-3-19	600 scmh	EMD	10476



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21	Hyderabad	M/s. GMR Filling Station	Mailardevpally	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1359
22	Hyderabad	M/s. Hi Tech Filling Station	Hafeezpet - 1	Online	1st	Delta	IODM 70-3-19 BD	600 scmh	EMD	10519
23	Hyderabad	M/s. Sri SSV Petroleum Corporation	Peerzadiguda	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1361
24	Hyderabad	M/s. Sainath Service Station	Vanasthalipuram	DBS	1st	Delta	IODM 70-3-19 BD	600 scmh	EMD	10520
25	Hyderabad	M/s. Hayath Filling Station	Hayathnagar	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	40043
26	Hyderabad	M/s. Sai Ram Filling Station	Chintal	Online	1st	Delta	IODM 70-3-19	600 scmh	EMD	10499
27	Hyderabad	M/s. Star Quality fuel Station	Pet-basheerbagh	Online	1st	Delta	IODM 70-3-19	600 scmh	EMD	10505
28	Hyderabad	M/s. Sainath Filling Station	Attapur	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	17217
29	Hyderabad	M/s. Shakti Nagar Filling Station	Shaktinagar	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	17219
30	Hyderabad	M/s. BP Uppal	Uppal	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	17216
31	Hyderabad	M/s. Janatha Service Station	Hassan nagar	DBS	1st	Delta	IODM 70-3-19 BD	600 scmh	EMD	10458
32	Hyderabad	M/s. Bhargavi Filling Station	Nagaram - 1	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	17215
33	Hyderabad	M/s. Nacharam Filling Station	Nacharam	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	18246
34	Hyderabad	M/s. Sai Nikhil Service Station	Champapet - 1	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	18267



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35	Hyderabad	M/s. Ramanthapur Filling Station	Ramanthapur	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	18278
36	Hyderabad	M/s. Highway 9	Chaithanyapuri	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19291
37	Hyderabad	M/s. PBH Petro Hub	Narapally	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20418
38	Hyderabad	M/s. Madannapet Filling Station	Madannapet	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19294
39	Hyderabad	M/s. Ramaram Filling Station	Gajularamaram	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20452
40	Hyderabad	M/s. Rayyan Fuels	Moinbagh	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19370
41	Hyderabad	M/s. JMR Filling Station	Mansoorabad	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20389
42	Hyderabad	M/s. Sri Laxmi Filling Station	Bachupally - 1	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20504
43	Hyderabad	M/s.Srikanth Filling Station	Yapral	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20550
44	Hyderabad	M/s. My Nation Filling Station	Cherlapally	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19353
45	Hyderabad	M/s. MG Service Station	Ghatkesar	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20392
46	Hyderabad	M/s. Sai Priya Filling Station	RTC X Road	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20532
47	Hyderabad	M/s. TS Civil Supplies Corp. Ltd.	Hafeezpet - 2	Online	1st	CP	NG-1200E	1200 scmh	GED	PNB9501 48
48	Hyderabad	M/s. Onus Petro Services	Alwin X Road	Online	1st	CP	NG-1200E	1200 scmh	GED	PNB9501 08



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49	Hyderabad	M/s. Metro Fuel Point	Shaheen Nagar	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20407
50	Hyderabad	M/s. SV Goud Fuel Point	Balapur X Road	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	21712
51	Hyderabad	M/s. Tas Filling Station	Jillelaguda	DBS	1st	Sopan	-	400 scmh	Booster - EMD	-
52	Hyderabad	M/s. Medchal Service Station	Medchal - 2	Online	1st	CP	NG-600M	600 scmh	EMD	PNB9502 82
53	Hyderabad	M/s. Avinash Enterprises	Serilingampalli	DBS	1st	Sopan	SOP.22.DA.45 0	400 scmh	Booster - EMD	24131
54	Hyderabad	M/s. Krishna Filling Station	Thummukunta	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	101128
55	Hyderabad	M/s. Sri Vijaya Service Station	Satamrai	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	21744
56	Hyderabad	M/s. Mahmood Filling Station	Yousufguda	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	21569
57	Hyderabad	M/s. Isnapur Filling Station	Isnapur	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	19355
58	Hyderabad	M/s. Adhoc MSA Auto Services	Nanakramguda	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	21657
59	Hyderabad	M/s. Krishna Service Station	R.C Puram - 2	Online	1st	CP	NG-600E	600 scmh	GED	PNB2451 28
60	Hyderabad	M/s. Malakpet Service Station	Pedda Amberpet	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	9109
61	Hyderabad	M/s. Cyber Filling Station	Madinaguda	Online	1st	CP	NG-1200E	1200 scmh	GED	PNB9501 05
62	Hyderabad	M/s. Aaradya Filling Station	Batasingaram	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19313



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63	Hyderabad	M/s. Gandimaisamma Filling Station	Bahadurpally-2	DBS	1st	Sopan	SOP.22.DA.45 0	400 scmh	Booster - EMD	24129
64	Hyderabad	M/s. BP Rudraram	Rudraram	DBS	1st	Sopan	DDE.13.160.11 0	400 scmh	Booster - EMD	1256
65	Hyderabad	M/s. HP Auto Care Center Osmania	Tarnaka	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	21762
66	Hyderabad	M/s. Vara Siddi Vinayaka Filling Station	Patancheru-2	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20397
67	Hyderabad	M/s. COCO Hitech City IOC Petrol Bunk	Madhapur	DBS	1st	CP	NG-600M	600 scmh	EMD	PNB9502 83
68	Hyderabad	M/s. Thumu Venkat Rao Filling Station	Moosapet	Online	1st	CP	NG-600M	600 scmh	EMD	PNB9502 77
69	Hyderabad	M/s. RK Anuraga Fuel Mart	Karmanghat	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	221281
70	Hyderabad	M/s. Maruthi Fill Well	Uppal-2	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19281
71	Hyderabad	M/s. M A Service Station,	Rail Nilayam,	DBS	1st	Sopan	SOP.22.DA.45 0	400 scmh	Booster - EMD	24128
72	Hyderabad	M/s. Indubaala Fuel Needs	Kompalli	Online	1st	CP	NG-600M	600 scmh	EMD	PNB2451 25
73	Hyderabad	M/s. Bhagyanagar Gas Limited - 6	Hafeezpet-3	Online	1st	CP	NG-1200M	1200 scmh	EMD	PNB2451 24
					2nd	CP	NG-1200M	1200 scmh	EMD	PNB2451 23
					3rd	CP	NG-1200E	1200 scmh	GED	PNB2451 07
74	Hyderabad	M/s. T.S Police Welfare Society - CYB	Gachibowli	Online	1st	CP	NG-600M	600 scmh	EMD	PNB9502 81



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75	Hyderabad	M/s. Krishna Filling Station	Thurkayamjal	DBS	1st	Sopan	SOP.22.DA.45 0	400 scmh	Booster - EMD	24132
76	Hyderabad	M/s. HP Auto Care Center-ASCI	Khairathabad	DBS	1st	Sopan	SOP.22.DA.45 0	400 scmh	Booster - EMD	24130
77	Hyderabad	M/s. Suvrna Srinivas Petroleum	Injapur	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	
78	Hyderabad	M/s. Sri Harihara Fuel Station	Sangareddy	DBS	1st	Sopan	SOP.22.DA.45 0	400 scmh	Booster - EMD	24133
79	Hyderabad	M/s. HS Lathwala	Balanagar-2	Online	1st	CP	NG-650M	600 scmh	EMD	PNB2450 56
80	Hyderabad	M/s. Sai Priya Auto Care	Jeedimetla	Online	1st	CP	NG-650M	600 scmh	EMD	PNB2450 54
81	Hyderabad	M/s. Pavan Petroleum Port	Ibrahimpattanam	DBS	1st	Sopan	SOP.22.DA.45 0	400 scmh	Booster - EMD	25001
82	Vijayawada	M/s. BGL Mother Station-COCO	Vidhyadharapuram	CGS	1st	CP	NG-1200E	1200 scmh	GED	PNA1020 34
					2nd	CP	NG-1200E	1200 scmh	GED	PNA1020 15
					4th	Delta/ Aspro	IODM 70-3-19	600 scmh	EMD	10535
83	Vijayawada	M/s. Ravindra Oil Company	Bhavanipuram	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	60055
84	Vijayawada	M/s. Basaweswara Filling station	Ajit Singh Nagar	Online	1st	Delta/ Aspro	IODM 70-3-19	600 scmh	EMD	10508
85	Vijayawada	M/s. APSRTC Depot, VDPM	Vidhyadharapuram	Online	1st	CP	NG-1200E	1200 scmh	GED	PNA1020 04
					2nd	Delta/ Aspro	IODM 70-3-19 BD	600 scmh	EMD	10483



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86	Vijayawada	M/s. APSRTC Depot, GVPT	Governorpet	Online	1st	CP	NG-1200E	1200 scmh	GED	PNA1020 35
87	Vijayawada	M/s. G.S.R.Vanadurga Filling Station	Gollapudi	Online	1st	Delta/ Aspro	IODM 70-3-19 BD	600 scmh	EMD	10521
88	Vijayawada	M/s. Prakash Fuel Point	Auto Nagar	Online	1st	Delta/ Aspro	IODM 70-3-19 BD	600 scmh	EMD	10538
89	Vijayawada	M/s. Nava Bhargava Filling Station	Ibrahimpattanam	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	018229
90	Vijayawada	M/s. The Andhra Engineering Company (P) Limited	Bhavanipuram	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	40044
91	Vijayawada	M/s. Sai Krishna Fuel Filling Station	Paikapuram	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	18263
92	Vijayawada	M/s. Sri Srinivasa Filling Station	Prasadampadu	Online	1st	Delta/ Aspro	IODM 70-3-19	600 scmh	EMD	10537
93	Vijayawada	M/s. Vijayalakshmi Oil & Co.	Nidamanuru	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19304
94	Vijayawada	M/s. Sri Rajarajeswari Petroleums	Bhvanipuram	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	19319
95	Vijayawada	M/s. Radha Krishna Filling Station ADHOC	Kandirika	DBS	1st	ICL	B-30-30	250 scmh	Booster - EMD	90105
96	Vijayawada	M/s. Jay Ramanjaneya Service Station	Kanuru	Online	1st	Delta/ Aspro	IODM 70-3-19	600 scmh	EMD	10541
97	Vijayawada	M/s. Siri Sri Fuels ADHOC	Ambapuram	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20372
98	Vijayawada	M/s. S V K Fuel & Retail Store	Ambapuram-2	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	20440
99	Vijayawada	M/s. District Jail HPCL RO	Gandhinagar	Online	1st	CP	NG-1200E	1200 scmh	GED	PNB9501 10



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100	Vijayawada	M/s. Ravi Kiran Filling Station	Enikepadu	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	21610
101	Vijayawada	M/s. Ramalingeswara Fuels	Yanamalakudhuru	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	22794
102	Vijayawada	M/s. Philadelphia Filling Station	Kabela	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	10121
103	Vijayawada	M/s. Vani Bhavani Filling Station	Poranki	Online	1st	Delta/ Aspro	IODM 70-3-19 BD	600 scmh	EMD	10472
104	Vijayawada	M/s. Sri Rajarajeswari Srinivasa HP Energy Station	Padamata Auto Nagar	Online	1st	CP	NG-600M	600 scmh	EMD	PNB2352 16
105	Kakinada	M/s. Bhagyanagar Gas Limited, CGS	Vakalapudi	CGS	1st	Delta/ Aspro	IODM 70-3-19	600 scmh	EMD	10500
					2nd	CP	NG-1200E	1200 scmh	GED	PNA1020 07
106	Kakinada	M/s. JP Fuel Station	Cinema Road	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	70067
107	Kakinada	M/s. Vivekananda Agencies	Sarpavaram	Online	1st	KPCL	C-FORCE 32	600 scmh	EMD	PGS 217
108	Kakinada	M/s. Swamy Auto care	Nadakuduru	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	60053
109	Kakinada	M/s. Tirumala Agencies	Peddapuram	DBS	1st	ICL	B-30-30	400 scmh	Booster - EMD	60051
110	Kakinada	M/s. Sri lakshmi ganapathi agencies	Pithapuram	DBS	1st	ICL	B-30-30	400 SCMH	Booster - EMD	0221026

- Above mentioned details are tentative only.

Details of type of compressors:

Row Labels	CGS	DBS	Online	Grand Total
Hyderabad		65	24	89
Booster compressors		61		61
EMD		4	16	20
GED			8	8
Kakinada	2	4	1	7
Booster compressors		4		4
EMD	1		1	2
GED	1			1
Vijayawada	3	12	11	26
Booster compressors		12		12
EMD	1		8	9
GED	2		3	5
Grand Total	5	81	36	122

*Above mentioned numbers are tentative only.

4) The manpower details are as follows for all 03 GAs:

Designated operational services who will be taking care of the operations of the Compressors installed in Clusters/Site for which Qualification required is Mechanical / Instrumentation & Electrical has to be provided by the Vendor after receiving the contract for operations / comprehensive maintenance contract of the Compressors:

- All Operators/Technicians shall possess valid min. ITI qualifications in Mechanical/Electrical/Instrumentation trades and minimum 02 years of relevant experience.
- The Contractor shall arrange initial induction training and periodic refresher training (every 06 months) through OEM or BGL-approved agency.
- Records of training, certification, and skill competency shall be maintained and submitted to BGL Engineer-In-Charge (EIC) on a quarterly basis.

Cluster wise details: bidder has to plan the reliver services accordingly, BGL shall not pay any additional cost in this respect. Clusters mentioned in the table below are tentative but not limited to the following:

The scope also includes the new compressors at other new stations/ upgradation of stations in the respective clusters. Also, the details mentioned are not limited to below:



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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Bid Document No: BGL/669/2025-26

Hyderabad GA:

HYDERABAD-Proposed compressors cluster-based operation and CAMC services											
Sr . No.	Station Name	Location	OM C	Type of RO	Age of the machine (yrs)	Com p. Make	Type	Capaci ty	clust er sr.no .	No of operat ors per Shift	Compres sor Cumulati ve Running hrs as on 30.06.202 5
1	M/s. Bhagyanagar Gas Limited - 1	Shamirpet	CGS	Onli ne	13.79	KPC L	EM D	1900 SCMH	1	2	27068
	-	-	-	-	13.79	CP	GE D	1200 SCMH			80863
	-	-	-	-	3.63	CP	GE D	1200 SCMH			19010
	-	-	-	-	0	KPC L	EM D	1600 SCMH			0
2	M/s. Bhagyanagar Gas Limited - 2	Medchal	Tsrt c Dep ot	Onli ne	13.79	CP	GE D	1200 SCMH	2	1	28348
	-	-	-	-	0.00	CP	EM D	600 SCMH			0
3	M/s. Medchal Service Station	Medchal - 2	HPC L	Onli ne	1.18	CP	EM D	600 SCMH	3	1	2992
4	M/s. Sai Ram Filling Station	Chintal	HPC L	Onli ne	8.00	Delta	EM D	600 SCMH	4	1	19838
5	M/s. Star Quality fuel Station	Pet-basheerbagh	IOC L	Onli ne	7.56	Delta	EM D	600 SCMH			17787
6	M/s. Sri Venkateswara Filling Station	Balanagar	HPC L	Onli ne	8.48	Delta	EM D	600 SCMH			33075

7	M/s. Thumu Venkat Rao Filling Station	Moosapet	BPC L	Online	2.82	CP	EM D	600 SCMH	5	1	19563
8	M/s. Hi Tech Filling Station	Hafeezpet - 1	BPC L	Online	8.42	Delta	EM D	600 SCMH	6	1	28732
9	M/s. Onus Petro Services	Alwin X Road	IOC L	Online	4.44	CP	GE D	1200 SCMH			18098
10	M/s. Cyber Filling Station	Madinaguda	IOC L	Online	3.60	CP	GE D	1200 SCMH	7	1	10297
11	M/s. Sri Mallikarjuna Service Station	R.C.Puram - 1	HPC L	Online	1.66	CP	EM D	600 SCMH	8	1	9612
12	M/s. TS Civil Supplies Corp. Ltd.	Hafeezpet - 2	IOC L	Online	4.44	CP	GE D	1200 SCMH	9	1	24634
13	M/s. COC O Hitech City IOC Petrol Bunk	Madhapur	IOC L	DBS	2.92	CP	EM D	600 SCMH	10	1	8736
14	M/s. Rajashree Service Station	Bahadurpura	HPC L	DBS	12.83	Delta	EM D	600 SCMH	11	1	13866
15	M/s. Janatha Service Station	Hassan nagar	HPC L	DBS	6.98	Delta	EM D	600 SCMH			31033
16	M/s. Sainath Service Station	Vanasthalipuram	IOC L	DBS	8.42	Delta	EM D	600 SCMH			19411

Vijayawada GA:

Station Name	Location	OM C	Type	Age of the machine (yrs)	Compressor Number (1st / 2nd / 3rd)	Make	Capacity	Type	cluster sr. no.	No. services per shift	H M R (hr s)
M/s. Prakash Fuel Point	Auto Nagar	HPC L	Online	8.10	1st	Delta/ Aspro	600 scmh	E M D	1	1	29 14 1
M/s. Jay Ramanjaneya Service Station	Kanuru	BPC L	Online	5.10	1st	Delta/ Aspro	600 scmh	E M D			58 00
M/s. Vani Bhavani Filling Station	Poranki	BPC L	Online	8.67	1st	Delta/ Aspro	600 scmh	E M D			23 52 3
M/s. APSRTC Depot, VDPM	Vidhyadh arapuram	APS RTC	Online	18.1 3	1st	CP	1200 scmh	G E D	2	1	37 56 4
M/s. G.S.R.Vanadurga Filling Station	Gollapudi	BPC L	Online	8.31	1st	Delta/ Aspro	600 scmh	E M D			26 92 2
M/s. Basaweswara Filling station	Ajit Singh Nagar	HPC L	Online	19.3 6	1st	Delta/ Aspro	600 scmh	E M D	3	1	58 09 2
M/s. Adhoc radha krishna service station	Kandrika	HPC L	Online	6.67	1st	Delta/ Aspro	600 scmh	E M D			18 05
M/s. Sri Srinivasa Filling Station	Prasadam padu	HPC L	Online	6.34	1st	Delta/ Aspro	600 scmh	E M D			21 22 2
M/s Bharati raghava fuels	Ambapura m	IOC L	proposed online	13.1 7	1st	Delta/ Aspro	600 scmh	E M D			12 15 6
M/s. APSRTC Depot, GVPT	Governor pet	APS RTC	Online	15.2 8	1st	CP	1200 scmh	G E D	4	1	22 21 5
M/s. District Jail HPCL RO	Gandhina gar	HPC L	Online	4.69	1st	CP	1200 scmh	G E D	5	1	12 14 4
M/s. BGL Mother Station-COCO	Vidhyadh arapuram	COC O	CGS cum MS	20.0 4	1st	CP	1200 scmh	G E D	6	2	89 88 6
-	-	-	CGS cum MS	14.1 8	2nd	CP	1200 scmh	G E D			85 47 1
-	-	-	CGS cum MS	7.92	3rd	Delta/ Aspro	600 scmh	E M D			72 79

 Bhagyanagar Gas Limited	HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS Bid Document No: BGL/669/2025-26	Volume II of II
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Kakinada GA:

Sr. No.	Station Name	Location	Owner	Type	Age of the machine (yrs)	Comp. Make	Type	cluster sr.no.	No of operators per shift	Compressor Cumulative Running hrs as on 30.06.2025
1	Bhagyanagar Gas Limited, CGS	Vakalapudi	BGL	CGS	13.37	Delta/Aspro	EMD	1	1	1007
	-	-	-	-	13.37	CP	GED			23337
2	Vivekananda Agencies	Sarpavaram	IOCL	Online	10.89	Kirloskar	GED	2	1	11662

EMD: Electric Motor driven CNG compressor package

GED: Gas engine driven CNG compressor Package

Note : No. of stations in the cluster is tentative only, client may add maximum 01 to 02 stations per cluster. Bidder to submit the quote accordingly and BGL shall not pay any additional cost in this respect. Bidder shall have to provide the services on 365 days or complete year. Accordingly, Bidder shall have to consider all in his scope and submit the quote to provide the requisite services.

5) Scope of cluster-based operations:

The scope/specification covers the minimum specified requirement for various activities to be carried out by the service provider towards Operational Services of various CNG Compressor packages installed at various CNG stations as per the location's list provided in the tender document.

The cluster based Operational Services scope includes but not limited to:

- 5.1. All CNG Online/ Mother Stations/ satellite mother stations/ daughter booster stations except those installed with Gas Engine Driven Compressors will not require dedicated operators for manning the CNG stations. However, the Contractor shall deploy competent Operator to visit all CNG stations on daily basis to carry out routine checks including top up of Oil, coolant, checking compressor process and performance parameters etc. The services are required on 365 days including Sundays and all holidays on round the clock basis as directed by BGL Engineer-In-Charge (EIC), for which the Contractor will deploy One Operator (minimum of ITI Technician level) in each shift to monitor a cluster of 2 to 5 CNG Stations. The list of stations covered under the cluster is given in this document. In addition to Operations, the Operator shall carry out daily inspection/checks as per the Inspection Check List recommended by the Compressor OEM and as approved by BGL.
- 5.2. The dedicated operators shall be considered at MS & Satellite MS for carrying out both operations of compressor & LCV Loading operations as per BGL standard operating procedures. There shall be one operator in each shift in each cluster of CNG Stations. Operator shall visit each CNG Station once in every day. In case of cluster of CNG Stations are not

operated in night hours, then Operator is not required during night shift/ hours. However, it is the responsibility of bidder to ensure the starting of the machine at any time.

5.3. It is the responsibility of the bidder to carry out both operations of compressor & LCV unloading operations at DBS stations including opening and closing of cylinder valves and unloading of LCV as per the BGL standard operating procedures.

5.4. **For Gas Engine Driven compressors/ satellite mother stations only:** Operation of CNG compressors 365 days including Sundays and all holidays on round the clock basis in 3 shifts (or in 2 shifts at stations with less CNG daily sales) as directed by BGL Engineer-In-Charge (EIC), for which the Contractor will deploy One Operator (minimum of ITI Technician level) in each shift. In addition to daily Operations, the Operator shall carry out daily inspection/checks before starting the compressor as per the Inspection Check List recommended by the Compressor OEM and as approved by BGL and also loading of mobile cascades including closing of cylinder valves and issue of excise gate pass (if applicable as per BGL's to LCV/MCV/HCV's.

OPERATIONS & DAILY ROUTINE CHECKS:

- 5.4.1 All the jobs mentioned under scope of services shall be carried out as per sound engineering practices, work procedures, documentation & recommendation of the Original Equipment Manufacturer (OEM) and as per the guidelines/direction of BGL EIC.
- 5.4.2 All CNG Online & Mother Stations installed with Gas Engine Driven Compressors requires dedicated operators for manning the CNG stations with few exceptions referred to cluster sheet.
- 5.4.3 Technicians/Operators provided shall have minimum qualification of ITI in Mechanical/Fitter/Instrumentation/Electrician trade and shall be experienced in handling & servicing of oil & gas equipment, preferably CNG compressors & Gas engines, Electrical motor driven compressor packages, booster compressor packages, well trained & certified by Compressor/Engine OEM before they are inducted.
- 5.4.4 The services are required 365 days including Sundays and all holidays on round the clock basis as directed by BGL Engineer-In-Charge (EIC), for which the Contractor will deploy One Operator (minimum of ITI Technician level) in each shift to monitor a cluster of 2 to 5 CNG Stations. The Operator shall carry out daily inspection/checks and as per the Inspection Check List recommended by the Compressor OEM and as directed by BGL EIC.
- 5.4.5 Lube oil of various grades will be stored at the contractor's store, and it will be responsibility of Contractor to collect, transport and account for oil as per requirement at various maintenance locations/stations. Transportation and other charges shall be borne by the contractor. The Contractor shall ensure proper documentation (e.g. Outward gate pass) for transportation of oil from one station to another.
- 5.4.6 The Contractor shall be responsible for security & storage of all materials maintaining at his store/ BGL premises on urgency basis or at site. Oil storage shall be such that it is not contaminated or mixed with water/other substances/used oil.
- 5.4.7 Closing of Cylinder valves and the cleaning of Radiator shall be carried out as per OEM recommendation & as and when deemed necessary.
- 5.4.8 In addition, operator shall submit the report on quarterly basis or as per decided

frequency in a format decided by BGL EIC, which shall include the mentioned parameters in below clause. Contractor shall submit Daily Progress Report, Compressor performance and process parameters on daily basis as per BGL format.

5.4.9 The Operator will perform the following activities during his visit to the Station:

- Check compressor & engine parameters and note down the same in prescribed format of BGL.
- Check oil level of lubrication tank & crank case.
- Drain oil from blowdown vessels, volume bottles etc. as per routine practice. Keep drain oil at designated place.
- Check stock of lubricant oil/DM water/Nalcool/Nalprep etc. as well as make entry against consumption. Contractor shall send stock position to BGL EIC on fortnightly basis. But, service provider/ contractor has to monitor the stock position on daily basis.
- Upkeep of the compressor package.
- Ensure that no unwanted material is kept inside or around the compressor package. The Operator shall inform its Maintenance team to submit material to BGL CNG Store if found available at site.
- Cleaning of compressor package.
- Checking of oil drops of lubricator to ensure its working.
- Record keeping of fresh oil and used oil at CNG Station.
- Record keeping of Receipt and dispatch of fresh oil/used oil/DM Water.
- Checking of CO2 Flooding system condition
- Loading of CNG mobile cascades upto the specified pressure as per BGL instructions
- Closing of CNG cylinder valves of mobile cascades before dispatch of LCV/MCV/HCV.
- Issue of Excise gate pass to LCV/ MCV/HCV.
- Any abnormality seen during the daily inspection shall be reported immediately to BGL EIC /BGL control room and immediate action shall be taken in consultation of BGL EIC.
- Any leakages observed in gas, oil & water circuits shall be immediately attended before starting the compressor. If it is a major complaint, then immediately it should be reported to BGL EIC/ BGL control room.
- The Operator deployed by the Contractor at CNG Stations installed with Gas Engine driven Compressor packages/ satellite mother station will have to record the Compressor & Engine Parameters on hourly basis in the logbook & the application suggested/provided as per BGL.
- In case of CNG stations operated on cluster basis Operator shall record compressor parameters during his visit to the station on hourly basis till the time he leaves the station. The Logbooks shall be in the scope of the Contractor. Any abnormal values or deviation from standard specified values in the parameter readings shall be reported to BGL EIC immediately and the same shall be addressed on priority in consultation of BGL EIC.

- The Operator shall carry out topping-up of oil, coolant/water as and when required. Also, the Operator shall carryout draining of oil at regular intervals as per OEM guidelines and as directed by BGL EIC.
- The Operator shall be vigilant and report for any abnormal/unusual sounds coming from the compressor & its engine.
- Regular cleaning of the compressor package to ensure highest upkeep of the machine and its accessories including cascades and tubing installation.
- The Operator shall keep the compressor and its accessories clean and tidy at all times. Any kind of oil/water/coolant spillage inside and outside the compressor enclosure shall be immediately removed and cleaned.
- All consumables required for day-to-day operations is in the scope of bidder only. Based on the make/ type/ model service provider has to obtain lubricants with respective compressor OEM's.
- The contractor shall carry out daily operation activities round the clock on shift basis of CNG Compressor, Air compressor and other associated equipment as per OEM recommendations in order to ensure smooth operations and minimize downtime of the Compressor packages.
- The contract will deploy adequately trained personnel for carrying out Operations Activities.
- All the vital parameters of the CNG Compressor such as Oil Level, Air, Coolant level etc. are to be noted in daily log book at respective stations as per SO/ tender document.
- Bidder shall be responsible for procuring OEM-recommended lubricants for daily top-up of the compressor packages at various locations.
- For all MS/Satellite MS, Opening and Closing readings of all the Mass Flow Meters in the CNG Compressor packages are to be recorded at 06:00 AM or as advised by EIC and the meter reading records are to be provided to EIC/BGL's representative on daily basis. For remaining clusters as decided by EIC.
- The opening and closing pressure reading of all CNG cascades in the CNG Station will be recorded by operator and will submit to BGL.
- In Hyderabad, at least two dedicated Engineers per shift to be provided & shall be responsible for supervision and smooth operations of compressors at CNG Stations.
- Similarly, one Engineer stationed at Vijayawada shall supervise for both Vijayawada & Kakinada & once in 15 days the supervising engineer shall visit Kakinada.
- The supervising engineer shall monitor & ensure the operators schedule, availability & check the performance of operators, assist in troubleshooting of compressors, ensure preventive maintenance is carried out as per schedule, submission of reports, Report breakdown of equipment within 10 minutes, maintain consumables and spare

parts. The supervisor shall also impart training as per SOP to the operators before inducting into regular operations.

- Bidder to provide the daily DPR of Hyderabad GA, Vijayawada GA and Kakinada GA or respective stations; under the scope of bidder for daily monitoring the compressors & engine parameter like gas loss, pressure, temperature, fuel consumption, oil level, oil top up & oil drain etc.
- Bidder shall ensure daily monitoring of DPR to be submitted to BGL for respective stations for health check-up of machine & also ensure visit of maintenance team for any abnormalities & oil top up.
- In addition to the Compressor operations, Compressor Operator should assist LCV filling activity at Mother stations/ satellite mother stations.
- The scope of Compressor operator for also includes LCV filling activities as follows at respective MS/Satellite Mother station where manpower is in the scope of bidder.
 - (a) Daily check-up of all Cascades and piping / tubing's of LCV stand etc.
 - (b) To fill CNG into mobile cascades as per the standard procedure.
 - (c) Noting the initial and final pressure of each mobile cascade and reporting the same to the Shift In-Charge.
 - (d) Compressor operator has to verify CNG cylinders testing validity prior to CNG filling in Natural Gas Vehicles (LCV/MCV/HCV).
 - (e) Operators should coordinate with control room / shift incharge and LCV driver for safe filling of CNG to LCV from Mother Station / satellite mother stations.
 - (f) Any other activity as directed by BGL nodal point of contact from time to time.
 - (g) Safety alarms, Critical Operations notifications shall not be bypassed & shall be reported to BGL EIC.

5.4.10 Contractor shall maintain compressor operational data using mobiles in google forms/ excel or etc logbooks in addition to physical registers.

6) Scope of comprehensive maintenance of CNG compressor packages:

The scope/specification covers the minimum specified requirement for various activities to be carried out by the service provider towards comprehensive maintenance Services of various CNG Compressor packages installed at various CNG stations as per the location's list provided in the tender document.

The comprehensive maintenance Services scope includes but not limited to the following:

- 6.1 Any spare parts required during the contract period shall be supplied by contractor free of cost. Further, all the consumables, Lubricating oil, coolant, sealant, man power, DM water, housekeeping etc. required for carrying out the comprehensive Maintenance of the complete compressor package during the contract period, including periodic, breakdown maintenance for continuous and uninterrupted operation of the compressor packages shall be in scope of the contractor and shall be kept in stock. Electricity shall be supplied free of cost to the contractor.

- 6.2 The contractor shall be keeping a minimum specified spares of specified quantity (as per Annexure – I attached) at all the GA sites or nearby locations.
- 6.3 **Equipment under CAMC is as below:** CAMC will be not limited to the equipment's listed below: list of compressors to be added
- 6.4 Including other accessories like Air compressor, Fire & Smoke detector, water motor pumps/ radiators/ Heat/Air exchanger, CO2 flooding system and Instrumentation & control panel, mass flow meters, PLC etc., related to the above CNG Compressor packages.
- 6.5 The contractor shall have to keep all the spares, consumables, lubricants, coolant etc. required for carrying out periodic, breakdown, emergency maintenance etc. of the CNG compressor package including the priority panels, electrical panels, air compressors, leak detection system, CO2 flooding system, CNG compressor, heat exchanger, PLC of compressor package, CNG piping around the compressor area and other auxiliaries with the CNG compressor package, air compressor etc., which were supplied by compressors package supplier, so as to minimize the down time of the equipment.
- 6.6 The old/ damaged parts which are replaced by the contractor along with the used oil are to be taken by the contractor after replacement, on obtaining valid gate pass from BGL authorities.
- 6.7 The contractor has to follow the Hazardous Waste Management Rules 2016 issued by MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE vide Notification dated 04.04.2016 for handling and transport of Used Oil from BGL locations.
- 6.8 Non-availability of compressor package for non- availability of spares shall be liable for penalty as per clause no 14 of SCC.
- 6.9 All tools, tackles and fixtures required for carrying out the above maintenance of the compressor packages shall be in scope of the contractor. Contractor shall maintain exclusive toolboxes for each location. The scope will also include handling equipment like crane. Forklift chain pulley block, etc required during any maintenance activity.
- 6.10 Any expert services required from principal company or OEM (of any equipment in the package) shall be arranged by the contractor or his agent at his own cost. All arrangements like phone, fax, computer, internet etc required for correspondence with above personnel shall be arranged by the contractor.
- 6.11 Submission of monthly PREVENTIVE, SCHEDULED and BREAKDOWN maintenance reports to EIC of respective location along with supported documents.
- 6.12 Ensure 97% availability of each package on monthly basis.
- 6.13 The maintenance team shall repair any unplanned/emergency maintenance of equipment installed at CNG Station.
- 6.14 The contractor shall use only 100% genuine OEM's certified spares during maintenance. In case, the schedule maintenance of the OEM manual recommends checking and replacing parts like valve springs, valve plates, piston rings etc. after certain time interval, same shall be replaced or used. Any untoward consequences due to non-replacement of such parts shall be the responsibility of the contractor.
- 6.15 During preventive maintenance/ handing over of machine, any wear limits of all components of compressor package will be determined/ analyzed on pro rata basis

from the last date of spare replacement and considering total running hours of machine. Joint decision for replacement of parts will be taken with due consideration to total running hours of package.

- 6.16 A detailed report of all spares & consumables used have to be maintained by the contractor, having details of part no, quantity used, date, expected running hours before replacement, etc. The same has to be submitted monthly to BGL.
- 6.17 All routine and periodic checks/ inspections required to be done as per OEM recommendation shall be done by the contractor. Instruments required for above inspection like vernier caliper, micrometer screw gauge, fill gauges, bore gauge, vibration meter etc. shall be in scope of the contractor and these instruments shall be calibrated every year.
- 6.18 All spare parts to be replaced in the compressor package should be brand new and unused. However, repair of valves and packing assembly shall be permitted. Random Inspection of spare part to be utilized in the CNG Compressor may be carried out by BGL'S representative.
- 6.19 All routine leak checks/inspections of the associated SS tubing, fittings valves and hoses outside the compressor package (i.e. inlet & outlet of compressor), which are part of Chicago pneumatic compressors supplied packages, shall be done by contractor.
- 6.20 The contractor shall ensure that compressor running parameters are recorded in daily log book including all vital parameters and Maintenance records of preventive and scheduled maintenance and spare used. The format of log book to be finalized in consultation with EIC in line with OEM specification/recommendations. All stationery including the printed material shall be in scope of the contractor.
- 6.21 The contractor shall submit a copy of the monthly /quarterly and yearly maintenance reports to the EIC in both soft and hard form including safety interlock checks. All stationary including the printed material shall be in the scope of the contractor. None of the interlocks should be bypassed for normal CNG operations. Prior approval of EIC (EIC has to follow BGL maintenance policy for the same), has to be obtained, in case the same is unavoidable. The same should be rectified by contractor, within a weeks' time. A separate register is to be maintained for recording the time of occurrence and time of rectification and the same should be signed by the EIC for each such event.
- 6.22 The entire maintenance / inspection job carried out by the contractor shall be recorded and the report of the same shall be jointly signed by owner representative.
- 6.23 If availability of 97% in a month is not achieved and/or the engine fuel consumption or compressor losses are exceeding the values in the curves plotted against time, with commissioning date as origin, then the mutually agreed corrective actions have to be taken to ensure availability and healthiness of equipment.
- 6.24 The contractor shall carry out yearly calibration of safety relief valves, , pressure gauges, transmitters and switches etc, and gas detectors & flame detectors (once in 06 months).
- 6.25 Calibration shall be done from government approved laboratories and shall be carried out at least 15 days prior to the calibration due date. In case of POP-UP of any valve, the same has to be calibrated immediately.
- 6.26 The contractor shall carry out retesting of pressure vessels periodically as per gas

cylinder rules 1981 or static & mobile pressure vessels rules for the vessels supplied by Chicago pneumatic compressors in the CNG Compressor packages.

- 6.27 The periodic maintenance required to be done as per OEM recommendation shall be taken up promptly. The contractor shall plan such maintenance during non-peak hours and in consultation with the engineer-in – charge of owner. Any maintenance that needs to be taken up shall be well planned in advance with due approval of the EIC. The scope shall include preparation of maintenance schedule for carrying out the maintenance during the contract period.
- 6.28 In case, the schedule maintenance of the OEM manual recommends checking and replacing parts like valve springs, valve plates, piston rings etc. after certain time interval, same shall replacement in the presence of OWNER representative.
- 6.29 In general, the contractor has to carry out full Comprehensive Maintenance of the compressors make CNG packages at the CNG stations, thereby making available the equipment's in running conditions at all times, through supply of adequate experienced technicians, OEM spares, OEM recommended consumables and any other specialized service.
- 6.30 Hydrotest, as per statutory requirements if applicable (once in three years) , of pressure vessels as per applicable codes (ASME Section VIII) installed in Compressor packages shall be in the scope of this contract.
- 6.31 Zero calibration of mass flow meters shall be carried out on a half-yearly basis. BGL will provide an FCRI-calibrated master prover for the verification of the mass flow meters. It shall be the sole responsibility of the contractor to make all necessary arrangements for checking the meters installed in the compressor packages. Any repair, rectification, or adjustment required to ensure the proper functioning and accuracy of the mass flow meters shall be entirely within the scope of the bidder
- 6.32 Any PLC part, electrical part failed due to abnormal voltage fluctuation in main incoming power to PLC system.
- 6.33 Contractor shall have to arrange the hydro testing of the Co2 Cylinders of flooding system as per NFPA/ OISD standards.
- 6.34 The service provider shall conduct periodic internal and external cleaning of radiators. Any required services, such as welding/brazing, drilling, cutting, plugging, tube cleaning, or chemical cleaning, shall also fall under the service provider's scope. All hot work, including welding, cutting, or drilling, is the responsibility of the service provider.
- 6.35 The service provider must ensure that all necessary spares, consumables (e.g., cotton waste, cleaning solvents, insulation tape, thinner, soap solution, grease, Teflon tape), and tools (e.g., multimeter, soldering gun, torque wrench, power extension board) are available on-site. Non-sparking tools and flameproof equipment must be used for maintenance in hazardous areas.
- 6.36 All software related works, installation/removal/reinstallation of original program and arrangement of original program wherever required etc.
- 6.37 Contractor shall confirm to BGL about their availability to carry out Preventive Maintenance as per the schedule finalized along with BGL EIC. BGL will depute its person in case they wish to witness the work.
- 6.38 Contractor's personnel shall inform the exact time duration needed for carrying out the maintenance to BGL EIC. The Contractor shall get familiarized of the work to be

executed and obtain all necessary permit/approval/clearance/authorization to carry out the work from BGL EIC before starting work at the CNG Station.

- 6.39 Contractor shall obtain/collect all necessary permits from BGL EIC for the work to be performed. Contractor will understand and seek explanation if not understood properly about safety requirements and provisions of work permit/license to work. After completion of work, the work permit needs to be closed by the Contractor to CNG Control Centre/Master Control Room. Contractor will seek extension of work permit or apply for fresh work permit as applicable from BGL EIC as and when required.
- 6.40 The Contractor shall ensure availability of Multimeter, soldering gun, torque wrench, power extension board, Special Tools and Tackles for opening of valves/piston/piston rods etc. at site before commencing maintenance work. Special tools shall be arranged by the Contractor.
- 6.41 The Compressor Operator/Maintenance team shall record the Compressor performance parameters before and after carrying out the maintenance in the service report. Any deterioration in the performance parameters observed after carrying out the Maintenance, will attract penalty as defined in this document. After completion of work, the Contractor shall produce the compliance report to BGL within 24 Hrs. duly signed by BGL EIC. The downtime agreed for each type of Preventive Maintenance shall be adhered to.
- 6.42 On receiving information from the Compressor Operator or BGL Control Room, Contractor shall dispatch its centralized Maintenance team to attend and rectify/repair the Compressor. Such services shall be provided on 24 x 7 basis. The breakdown response time of each complaint shall be maximum 45 mins for stations within city and 90 minutes for the stations located in outskirts of city. Non-compliance of this SLA will attract penalty as defined in this document. Accordingly, the maintenance teams shall be strategically located. For Hyderabad GA the response time is to be read as 60mins. Failing which a penalty of Rs.500/- per instance shall be deducted from the RA bills.
- 6.43 Upon reaching the CNG station, the Contractor personnel shall contact BGL CNG control room to report his attendance on site and confirm the breakdown
- 6.44 After attending & solving the complaint, the Contractor shall inform to BGL Control room and BGL EIC will sign the service report after the complaint is fully attended.
- 6.45 Machine Canopy Repairing and painting. Painting of canopy once in contract period or 03 years to be done is in Bidder Scope.
- 6.46 Principal parts of packages like crankcase, distance pieces, compressor cylinders, pressure vessels, mass flow meters, electric motor, Heat exchangers, etc., replacement during breakdown and preventive maintenance including top and major overhauling is in Bidder Scope.
- 6.47 The bidder shall take into account into top overhauling or major overhauling of the compressors that are due for immediate maintenance also in his scope. All costs associated with such overhauling shall be deemed to be included in the quoted rates and no additional claims shall be entertained.
- 6.48 If there is any breakdown/malfunction in PLC and a new software/ software license renewal is required to restore the PLC working, the same shall be in Bidder scope. Also, all PLC software updating including (renewal/alterations/modification) is in

Bidder Scope.

- 6.49 All parts replaced by the Contractor during the above contract period shall be properly packed and to be returned to BGL.
- 6.50 The Contractor shall submit a copy of the daily / weekly / fortnightly / monthly / bio-monthly / quarterly and yearly performance report to the EIC in both soft and hard form. All stationery including the printed material shall be in scope of the Contractor.
- 6.51 Package loss should not be more than 0.5% .
- 6.52 Contractor shall provide First Aid box at site. If the bidder fails to arrange the same, then a penalty of Rs.500/- per compressor per month and same will be levied from his RA Bills.
- 6.53 The incomer cables from BGL electrical room to Compressor and the UPS is in the scope of bidder.
- 6.54 For efficient monitoring of services, contractor shall provide GPS Tracking devices to the maintenance technicians & vehicles to give access of application to the supervising engineer & BGL representatives.
- 6.55 Comprehensive maintenance contractor shall report to BGL within 2 days of receipt of spare parts & BGL may carry out inspections & verify the genuineness of the parts.
- 6.56 Ensuring the Genuine OEM Parts & consumables shall be the sole responsibility of the contractor & although BGL/it's representative at it's discretion inspect on random basis. BGL reserves the right to inspect 100% of parts/consumables supplied/procured by the contractor.
- 6.57 However this does not absolve responsibility of the contractor to ensure genuineness of spare parts/consumables.
- 6.58 Electrical parts/components shall be procured from reputed makes like Schneider, ABB and L&T.
- 6.59 Bidder shall procure the spares from OEM of respective compressor package manufacturers or arrange 100% genuine parts for carrying out the maintenance of the compressor packages.
- 6.60 Wherever feasible, integration with BGL's SCADA/monitoring systems shall be ensured.
- 6.61 Oil/lubricant condition analysis. Reports of the above condition monitoring activities shall be submitted to BGL EIC along with preventive maintenance reports.
- 6.62 Contractor shall strictly adhere to response times as defined in the Scope of Work.
- 6.63 An escalation matrix (Operator → Supervisor → Area In-Charge → Head of Operations) shall be shared with BGL within 07 days of LOA.
- 6.64 Delay in reporting or attending complaints beyond the defined SLA shall attract penalties as per SCC.

7) SCHEDULED MAINTENANCE:

- 1). All activities required to be carried out as per instruction of EIC.
- 2). All kind of machinery, tools, special tools, tackles and consumable items required to complete the above job are in the scope of the contractor.
- 3). De-coupling of starter motor/ electrical lockout of starter motor to be done before proceeding.

- 4). Complete depressurizing of the equipment along with pipe fittings before proceeding with maintenance.
- 5). Contractor shall carry out the scheduled maintenance as per O&M Manuals
- 6). Vibration condition Monitoring will be carried out once in a year.
- 7). The periodic maintenance required to be done as per OEM recommendation shall be taken up promptly. The Contractor shall provide the detailed preventive maintenance & break down repair schedule along with
 - a) Estimated down time required for each type of maintenance schedule.
 - b) List of spares and their quantities required for each type of maintenance schedule per compressor.
 - c) Type and number of man days required for each type of maintenance schedule per compressor.

8) Overhauling of the package:

- 1.0 Top and Major over hauling of engine (as per engine manufacturer's O&M manual/ any approved control document/ policy document or as per recommendations of the Engine Manufacturer) which includes spare as well as manpower deployment for the job as given below:
 - 1.1 Cummins Engine: Top Overhaul to be done at 12000 running hrs and Major Overhaul to be done at 24,000 running hrs or as per the OEM recommendations if any updated intervals
 - 1.2 Caterpillar Engine: Top overhaul to be done after 12000 running hrs and Major overhauling to be done after 24000 running hrs as per OEM manual. or as per the OEM recommendations if any updated intervals
 - 1.3 Top and major overhauling of compressor package is in the scope of bidder only.

9) General: contractors' responsibilities:

The operation & maintenance services shall be provided in terms of shift pattern on round the clock basis.

- a. The Contractor shall deploy adequate number of technicians/ operators/ engineers as well as tools & tackles for smooth and proper operation & maintenance of the compressors provided in terms of the contract. In case required to meet operational requirements, the Contractor shall augment the same as per direction of Engineer-in-Charge.
- b. The Contractor is required to carry out all services as mentioned in the Scope of Services and Schedule of Rates on all the 365 days including Sunday and all holiday and around the clock

- c. The Contractor shall allow weekly rest and daily working hours to his workmen as per the relevant Act / Law / and Rule made there under. However, no work shall be left incomplete / unattended on any holiday / weekly rest. Technician / operator provided shall have minimum qualification of ITI & requisite experience. Contract in person or his authorized representative shall provide the services on daily basis to interact with Engineer-in-Charge and deployed workmen.
- d. The workforce deployed by the Contractor for O&M services at CNG installation shall be of sound relevant technical professional expertise which is otherwise also essential from the safety point of view of the personnel of the Contractor as well as for the installation.
- e. Contractor has to ensure the safety of man and machine all the times. Damages of equipment due to negligence will be recovered as per the decision of Engineer-in-Charge, which will be final.
- f. Regarding work completion, the decision of the Engineer-in-Charge will be final and binding.
- g. The Contractor shall make his own arrangements to provide all facilities like boarding and transport etc. to his workmen.
- h. All personnel of the Contractor entering on work premises shall be properly and neatly dressed and shall wear uniform, badges while working on premises of the company including work sites.
- i. Contractor shall maintain proper record of his working employee's attendance and payment made to them.
- j. The Contractor's representative/ Supervisor shall report daily to the EIC for day to day working.
- k. All the safety rules and regulations prevailing and applicable from time to time at the installations as directed by BGL will be strictly adhered to by the contractor. Failure to follow the SOP's, safety or other HSE compliance shall attract penalty of Rs.5000/- per instance.
- l. The rates quoted by the Contractor must be inclusive of all taxes & duties except GST. GST to be quoted separately as specified in the SOR.
- m. It will be the responsibility of the Contractor to pay as per the minimum wages of the appropriate government applicable under the Minimum Wage Act 1948 from time to time.

- n. The maintenance services shall be provided in terms of shift pattern on the round the clock basis. The Contractor is responsible to provide effective and efficient services round the clock and assure that there is no disruption in the services for want of any resources.
- o. The Contractor shall deploy adequate number of technicians at various site offices in consultation with Engineer-In-Charge to provide trouble free operation & maintenance of the compressor packages. Site in charge shall always be available 24 hours on Mobile Phone. Supervisor have to obtain necessary permissions from BGL for outstation journey.
- p. All arrangements for communication from control room to the contract person working on job under the services shall be the responsibility of the contractor, viz mobile.
- q. All the jobs mentioned under scope of services shall be carried out as per sound engineering practices, work procedure documentation, recommendation of the manufacturer and as per the guidelines / direction of engineer-in-charge of authorized representative.
- r. The Contractor shall ensure and will be solely responsible for payment of wages and other dues latest by 7th of the following month to the personnel deployed by him in the presence of the Company's representative and the wages should be distributed through bank and the statement of the wages should submitted along with monthly bills duly certified by Bank.
- s. The Contractor shall be directly responsible and indemnify the company against all charges, claims, dues etc. arising out of disputes relating to the dues and employment of personnel deployed by him.
- t. The Contractor shall indemnify the company against all losses or damages caused to it on account of acts of the personnel deployed by the contractor. The Contractor shall ensure regular and effective supervision of the personnel deployed by him.
- u. The Contractor shall be liable for making good all damages / losses arising out of loss or theft of each handled, leakage, pilferage of any office, furniture equipment fitting and fixtures what-so-ever as may be caused directly or indirectly by the engaged persons through him / work carried out by them.
- v. It is agreed between the parties that if the quality of jobs carried out by the BIDDER are not of standard as required by Company and breach of any of the terms and conditions herein mentioned, the Company is at liberty to terminate this Agreement at the option of the Company by giving one months' notice in the writing to the BIDDER without assigning any reasons thereof.

- w. On the termination of this Agreement, the BIDDER will immediately remove himself and his directly or indirectly employed or deployed manpower from the said premises with all the goods, if any, property and effects belonging to him. The BIDDER shall not cause any hindrance or objection in such circumstances.
- x. BIDDER should submit the trouble shooting & root cause analysis report to BGL, within 4-5 working days from the date of compressor Breakdown, failing to which RA bill will not be processed for the said LOA till the satisfactory report will not receive from bidder.
- y. The bidder shall submit a comprehensive list of spares required for carrying out the CAMC of the compressors, to be maintained at each location (Hyderabad, Vijayawada, and Kakinada) for the entire duration of the contract period.
- z. In addition to the above, contractor must assess the spares (mechanical, electrical, instrumentation) to run the machinery to minimise the breakdown time.
- aa. The bidder shall mandatorily submit the inspection and consumption report along with the monthly invoice. The bidder shall also ensure immediate replenishment of the required material upon consumption.

10) Compliance of Laws

The Contractor deploying 20 (twenty) or more workmen as contract labour shall have to obtain licence from appropriate licensing authority, if required. The Contractor (which shall include the contracting firm / company) shall be solely liable to obtain and to abide by all necessary licenses from the concerned authorities as provided under the various labour laws legislation's including labour license from the competent authority under the Contract Labour ("Regulation & Abolition") Act 1970 and Acts made thereafter.

- 11) Format To be submitted by Contractor every month to BGL EIC in both soft & hard copy:

A. Compressor Performance Summary (Per GA / Cluster / Station)										
Sr No.	GA	Station Name	Compressor Make/Model	Availability (%)	Target Availability (97%)	Running Hours	Breakdowns (Nos.)	MTTR (Hrs)	Gas Loss (%)	Remarks / RCA reference

B. Preventive & Breakdown Maintenance Status										
Sr No.	GA	Station Name	Preventive Maintenance Due (Y/N)	Preventive Maintenance Done (Date)	Breakdown Cases Reported (Nos.)	RCA Submitted (Y/N & Date)	Pending Actions	Remarks		



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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C. Consumables & Spares Utilization

Sr. No.	GA	Station Name	Lubricant Consumption (Ltrs)	Coolant Consumption (Ltrs)	Spare Parts Replaced (List with Part No. & Qty)	Balance Stock (Critical Spares)	Remarks			
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D. Manpower Deployment & Training

GA	Cluster	Operators Deployed (Nos.)	Absenteeism (Man-days)	Relievers Deployed (Nos.)	Training Conducted (Y/N)	Last Training Date	Remarks			
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E. Safety & Compliance Monitoring

Sr. No.	GA	Station Name	Safety Incidents (Nos.)	Mock Drills Conducted (Date)	PPE Compliance (Y/N)	Firefighting /First Aid Training Status	Waste Disposal Compliance (Y/N)	Remarks		
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F. Supervisor / Engineer Report Summary

Highlights of major issues during the month:

Corrective & Preventive Actions planned for next month:

Observations on operator performance, training needs, and spares sufficiency:

 Bhagyanagar Gas Ltd. Limited	HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS Bid Document No: BGL/669/2025-26	Volume II of II
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SECTION 8: SPECIAL CONDITIONS OF CONTRACT

1.0 GENERAL

- 1.1 SCC shall be read in conjunction with the General Conditions of Contract (GCC), specifications of work, drawings and any other document forming part of this contract the context so requires.
- 1.2 Notwithstanding the subdivision of the document into these separate sections and volumes, every part of each shall be deemed to be supplementary of every other part and shall be read with and into the contract so far as it may be practicable to do so.
- 1.3 Where any portion of the GCC is repugnant to or at variance with any provisions of the SCC, then unless a different intention appears, the provision(s) of the SCC shall be deemed to override the provision(s) of GCC only to the extent that such repugnancies of variations in the SCC as are not possible of being reconciled with the provisions of GCC.
- 1.4 Where, it is mentioned in the specification that the contractor shall perform certain work for completing the job in totality or provide certain facilities, it is understood that the contractor shall do so at his own cost and the contract price shall be deemed to have included cost of such performances and provisions, so mentioned.
- 1.5 The intending contractor shall be deemed to have visited the site and gone through the GCC. Non familiarity with site conditions and unawareness of GCC shall in no way be considered a reason for any extra claim or for not carrying out the work in strict conformity with the drawings, specifications or provisions of contract.
- 1.6 In general, this contract is intended for full Comprehensive Operation & Maintenance of the Various make CNG compressor packages at the Bhagyanagar Gas Limited(BGL) CNG stations, thereby the contractor making available the equipments in running conditions at all times, through supply of adequate experienced technicians, OEM spares, OEM recommended consumables, tools & tackles and any other specialized service. The services are to be provided as per **CNG Package** basis, which shall include all the equipment under Chicago pneumatic make CNG compressor packages at the station.
- 1.7 The work executed shall be to the satisfaction of engineer-in-charge/ owner.

2.0 ORDER OF PRECEDENCE

- 2.1 In case of ambiguity in Schedule Of Rates (SOR), SCC, GCC, Scope Of Work (SOW) etc. the following order of precedence will prevail:
 - a) Fax of intent /detailed letter of award along with statement of agreed variations and its enclosures and any corrigendum / addendum.
 - b) Schedule of quantities/ rates along with the preamble.
 - c) SCC
 - d) GCC.

- 2.2 It will be the contractor's responsibility to bring to the notice of engineer-in-charge any irreconcilable conflict in the contract documents before stating the work(s) or making the supply with reference which the conflict exists.
- 2.3 In the absence of any specifications covering any material design of work(s) the same shall be performed/supplied/executed in accordance with standard engineering practice as per the instruction /directions of the engineer-in-charge, which will be binding on the contractor.

3.0 DEFINITIONS

- 3.1 The engineer-in-charge shall mean the engineer-in-charge nominated by the BGL and shall include any person(s) acting as in charge on his behalf for each location.
- 3.2 Authorized representatives shall mean any officer/supervisor/consultant/staff of BGL authorized by the head of department.
- 3.3 Where any portion of the GCC is repugnant to or at variance with any provision of SCC, the provision of SCC shall be deemed to over ride the provisions of GCC and shall to the extent of such repugnancy of variation prevail.
- 3.4 CNG Compressor Package: The CNG Compressor includes the CNG Compressor, Gas Engine and all other associated equipment like Air Compressor System, Air Volume bottles, Fire Fighting System (CO2 Flooding System etc.), PRV's, PCV's, Gas filter and interconnecting pipes and any other equipment supplied by chicago pneumatic compressors along with the compressor package.

4.0 TERMS OF PAYMENTS

- 4.1 Payments shall be released by the owner against submission of monthly RA bills in duplicate by the party along with all requisite documents as mentioned below:
- Manpower attendance Summary sheet
 - Salary details/ wage register of invoicing month
 - Details of salary deposit of invoicing month.
 - EPF and ESIC challan with ECR of previous month of invoicing month
 - Breakdown/ shutdown report
 - Availability Report
 - Gas Loss Report
 - DPR report
 - Maintenance history sheet with spares received & consumption details
 - Log Sheets
 - Average monthly compression capacity per hr to be submitted package wise
 - Package wise average daily fuel consumption report.

Accordingly, payment shall be made within 30 days from the date of submission of bill/invoice, complete in all respect and duly certified by Engineer-In-Charge of Bhagyanagar gas Limited of respective location

NOTE: IF INVOICE SUBMITTED WITHIN 07TH DAY OF SUBSEQUENT MONTH TO

INVOICING MONTH, salary details/ wage register, salary deposit, EPF & ESIC challan with ECR can be submitted for the month previous to the invoicing month, otherwise EP and ESIC challan with ECR of invoicing month to be submitted.

The contractor shall be allowed to sublet the service portion of the contract, with prior approval of BGL. Accordingly, Proof of payment through e-banking to employees, PF Challan etc. in duplicate submitted by the approved sub-contractor to Chicago pneumatic compressors shall be acceptable with RA Bills for service portion. However, the RA bill has to be certified and submitted by Chicago pneumatic compressors i.e. bidder/ OEM.

- 4.2 The RA Bill shall be supported with monthly maintenance reports, Root Cause Analysis (RCA) Report for each Breakdown, Fuel consumption curves of engines and compression losses curves for the month, along with reasons for the deviations from normal Operating Conditions for particular site / specifications.
- 4.3 Operations and Maintenance service charges: Monthly payment on pro-rata basis as certified by engineer-in-charge shall be made against the invoices raised.
- 4.4 The monthly bills, maintenance reports, breakdown reports and all other services will be on CNG Compressor Package wise basis. The bills and its certification will also be done compressor wise basis.

5.0 COMPREHENSIVE OPERATION & MAINTENANCE SERVICES

- 5.1 The party must follow the maintenance requirement as stated below in SCC, but not limited to and ensure to provide trouble free services to the satisfaction of the owner.

6.0 ACCOMMODATION/TRANSPORTATION/MEDICAL

- 6.1 The contractor shall make his own arrangement for the accommodation of his personal at respective locations and subsequent transportation arrangement for them from their place of residence to work place or any other place as required and company shall have no obligation in this respect. The company shall not be responsible for providing any medical assistance to the contractor's personnel.

7.0 DISCIPLINE

- 7.1 The contractor shall be responsible for the discipline and good behavior of all his personnel deployed in the service contracted out and should any complaint be received against any of his employee, he shall arrange to replace such persons within 24 hours of notice issued by the engineer-in-charge. The decision of the engineer-in-charge in this matter shall be final and binding on the contractor.

8.0 GATE PASS

- 8.1 The contractor and/ or approved sub-contractor shall arrange to supply/ renew identity card & Police Verification of his work force at his own cost. Those contractor's personnel shall be required to carry their respective identity card at all times while on duty and produce on demand.

9.0 RIGHT TO GET SERVICES CARRIED OUT THROUGH OTHER AGENCIES

- 9.1 Nothing contained herein shall restrict owner from accepting similar service from other agencies, at its discretion and at the risk and cost of the contractor, if the contractor fails to provide the said services any time.

10.0 SUB- LETTING OF CONTRACT

- 10.1 Sub-letting of the service portion contract may be permitted subject to due approvals from Bhagyanagar

Gas Ltd, however, the overall responsibility of the contract will remain with the Main Contractor. However, the sub-contractor shall have the min. experience of 02 years in providing the CAMC services to similar type of compressor packages.

11.0 CONTRACT PERIOD AND MOBILIZATION PERIOD:

- 11.1 The overall period of contract shall be 03 years from the date mentioned in the FOA. Further, Bhagyanagar Gas Limited may extend the contract for a further period of 6 months under the same rates conditions.
- 11.2 **Mobilization** shall mean establishment of sufficiently adequate manpower, machinery, tool, tackles and spares at site as per the contract.
- 11.3 **Mobilization Period:** As the majority of CNG compressors are already under comprehensive O&M contract with M/s Chicago pneumatic and if the same is continued on the date of issue of FOA/LOA, no mobilization period shall be allowed under new contract.

12.0 INDEMNITY AGREEMENT

- 12.1 The contractor shall exclusively be liable for non-compliance of the provision of any act, laws rules and regulations having over engagement of workers directly or indirectly for execution of work and the hereby undertake to indemnify the company against all actions, suits, proceedings , claims, damages, demands ,losses etc. which may arise under minimum wages act, payment of wages act, workmen compensation act, personnel injury, ESI act, employees provident fund act, family pension and deposit linked insurance scheme or any other act or statutes for the persons engaged under this contract (a certificate to this effect shall be submitted by the contractor immediately on receipt of LOA).

13.0 CONTRACTOR'S RESPONSIBILITY

(a) Employment liability of contractor:

The contractor shall ensure and will be solely responsible for payment of wages and other dues latest by 7th of the following month to the personnel deployed by him in the presence of company's representative. All wages /salaries to employees shall have to be transferred by the contractor directly to employees' bank accounts.

The contractor shall be directly responsible and indemnify the company i.e. BGL against all charges, claims, dues etc. arising out of dispute relating to the dues and employment of personnel deployed by him.

The contractor shall indemnify the company against all losses or damages caused to it an account of acts of the personnel deployed by the contractor. The contractor shall ensure regular and effective supervision of the personnel deployed by him.

The contractor shall be liable for making good damages/ losses arising out of loss or theft of each handled. Leakage pilferage of any office, furniture equipment fitting and fixtures what- so-ever as may be caused directly by the engaged persons through him/ work carried out by them. However, the contractor shall not be liable for consequential damages.

14.0 PENALTY CLAUSE:-

A1. The contractor has to ensure min. 97% availability of each package cumulative on monthly basis. The maximum allowable 3% downtime shall include cumulative downtime for breakdown maintenance and any other related activity excluding OEM recommended major and top overhauling maintenance, preventive maintenance of the compressor packages. Cumulative Non-availability of any machine over and above 3% will attract penalty as given below.

- | | | |
|---|-----|------------------------------|
| 1) Break-down time-up to 8 hours in a month | - | No penalty |
| 2) Break-down beyond 8 hours till 16 hours in a month | - | Rs 5,000/- |
| 3) Break-down beyond 16 hrs till 24 hours in a month | - | Rs 10,000/- |
| 4) Break-down beyond 24 hrs till 48 hours in a month | - | Rs 20,000/- |
| 5) Break-down beyond 48 hrs till 72 hours in a month | - | Rs 30,000/- |
| 6) Breakdown beyond 72 hrs in a month | - | Rs. 40,000/- |
| 7) Continuous Break-down beyond 72 hours till 360 hrs in a month- | 25% | of Monthly Invoice value |
| 8) Continuous Break-down beyond 360 hrs in a month | - | 50% of Monthly Invoice value |

(For example, in a month having 30 days (30x24= 720 hrs), Maximum allowable down time without penalty will be 3% of 720 hrs i.e. ~22 hrs.)

In case there is a continuous break down beyond 72 hrs & upto 15 days, 25 % of monthly invoice value of concerned package will be deducted from monthly invoice. In case breakdown is prolonged beyond 15 days, 50% of monthly invoice value of concerned package will be deducted.

In any case/ any situation, total penalty will be limited to 50% of monthly invoice value of concerned package.

The calculations for levy of penalty as mentioned above shall be calculated on CNG Compressor wise basis for each month for each locations of Bhagyanagar Gas Ltd.

Monthly allowable days for preventive maintenance of compressor package is max.24 hrs. Beyond that specified time shall be treated as breakdown and penalty shall be calculated as mentioned above.

A2. Non-availability of manpower in any shift/any workplace will not be tolerable. The BIDDER will be penalized for each such act as follows:

For non-availability of compressor operator, PPE, Uniform = 1% of Max. Invoice value of Single Pkg. per Instance & Max. amount will be penalized up to 5% of the Max. Invoice value of each package in a month.

If the BIDDER fails to provide PPE and Uniform to his manpower after stipulated time, BGL will provide the PPE and Uniform at his risk and cost considering original invoice value plus 20% overhead charges which will be recovered from BIDDER.

We at BGL will not tolerate any kind of Indiscipline act at the premises from the BIDDER employee's during the service time. If any such incident happens, the BIDDER will be penalized 2% of the Max. Invoice Value per instance & Max. amount will be penalized up to 5% of single package invoice value.

For any IR (Industrial Relation) issue (like strike by operators for wages, union issues etc.) CNG station operation stopped, BIDDER will be penalized Rs. 25,000/Instance and . Max. Caping is up to Rs. 1,00,000 / Month.

Package Gas Loss: Service Provider shall ensure that any action to limit gas losses within 0.5% is taken within 7 days from detection of gas loss. Any loss over and above 0.5% will be recovered from service provider for a period after 7days. Reconciliation of gas (gain or loss) will be done at average on monthly basis for individual package. In case OEM presumes MFM is faulty, then BIDDER must prove that MFM is faulty within 7 days' time period and BIDDER has to check the accuracy of MFM. If require BIDDER must repair/replace it within 7 days. If BIDDER fails to prove that BGL will consider the MFM reading is accurate. However, in any Case/any situation, total cumulative penalty from all accounts (i.e. from gas loss, break down time, statutory requirements etc.) will be limited to 50% of monthly invoice value of concerned package for concerned month only. Beyond 0.5%, BIDDER has to compensate the amount @10 per Kg. during the O&M period. The amount will be deducted from monthly RA bill.

Calculation of gas loss % for GED= ((suction MFM qty-(discharge MFM qty + Fuel MFM qty))/Suction MFM qty)*100

Recovery amount =(total gas loss qty month-allowable gas loss qty per month)*10

Calculation of gas loss % for EMD= ((suction MFM qty-discharge MFM qty))/Suction MFM qty)*100

Recovery amount =(total gas loss qty month-allowable gas loss qty per month)*10

In case Booster compressors:

Penalty towards Excess Fuel Consumption:

At the start of O&M period or even at any point of time during the O& M period, cost towards excess fuel consumption beyond quoted figure shall be deducted from O&M bills.

Following calculations shall be used for deduction towards excess fuel consumption.

$$F = (G-Q) \times H$$

Where,

F= Monthly penalty in Rs.

G= Monthly Actual Gas Consumption kg

Q= Guaranteed consumption rate quoted by supplier based on gas composition, on monthly basis

H=Cost of Natural Gas @ Rs 10 Rs per kg for the monthly consumption

BGL will allow 5% Excess fuel Consumption of guaranteed parameter consumption on 5 years old packages and 10% excess fuel consumption on more than 10years old Packages.

15.0 DEFECT LIABILITY – upto 90 days beyond the completion of work order.

16.0 SPECIFICATION

Work shall be carried out as per the O&M manuals of the OEM.

17.0 COMPLETION/ FINAL CERTIFICATE

Citi wise FOAs / LOAs shall be issued by Bhagyanagar Gas Limited.

The Completion/ Final Certificate shall be issued by EIC on successful and satisfactory completion of O&M contract upon application by contractor

SPECIAL WORK CONDITIONS:

1. BIDDER should ensure his operator to get trained properly and possess STC card before deploying at site. Without STC training operator should not allow to do the CNG compressor operations.
2. BIDDER will select the compressor operator and before deployment at BGL sites, BGL representative will take the Interviews of the operators for the respective site as mentioned in tender.
3. BIDDER should provide its photo identity card to all the employees deployed for compressor operation. These I-card /Batch are to be constantly displayed during duty hours. The ID card should be reissued immediately in case of loss or damage.
4. Shuffling of operator from one location to another in consultation with EIC / BGL representative instructions.
5. Office/control room set up for co-ordination & to run the smooth O&M operations.
6. One dedicated Office set up along with manpower for 24 Hrs to co-ordinate day to day O&M activities along with all instruments, Phones, PC's, Net Facility, equipment's, special tools & tackles and 100% availability of spares around the clock.
7. BIDDER shall provide uniform (Both T-Shirt/Shirt + Trouser are mandatory) & PPEs (Good quality safety shoes, helmets, Raincoat, Gloves etc.) to All the services as approved by BGL & All services / attendants shall wear uniform and PPEs. At the time of duty, Workers without proper uniform & PPE penalty will be imposed.
8. Contractor shall submit a consolidated Key Performance Indicator (KPI) Dashboard to BGL every month covering:
 - Compressor availability (%) vs. 97% target.
 - Number of breakdowns and mean time to repair (MTTR).
 - Gas loss %, oil/coolant consumption trends.
 - Operator attendance and training compliance

Format of the KPI Dashboard shall be finalized with BGL EIC within one(01) month of commencement of services.

9. Root Cause Analysis (RCA) & Breakdown Reporting : RCA reports shall be submitted for all breakdowns exceeding 04 hours within 48 hours of restoration. The report shall include cause, corrective action, preventive action, and timeline for recurrence

avoidance. Failure to submit RCA within stipulated timelines shall attract penalties and withholding of RA bills until compliance.

10. Contractor shall ensure full compliance with PESO, OISD, and other applicable statutory regulations.
11. Use of flameproof, intrinsically safe tools and mandatory PPE is compulsory during all activities.
12. Disposal of used oil, filters, and other hazardous waste shall be carried out strictly through State Pollution Control Board authorized vendors, with records submitted quarterly to BGL.
13. BGL reserves the right to conduct random audits/inspections of spares, consumables, and service quality. bidder shall extend full cooperation and furnish all required documents during such audits.

STATUTORY & LEGAL COMPLIANCES:

1. The BIDDER shall comply with the provisions of all the applicable labour laws, particularly following Acts and any amendments/modifications there-to or any other law relating there-to and rules and thereunder from time to time and comply with all provisions applicable there-in and/or make all the payments specified therein.
 - a) Payment of Wages Act 1936. (Central Wages)
 - b) Workmen's Compensation Act 1923.
 - c) Industrial Disputes Act, 1947
 - d) Minimum wages Act 1948
 - e) Employees State Insurance Act 1948
 - f) Maternity Benefit Act 1961
 - g) Mines Act 1952
 - h) Employees provided funds and Misc., Provisions Act 1952.
 - i) Contract Labor (Regulation and Abolition) Act 1970
 - j) Payment of Bonus Act, 1965
 - k) Factories Act 1948
 - l) Shops and Establishment, Factories Act
2. The BIDDER shall be fully responsible for complying with the provisions (including documentation and submission of Reports on the above to the concerned authorities) and shall indemnify the Company from any such lapse for which the Government/statutory authorities hereunder may take action against the BIDDER and/or the Company.
3. The BIDDER shall be liable to pay his contribution and his employee's contribution to the State Insurance Scheme, Provident Fund Authorities, etc. in respect of all his employees for the performance of his obligations under this Agreement in accordance with the provisions of the Employees' State Insurance Act, 1948. Employees Provident Fund and Miscellaneous Provisions

Act 1952 as amended from time to time. The PF no. & payment details of each employee are to be presented with the monthly bills.

4. In case the BIDDER fails to submit and/or pay full details of his labor employed and the contributions payable, the Company shall recover from the monthly Bills of the BIDDER the amount of the shortfall in contribution assessed by the concerned authorities. The amount so recovered shall be paid to the concerned authorities against the actual contribution payable to Employees State Insurance or Employees Provident Fund, etc
5. The monthly PF, ESIC challans etc. to be presented along ECR statement with the monthly RA bills. Also, Individual PF & ESIC Nos. of all contractual employee to be submitted to BGL otherwise RA bills will not be process for releasing the payments.
6. The BIDDER will be responsible for making the salary directly to the bank account of the employees by 7th of each month from his own sources and subsequently raise bill for reimbursement which will be verified on the basis of actual amount disbursed and attendance etc. and the concerned bank statement should be readily available with the BIDDER and can be asked for verification by client any time.
7. The BIDDER shall deploy at his own cost suitably qualified persons for all the jobs required to be carried out by him under this Contract.
8. All payments shall be made by the BIDDER to his employees in accordance with the various Rules and Regulations stated above. The BIDDER shall keep the Company indemnified from any claims whatsoever inclusive damages/costs or otherwise arising from injuries or alleged injuries or to death of persons employed by the BIDDER.
9. The BIDDER shall provide the manpower as per BGL's requirement as mentioned in the clause mentioned in the general work description. If the services is absent for any reason, it is the duty of BIDDER to immediately provide the replacement . If BIDDER fails to do so, Penalty will be imposed as per the penalty clause.
10. The BIDDER shall, at his own expense, comply with the Model rules of labor welfare framed by the Govt. /Statutory Authorities under the various labor laws from time to time for the protection of their health, etc. In case BIDDER fails to make arrangements as aforesaid, the Company shall be entitled to do so and recover the cost thereof from BIDDER.
11. The insurance for the following will be covered and paid by BIDDER and he shall indemnify the Company and hold the Company harmless in respect of all and any expenses arising from any injury and/or damage in respect of:
12. Workmen's compensation and risk of accidents of BIDDER's own employees.
13. Risk of accident of BIDDER's own employees, representatives, sub- contractors and agents' property of third parties arising out of the acts of BIDDER's employees, representatives, sub-contractors and agents.
14. The BIDDER will be fully responsible for complying with all relevant provisions of the Contract Labor (R&A) Act, 1970, including registering himself / themselves under this Act and shall pay rates of wages and observing hours of work and conditions of employment according to rules in-force from time to time.
15. The BIDDER shall observe and implement all the laws of the land, and the rules framed there under for the staff employed by him and the Company shall in no event be liable or responsible for any default or non-observance of such laws / rules on the part of the BIDDER.

16. Bidder shall provide insurance coverage (accidental, medical, and life) for all deployed manpower and submit proof to BGL along with first RA bill.

SPECIAL CONDITIONS OF CONTRACT:

1. The services shall be provided in terms of shift patterns as mentioned below.
2. The BIDDER is required to carry out all services as mentioned in the scope of service and schedule of rates as mentioned in the service order on all the 365 days including Sundays, All Holidays & National Holidays.
3. The BIDDER shall allow weekly off to his workmen and daily working hours will be fixed as per relevant Act / Law and rules made there under. However, no work shall be left incomplete / unattended on any holiday / weekly rest. The BIDDER or his authorized representative shall interact with the Engineer In-Charge daily for smooth operation and maintenance of all the stations.
4. Regarding work completion, the decision of the Engineer In-Charge shall be final.
5. The BIDDER shall make his own arrangement to provide all facilities like accommodation and transport etc. to his workmen. BGL does not make any commitment to provide his employees with facilities such as office accommodation, transport, canteen, tea, telephone etc.
6. The BIDDER will strictly adhere to all the safety rules and regulations prevailing and applicable from time to time at the installations as directed by BGL.
7. It is the responsibility of the BIDDER to pay wages as per the minimum wages as per central wages of the appropriate government rules applicable under the minimum wages act 1948. Weekly Off to be provided to the employee as per Local Labor Laws and Reliever is in the scope of BIDDER.
8. Overtime to be paid by BIDDER as per Local Labor Laws applicable to work location / sites and NO separate payment will be made against overtime by BGL.

The current minimum wages applicable as per the Minimum Wages Act 1948. i.e., Bidder shall apply central wages for deployed staff.

****Any Statutory variation in minimum wages and other applicable statutory requirement as per Minimum Wages Act 1948 shall be paid by contractor to deployed staff. **. Bidder to consider all possibilities and submit the quote accordingly.**

BGL will not pay any statutory variation and national holiday's payment to the Contractor. The rates quoted by the bidder remains firm during the entire contract period.

9. BIDDER has to pay the National Holidays payment as per the labour laws, no separate payment will be paid by BGL.
10. If the BIDDER finds any discrepancy in the bill payment from company, such discrepancy should be brought to the notice of the Company within 3 months from the date of such payment failing

which the said discrepancy will be ignored, and the BIDDER will not be entitled to any payment therefore. This right of the Company is without prejudice to any other right; the Company is having under this agreement or in law.

- 11 Nothing herein contained shall prevent the Company from engaging any other BIDDER(s) to carry out the work similar to the work entrusted to the BIDDER(s).
- 12 It is agreed between the parties that if the quality of jobs carried out by the BIDDER are not of standard as required by Company and breach of any of the terms and conditions herein mentioned, the Company is at liberty to terminate this Agreement at the option of the Company by giving one months' notice in the writing to the BIDDER without assigning any reasons thereof.
- 13 On the termination of this Agreement, the BIDDER will immediately remove him and his directly or indirectly employed or deployed services from the said premises with all the goods, if any, property and effects belonging to him. The BIDDER shall not cause any hindrance or objection in such circumstances.
- 14 All relevant formats (ISO/ SAP), reports, logbooks, monthly breakdown reports, etc. will be in the BIDDER scope as per direction of Engineer In-Charge and BGL requirement.
- 15 List of critical spares should be available at BIDDER site office during the AMC period and Inventory of the critical spares should be maintained by BIDDER on monthly basis, also updated critical spares list submitted by BIDDER to Engineer –in-Charge on monthly basis.
- 16 At the end of the contract, the spares consumed during carrying out PM and B/D maintenance will belong to BGL. The replaced/damaged parts/spare belongs to BIDDER.
- 17 Qualification document along with experience and ID proof have to be submitted by contractor to EIC of respective location.
- 18 Contractor has to ensure the safety of man and machine all the times. Damages of equipment due to negligence will be recovered as per the decision of engineer- in-charge, which will be final. However, consequential damages shall be out of coverage of this clause.
- 19 Regarding work completion, the decision of the engineer- in-charge will be final and binding.
- 20 All personnel of the contractor entering on work premises shall be properly and neatly dressed and shall wear uniform, badges while working on premises of the company including work sites. Contractor shall provide cotton uniform, safety shoes and other Personal Protective Equipment (PPEs) to his personnel's.
- 21 Contractor shall maintain proper record of his working employee's attendance and payment made to them.
- 22 The contractor's representative/ supervisor shall report daily to the shift-in- charge for day to day working.
- 23 All the safety rules and regulations prevailing and applicable from time to time at the installations as directed by owner will be strictly adhered to by the contractor.
- 24 The contractor shall provide the communication facilities, to its deployed manpower without additional cost to BGL.
- 25 The contractor shall depute his supervision of the services to receive instructions from engineer-in-charge or his representative.
- 26 The contractor shall carry out an independent and comprehensive assessment of the condition of the

compressor on an “as is where is” basis prior to submission of the bid. The contractor shall be deemed to have satisfied himself regarding the scope, condition, and extent of work involved. Any request for increase in quoted rates, for whatsoever reason, shall not be admissible during the execution of the contract.

- 27 The bidder shall ensure that lubricants, oils, and consumables supplied by PSU Oil Marketing Companies (OMCs) are used for the compressor packages. Such products shall strictly conform to or be of equivalent specifications as recommended by the Original Equipment Manufacturer (OEM).
- 28 The daily top-up of required lubricants for CNG compressors shall be in the scope of the Operation Services Providing Contractor. However, the complete top-up/replacement of any lubricants necessitated after carrying out breakdown or preventive maintenance activities shall be in the scope of the Comprehensive Maintenance Contractor.

1. Deficiency:

“Deficiency” shall mean a deficiency in the performance of service(s) as mentioned in the Scope of Work including deployment of minimum resources / average monthly resources (whichever is applicable), poor quality of service, quantity and quality of material, inefficiency of any service(s), non-compliance of statutory provision(s) or non-compliance of any of the RFQ condition(s).

BGL/ Engineer in Charge (EIC) on observing any deficiency may inform/advise the supervisor / representative of the Contractor to rectify the same. If the deficiency(ies) still persists even after repeated advice / information, the Contractor will be issued show-cause notice, setting out the deficiency(ies) observed, to give the Contractor an opportunity to make a representation within 7 (seven) days from the date of receipt of such notice. If any such representation is made by the Contractor, BGL shall take cognizance of the same before taking a final decision to impose penalty(ies) in respect of deficiency(ies). The decision of the EIC with regard to any deficiency in service and penalty(ies) for such deficiency(ies) shall be final and binding on the contractor(s).

- a) It is recognized that there may be deficiencies in the performance by the Contractor with regards to one or more of the services required to be performed under the Scope of Work. With a view to discourage deficiency(ies) in the performance of any service(s) by the Contractor, it is agreed that for each Deficiency as determined by EIC/ BGL in any service(s) to be performed by the Contractor, BGL shall be entitled to levy a token penalty, if not specified elsewhere, of Rs. 1,000/- (Rupees One Thousand only) per day per deficiency.
- b) The Contractor shall maintain all the Reports, Returns, Forms, proforma(s) and other prescribed documents under the applicable Labour Legislations (including those mentioned above) and BGL shall have the right to satisfy itself in this regard at any point of time. Each deficiency by the Contractor shall entitle the BGL to levy a token penalty on the Contractor by deduction in the invoice(s) of the Contractor or from the Security Deposit @ Rs. 1,000/- per instance.

c) *List of deficiencies and penalties thereof:*

Table 4: List of deficiencies and penalties thereof

Sl. No.	Nature of Deficiency in services	Rate of Penalty (Rs.)
1	Non deployment /short deployment of resource(s)	For operation services Rs. 1600/- per resource per instance & for CAMC services Rs.2000/- per instance
2	Complaints of misbehavior or negligence on the part of the resource	Rs. 1,000/- per instance
3	Non-wearing of uniform / wearing untidy uniform by the resource on duty.	Rs.100/- per day per resource
4	Non-submission of running / final bill beyond 30 days of stipulated time for the applicable date of bill submission	Rs. 1,000/- per instance and Rs.100/- per day beyond that.
5	Any other deficiency(ies) in service and/or material as defined in scope of work.	<i>As per SOW/ SCC</i>

However, the total amount deducted towards deficiencies under the contract shall not exceed 5 % of the total contract value.

In addition to the deficiencies regular penalty clause is applicable for non-availability or breakdown of machinery.

- d) In case, the deficiency continues for such period or in such manner as determined by BGL that affects the services as mentioned in the Scope of Work, the EIC may, on expiry of notice period, rectify / re-execute the service as the case may be at the risk and cost of the Contractor or may terminate the contract due to non-performance.

The decision of the EIC, as to any issue arising under this clause, shall be final and conclusive without prejudice to its the right to terminate the Contract thereof / terminate the service(s) on the basis of repeated occurrence of identified deficiency(ies) / instance of persisting poor performance.

In the event of such termination of services / contract, BGL reserves the right to get such service(s) performed at the risks and costs of the Contractor for a period equivalent to the unexpired period of the Contract thereof.

- e) BGL reserves the right to terminate the contract at any time without any reason with 01-month prior written notice.
- f) If the contractor or employees/ representatives of contractor participated in any activities prone to disruption of supplies, then BGL shall have a complete right to take penal action against the contractor and recover the complete loss including overheads from the bidder as per decision of EIC.

29. CONTRACT CUM PERFORMANCE BANK GUARANTEE

- i. SD/CPBG @ 5% of Total order/contract value in case contract period is less than one year or 5% of Annualized order/contract value in case contract period is more than one year.

OR

Initial security deposit (ISD) @ 2.5% of total order/contract value in case contract period is less than one year or 2.5% of annualize order/contract value in case contract period is more than one year within 30 days of FOA/notification of award and deduction @ 2.5% of the RA bill subsequently from RA bills till the total amount of security deposit (including ISD and deduction amount) reaches 5% of Total order/contract value in case contract period is less than one year or 5% of annualized order/ Contract value in case contract period is more than one year.

- ii. For security deposit/ Contract Performance Guarantee purpose, Contract/ Order Value as mentioned above shall be exclusive of taxes and duties.
- iii. The Contract Performance Guarantee will be obtained for a period of 90 days beyond the contract period/ duration and applicable Warranty/ Guarantee /Defect Liability Period (if any).
- iv. Contract performance guarantee is to be submitted by bidder within 30 days after issuance of Fax/Letter of Intent /Acceptance (notification of Award) and in event of delay in submission of CPBG / SD, the contract can be terminated.
- v. However, if termination of contract is not in the interest of BGL, an additional time of 30 days can be allowed (while maintaining the validity of EMD for the requisite period) for submission of CPBG / SD with the approval of CGM as / MD. Further, where contractor/ vendor/supplier is mobilized at site and executing the contract/order as per provision of contract/ order or mile stones decide during Kick of Meeting, further period for submission of CPBG (beyond 60 days) can be given with the approval of MD. Alternatively, Security Deposit can be deducted from the due payment of contractor/ vendor/ supplier against such order/ contract as on exception.
- vi. In the event of Completion of project being delayed beyond the Scheduled Completion Date, for any reason whatsoever, the Owner may without prejudice to any other right or remedy available to the Owner, operate the Bank Guarantee to recover the Compensation for delay leviable as per relevant clause of GCC. The Bank Guarantee amount shall thereupon be increased to the original amount, or the ASSOCIATES may alternatively submit a fresh Bank Guarantee for the equivalent amount of compensation for delay recovered.

30. CONTRACT AGGREGMENT:

Bidder has to execute an agreement in the proforma format mentioned in VOL I of II of bid document on a non-judicial stamp paper of appropriate value within 15 (fifteen) days of the issue of Work Order. The cost of non-judicial stamp paper shall be borne by bidder

Preventive Maintenance Schedules

ICL 2000/6000 Hours Preventive Maintenance		
Sr. No.	Type of Maintenance	Remarks
A) Booster Compressor:		
1	Clean the Lubrication Oil Filter	
2	Claan the Suction Gas Filter	
3	Clean the Suction Valve for 1st atage	
4	Clean the Discharge Vafva for 1st stage	
5	Clean me suction Valve for 2nd stage	
6	Clean the Discharge Valve for 2nd stage	
7	Clean the contacts af Main / Slar / Dalta Contactors	
8	Tight all the Electrical connactions	
9	Check Voltage and Currant with Multimeter	
10	Gheck the setting of Overload relay of Main Motor	
11	Chack the satting of Overload relay of Auxiliary Motors	
12	Claan the electrical panel	
13	Check the oil level. It should be 50% to 70%	
14	Check the water leveL it should be 60% to 90%	
15	Check for any Gas leakage. Ractify if found any	
16	Check for any Oil leakage. Ractify if found any	
17	Check for any Water leakage. Rectify If found any	
18	Check for any Abnormal Sound. Rectify If found any	
19	Fill all the working parameters in the Log Book	
20	Drain the moisture and oil from the oil seperator	
21	Clean tha Compraaor	
B) Air Compressor		
1	Check the oil level in Air Compressor	
2	Check for any Air leakage Rectify If found any	
3	Drain Water from the Air Receiver of Air Comp.	
4	Check for any Abnormal Sound. Rectify if found any	
5	Check the condition of Air Compressor Belt, Replace if required	

ICL 4000 Hours Preventive Maintenance		
Sr.No.	Type of Maintenance	Remarks
A) Booster Compressor:		
1	Replace the Lubrication Oil Filter	
2	Replace the Suction Gas Filter	
3	Check the condition of Suction Valve for 1st stage, Replace if required	
4	Check the condition of Discharge Valve for 1st stage, Replace if required	
5	Check the condition of Suction Valve for 2nd stage, Replace if required	
6	Check the condition of Discharge Valve for 2nd stage, Replace if required	
7	Clean the contacts of Main / Star / Delta Contactors, Replace if required	
8	Check the setting of Reversal valve	
9	Check the setting of Pressure Switch of High Bank	

Preventive Maintenance Schedules

10	Check the setting of Pressure Switch of Medium Bank	
11	Check the setting of Suction Pressure Switch	
12	Check the setting of Emergency Pressure Switch	
13	Tight all the Electrical connection.	
14	Check Voltage and Current with Multimeter	
15	Check the setting of Overload relay of Main Motor	
16	Check the setting of Overload relay of Auxiliary Motors	
17	Clean the electrical panel	
18	Check the oil level. It should be 50% to 70%	
19	Check the water level. It should be 60% to 90%	
20	Check for any Gas leakage. Rectify if found any	
21	Check for any Oil leakage. Rectify if found any	
22	Check for any Water leakage. Rectify if found any	
23	Check for any Abnormal Sound. Rectify if found any	
24	Fill all the working parameters in the Log Book	
25	Drain the moisture and oil from the oil separator	
26	Clean the Compressor	
B) Air Compressor		
1	Replace the Air compressor Oil	
2	Check the oil level in Air Compressor	
3	Check for any Air leakage Rectify If found any	
4	Drain Water from the Air Receiver of Air Comp.	
5	Check for any Abnormal Sound. Rectify if found any	
6	Check the condition of Air Compressor Belt, Replace if required	

ICL 8000 / 16000 Hours Preventive Maintenance			
Sr.No.	Type of Maintenance	Comments to Replace	Remarks
A) Booster Compressor:			
1	Replace the Lubrication Oil Filter		
2	Replace the Suction Gas Filter		
3	Replace the 1st Stage Piston rings	Replace only if the compressor lb having back pressure problem	
4	Replace the 2nd Stage Piston rings		
5	Replace the 1st Stage Piston Slyde Rings		
6	Replace the 2nd Stage Piston Slyde Rings		
7	Replace the 1st Stage Oil Dynamic Seal		
8	Replace the 2nd Stage Oil Dynamic Seal		
9	replace the 1st Staga Oil Slyde Ring		

Preventive Maintenance Schedules

10	Replace the 2nd Stage Oil Sledge Ring		
11	Replace the Compressor Oil		
12	Replace the Water In Compressor Radiator		
13	Check the condition of Liner 1st Stage		
14	Check the condition of Liner 2nd Stage		
15	Check the condition of Piston Rod 1st Stage		
16	Check the condition of Piston Rod 2nd Stage		
17	Check the condition of Piston 1st Stage		
18	Check the condition of Piston 2nd Stage		
19	Check the condition of Suction Valve for 1st stage, Replace if required		
20	Check the condition of Discharge Valve for 1st stage, Replace if required		
21	Check the condition of Suction Valve for 2nd stage, Replace if required		
22	Check the condition of Discharge Valve for 2nd stage, Replace if required		
23	Check the condition of Air Compressor Belt, Replace if required		
24	Clean the contacts of Main / Star / Delta Contactors, Replace if Required		
25	Check the setting of Reversal valve		
26	Check the setting of Pressure Switch of High Bank		
27	Check the setting of Pressure Switch of Medium Bank		
28	Check the setting of Suction Pressure Switch.		
29	Check the setting of Emergency Pressure Switch		
30	Tight all the Electrical connection.		
31	Check Voltage and Current with Multimeter		
32	Check the setting of Overload relay of Main Motor		
33	Check the setting of Overload relays of Auxiliary Motors		
34	Clean the electrical panel		
35	Check the oil level. It should be 50% to 70%		
36	Check the water level. It should be 60% to 90%		
37	Check for any Gas leakage. Rectify If found any		
38	Check for any Oil leakage. Rectify If found any		
39	Check for any Water leakage. Rectify if found any		
40	Check for any Abnormal Sound. Rectify If found any		
41	Fill all the working parameters in the Log Book		
42	Drain the moisture and oil from the oil separator		
43	Clean the Compressor		
B) Air Compressor			

Preventive Maintenance Schedules

1	Replace the Air compressor Oil		
2	Check the setting of Air Compressor Pressure Switch		
3	Check the condition of Air Compressor Belt, Replace if required		
4	Check for any Air leakage. Rectify if found any		
5	Drain Water from the Air Receiver of Air Comp.		
6	Check for any Abnormal Sound. Rectify if found any		



Booster Compressor- Monthly Maintenance Check List

Date :		Time :	
Client Name:		Station Name:	
Booster Compressor Model No:			
Maintenance Type: Monthly Maintenance		Booster Compressor No :	
Name of Incharge:		Booster Compressor HMR:	
Sr.No	Check list	Status	Remarks
A) Booster Compressor			
1	Check Gas Leakage, arrest if any		
2	Check Oil Level in oil Tank		
3	Check Oil Leakage		
4	Check DM water Level in water tank		
5	Check Condition of Flexible Hoses		
6	Check Heat exchanger Fins and clean IR		
7	Inspect Drive Coupling & bolts of Motor		
8	Check for Auto Start /Stop		
9	Clean contacts of Main/Star/Delta Cont.		
10	Check Current drawn by all Motors		
11	Tighten Electric Connection in Panel		
12	Check indication /canopy lamps&Display		
13	Clean Interior of Booster Compressor		
14	Check any Abnormal sound.Rectify if any		
15	Fill all working Parameter in logbook		
B) Air Compressor			
1	Check oil Level in Air Compressor		
2	Check Air Leakage Rectify if found		
3	Check for any Abnormal sound		

Preventive Maintenance Schedules

4	Drain water from air receiver		
5	Check condition of Air Compressor Belt		
C) LCV Filling Post			
1	Check Breakaway Coupling		
2	Check Hose Condition		
3	Check for the gas Leakage		
OEM:Sopan O & M Co Pvt Ltd		Client:	
Name:		EIC Name :	
Signature:		Signature:	

	Booster Compressor- 500 Hours Maintenance Check List
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Date :		Time :	
Client Name:		Station Name:	
Booster Compressor Model No:			
Maintenance Type: 500 hrs Maintenance		Booster Compressor No :	
Name of Incharge:		Booster Compressor HMR:	
Sr.No	Check list	Status	Remarks
A) Booster Compressor			
1	Check Gas Leakage, arrest if any		
2	Check Oil Level in oil Tank		
3	Check Oil Leakage		
4	Check DM water Level in water tank		
5	Check for the Coolant in Water Tank		
6	Check Condition of Flexible Hoses		
7	Check Heat exchanger Fins and clean if required		
8	Inspect Drive Coupling and bolts of Motor		
9	Check for Auto Start /Stop		
10	Clean the contacts of Main/Star/Delta Contactors		
11	Check Current drawn by all Motors		
12	Tighten Electric Connection in Panel		
13	Check indication /canopy lamps and Display		
14	Check Functioning of GD,FD and Hooter		
15	Check condition of Position Transducer		

Preventive Maintenance Schedules

16	Check compressor capacity		
17	Check Functioning of Main Isolation System		
18	Clean Interior of Booster Compressor		
19	Check for any Abnormal sound.Rectify if Found any		
20	Fill all the working Parameter in logbook		
B)Air Compressor			
1	Check oil Level in Air Compressor		
2	Check Air Leakage Rectify if found		
3	Check for any Abnormal sound		
4	Drain water from Air Receiver		
5	Check the condition of Air Compressor Belt		
6	Check setting of Air Compressor Pressure Switch		
7	Check Motor and Starter condition		
C) LCV Filling Post			
1	Check Breakaway Coupling		
2	Check Hose Condition		
3	Check for the gas Leakage		
OEM:Sopan O & M Co Pvt Ltd		Client:	
Name:		EIC Name :	
Signature:		Signature:	



Booster Compressor- 2000 Hours Maintenance Check List

Date :		Time :	
Client Name:		Station Name:	
Booster Compressor Model No:			
Maintenance Type:2000 hrs Maintenance		Booster Compressor No :	
Name of Incharge:		Booster Compressor HMR:	
Sr.No	Check list	Status	Remarks
A) Booster Compressor			
1	Check Gas Leakage, arrest if any		
2	Check Oil Level in oil Tank		
3	Check Oil Leakage		

Preventive Maintenance Schedules

4	Check water Level in water tank		
5	Check for the Coolant in Water Tank		
6	Check Condition of Flexible Hoses		
7	Check Heat exchanger Fins and clean if required		
8	Inspect Drive Coupling and bolts of Motor		
9	Replace the Lubrication oil Filter		
10	Replace the Suction Gas Filter		
11	Check the setting of Inversion Valve		
12	Check the setting of Oil PRV		
13	Check the setting of Priority Header Pressure Switch		
14	Check the condition of oil pump		
15	Check the condition of Water pump		
16	Check for Auto Start /Stop		
17	Clean the contacts of Main/Star/Delta Contactors		
18	Check Current drawn by all Motors		
19	Tighten Electric Connection in Panel		
20	Check indication /canopy lamps and Display		
21	Check Functioning of GD,FD and Hooter		
22	Check condition of Position Transducer		
23	Check compressor capacity		
24	Check Functioning of Main Isolation System		
25	Check the setting of Overload Relay of Main Motor		
26	Check the setting of Overload Relay of Auxillary Motor		
27	Check the Voltage & Current with Multimeter		
28	Clean Interior of Booster Compressor		
29	Check for any Abnormal sound.Rectify if Found any		
30	Fill all the working Parameter in logbook		
B) Air Compressor			
1	Check oil Level in Air Compressor		
2	Check Air Leakage Rectify if found		
3	Check for any Abnormal sound		
4	Drain water from Air Receiver		
5	Check the condition of Air Compressor Belt		
6	Check setting of Air Compressor Pressure Switch		
7	Check Motor and Starter condition		
C) LCV Filling Post			
1	Check Breakaway Coupling		
2	Check Hose Condition		
3	Check for the gas Leakage		
OEM:Sopan O & M Co Pvt Ltd		Client:	
Name:		EIC Name :	

Preventive Maintenance Schedules

Signature:	Signature:
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 Booster Compressor- 5000 Hours Maintenance Check List			
Date :		Time :	
Client Name:		Station Name:	
Booster Compressor Model No:			
Maintenance Type: 5000 hrs Maintenance		Booster Compressor No :	
Name of Incharge:		Booster Compressor HMR:	
Sr.No	Check list	Status	Remarks
A) Booster Compressor			
1	Check Gas Leakage, arrest if any		
2	Check Oil Level in oil Tank(should be 75 % of tank Volume)		
3	Check Oil Leakage		
4	Check water Level in water tank(Should be more than 3/4 of the full volume)		
5	Check for the Coolant in Water Tank		
6	Check Condition of Flexible Hoses		
7	Check Heat exchanger Fins and clean if required		
8	Inspect Drive Coupling and bolts of Motor		
9	Replace the Lubrication oil Filter		
10	Replace the Suction Gas Filter		
11	Check the setting of Inversion Valve		
12	Check the setting of Oil PRV		
13	Check the setting of Priority Header Pressure Switch		
14	Replace the 1st Piston Seal		
15	Replace the 1st Rod Seal		
16	Replace the 1st Flat Rings		
17	Replace the 2st Piston Seal		
18	Replace the 2st Rod Seal		
19	Replace the 2st Flat Rings		
20	Check the Condition of 1st Stage Piston Rod		
21	Check the Condition of 2nd Stage Piston Rod		
22	Check the Condition of 1st Stage Suction Valve		

Preventive Maintenance Schedules

23	Check the Condition of 2nd Stage Suction Valve		
24	Check the Condition of 1st Stage Discharge Valve		
25	Check the Condition of 2nd Stage Discharge Valve		
26	Check the Condition of Liner for 1st & 2nd stage		
27	Check Radiator Fan-1 & Radiator Fan-2		
28	Check all the Pnuematic actuator		
29	Check for Auto Start /Stop		
30	Clean the contacts of Main/Star/Delta Contactors		
31	Check Current drawn by all Motors		
32	Check the direction of fan Rotation		
33	Tighten Electric Connection in Panel		
34	Check indication /canopy lamps and Display		
35	Check Functioning of GD,FD and Hooter		
36	Check condition of Position Transducer		
37	Check compressor capacity		
38	Check Functioning of Main Isolation System		
39	Check the setting of Overload Relay of Main Motor		
40	Check the setting of Overload Relay of Auxillary Motor		
41	Check the Voltage & Current with Multimeter		
42	Clean Interior of Booster Compressor		
43	Check for any Abnormal sound.Rectify if Found any		
44	Calibration of SRV & Instruments		
45	Check the Set Points of all Parameter		
46	Fill all the working Parameter in logbook		
B)Air Compressor			
1	Check oil Level in Air Compressor		
2	Check Air Leakage Rectify if found		
3	Check for any Abnormal sound		
4	Drain water from Air Receiver		
5	Check the condition of Air Compressor Belt		
6	Check setting of Air Compressor Pressure Switch		
7	Check Motor and Starter condition		
C) LCV Filling Post			
1	Check Breakaway Coupling		
2	Check Hose Condition		
3	Check for the gas Leakage		
OEM:Sopan O & M Co Pvt Ltd		Client:	
Name:		EIC Name :	
Signature:		Signature:	

Preventive Maintenance Schedules



Booster Compressor- Set Points Check List

Date :			Time :	
Client Name:			Station Name:	
Booster Compressor Model No: SOPAN.22.DA.450				
Set Points - Check list & Range Value			Booster Compressor No :	
Name of Incharge:			Booster Compressor HMR:	
Sr.No	Set Value Parameter	Unit	Range	Actual Set Point
1	Suction Pressure	Bar	40	
2	Discharge Pressure	Bar	240	
3	Auto stop Cascade Pressure High	Bar	240	
4	Auto start Cascade Pressure Low	Bar	200	
5	Auto Start on Suction Pressure	Bar	180	
6	Discharge Temperature High	Deg	60	
7	Low Suction Auto Start Delay	Sec	30	
8	High Bank Cascade SOV ON	Bar	190	
9	High Bank Cascade SOV OFF	Bar	150	
10	Medium Bank Cascade SOV ON	Bar	200	
11	Medium Bank Cascade SOV OFF	Bar	100	
12	Low Bank Cascade SOV ON	Bar	210	
13	Low Bank Cascade SOV OFF	Bar	200	
14	Cascade Empty	Bar	120	
15	Gas Leakage LEL Level-1	% LEL	20	
16	Gas Leakage LEL Level-2	% LEL	40	
17	Position Transducer Low	mm	55	
18	Position Transducer High	mm	435	
19	Star Delta Switching Time	sec	5	
20	Oil Pressure	Bar	190	
21	Oil Temperature High	Deg	75	

KPCL Monthly Maintenance Check List		
Sr. No.	Type of Maintenance	Remarks
1	Inter-stage temperature and pressure checks	
2	Compressor capacity checks	
3	Fan motor current checks	
4	Gas leak detection	
5	Oil usage monitoring	
6	Safety valve leakage inspection	
7	Mechanical seal oil leakage rate check	

Preventive Maintenance Schedules

KPCL 1500 Hours Maintenance Check List		
Sr. No.	Type of Maintenance	Remarks
1	Inter-stage temperature and pressure checks	
2	Compressor capacity checks	
3	Fan motor current checks	
4	Gas leak detection	
5	Oil usage monitoring	
6	Safety valve leakage inspection	
7	Mechanical seal oil leakage rate check	
8	Includes monthly checks, plus:	
9	Inlet filter inspection	
10	Oil and oil filter change	
11	Oil analysis	
12	Water analysis (applicable for engine cooling)	
13	Check valve inspection	
14	Drive coupling inspection (including clamp bolts)	

KPCL 3000 Hours Maintenance Check List		
Sr. No.	Type of Maintenance	Remarks
1	Inter-stage temperature and pressure checks	
2	Compressor capacity checks	
3	Fan motor current checks	
4	Gas leak detection	
5	Oil usage monitoring	
6	Safety valve leakage inspection	
7	Mechanical seal oil leakage rate check	
8	Includes monthly checks, plus:	
9	Inlet filter inspection	
10	Oil and oil filter change	
11	Oil analysis	
12	Water analysis (applicable for engine cooling)	
13	Check valve inspection	
14	Drive coupling inspection (including clamp bolts)	
15	Compressor valve inspection	
16	Compressor capacity check	

KPCL 6000 Hours Maintenance Check List		
Sr. No.	Type of Maintenance	Remarks
1	Inter-stage temperature and pressure checks	
2	Compressor capacity checks	
3	Fan motor current checks	
4	Gas leak detection	
5	Oil usage monitoring	
6	Safety valve leakage inspection	
7	Mechanical seal oil leakage rate check	

Preventive Maintenance Schedules

8	Includes monthly checks, plus:	
9	Inlet filter inspection	
10	Oil and oil filter change	
11	Oil analysis	
12	Water analysis (applicable for engine cooling)	
13	Check valve inspection	
14	Drive coupling inspection (including clamp bolts)	
15	Compressor valve inspection	
16	Compressor capacity check	
17	Compressor valve overhaul	

KPCL 15000 Hours Maintenance Check List		
Sr. No.	Type of Maintenance	Remarks
1	Inter-stage temperature and pressure checks	
2	Compressor capacity checks	
3	Fan motor current checks	
4	Gas leak detection	
5	Oil usage monitoring	
6	Safety valve leakage inspection	
7	Mechanical seal oil leakage rate check	
8	Includes monthly checks, plus:	
9	Inlet filter inspection	
10	Oil and oil filter change	
11	Oil analysis	
12	Water analysis (applicable for engine cooling)	
13	Check valve inspection	
14	Drive coupling inspection (including clamp bolts)	
15	Compressor valve inspection	
16	Compressor capacity check	
17	Compressor valve overhaul	
18	Visual inspection of piston rings	
19	Inspect compression pistons	
20	Overhaul compressor valves	
21	Inspect oil pump	
22	Visual inspection gudgeon pin bearings	
23	Visual inspection of big end bearing shells and gudgeon pins	
24	Visual inspection rod packings	
25	Clean heat exchanger	
26	Check coupling alignment	
	Oil and Filter Maintenance	
1	Use SAE 40 compressor oil (consult KPCL for oil selection)	
2	After first 500 hours, change oil filter and inspect crankcase	
3	Change oil and filter every 2000 hours	
4	Drain oil while warm	
5	Oil capacity: Crankcase - 16 litres	

Preventive Maintenance Schedules

CP-1500 Preventive maintenance	
Sl.No	Check Description
1	Inter-stage temperature and pressure checks
2	Check for gas leaks
3	Check Oil usage Record
4	Check Safety valve leakage
5	Check mechanical seal oil leakage rate
6	Check status of all instruments Calibration date
7	Inlet filter inspection
8	Oil and Oil filter change
9	Check all NRVs
10	Heat Exchanger Cleaning

CP-3000 Preventive maintenance	
Sl.No	Check Description
1	Inter-stage temperature and pressure checks
2	Compressor capacity checks
3	Check for gas leaks
4	Check Safety valve leakage
5	Check mechanical seal oil leakage rate
6	Check status of all instruments Calibration date
7	Inlet filter inspection
8	Oil and Oil filter change
9	Check all NRVs
10	Check all stages Valves if required replace all gaskets & o rings
11	Heat Exchanger Cleaning
12	Check Drive Coupling inspection

CP-6000 Preventive maintenance	
Sl.No	Check Description
1	Inter-stage temperature and pressure checks
2	Check for gas leaks
3	Check Oil usage Record
4	Check Safety valve leakage
5	Check mechanical seal oil leakage rate
6	Check status of all instruments Calibration date
7	Check/replace Inlet filter & disch filter elements
8	Oil and Oil filter change
9	Replace all NRVs of lubrication line
10	Check all stages Valves ,overhaul/replace
11	Check Drive Coupling inspection including clamp bolts & Coupling
12	Check Compressor tripping system.

Preventive Maintenance Schedules

*The tentative preventive maintenance schedule is provided for bidders' information only.
The bidder shall strictly adhere to the OEM's recommendations.

BGL/669/2025-26



SERVICE REPORT

PCUSTOMER's NAME					
OEM		CHICAGO PNEUMATIC SALES			
SUB-CONTRACTOR		TEJA Engineering Services	PERMIT NO.		
NAME OF SERVICE PERSONS					
NAME OF STATION		DATE		HMR	
COMP. MODEL NO.		COMP SR. NO.		TIME Taken	
TYPE OF MAINTENANCE – Monthly Preventive Maintenance					
Sr. No.	Check Description		Verified	Remarks	
Compressor Checks	1	Inter-stage Temperature and Pressure checks.			
	2	Compressor Capacity checks.			
	3	Check Fan Motor Current and Overload Relay setting.			
	4	Check for gas leaks.			
	5	Check Oil usage Record.			
	6	Check Safety Valve Leakage.			
	7	Check Mechanical seal oil leakage rate (ml/hrs).			
	8	Check status of all Instruments working condition and Calibration date.			
	9	Inlet filter inspection.			
	10	Heat Exchanger Cleaning.			
	11	Check Compressor tripping system.			
	12	Checked operation of Star & Delta contactor, timer, NO NC contact and over load relay. Check connection of Main & Fan Motor do Megger. (Replace Contactor kit if required). (If Soft-starter panel then used Annexure-I).			
	13	Carryout functionality Check of SCADA System.			
Suction Skid	1	Check condition of main Isolation Ball Valve & Gauges.			
	2	Visual Inspection both side Suction Skid Filter & DPG Gauges.			
	3	Check PRV Set pressure check at gauge.			
	4	Leak test of all fittings, sealing's, And PRV + SSV.			
	5	Check functional test of PRV.			
General Safety Instructions					
Sr. No.	Instructions			Remarks	
1	Service carried out as per Safety guideline.			{Yes /No}	



SERVICE REPORT

2	Advised customer to dispose off following hazardous waste like oil and oil absorbed items to state pollution control board, approved agency for proper disposal.							{Yes /No}	
Reach us with our toll free no. 1800 200 0040									
Observation :-									
COMPRESSOR PARAMETERS BEFORE SERVICE									
Date	SUC (Bar)	1st (Bar)	2nd (Bar)	Disch (Bar)	OIL (Bar)	Lube Oil Drops	GD Level-1 (%)	Flow-1 (Kg/Hrs.)	Total Kg-1
Time	SUC (°C)	1st (°C)	2nd (°C)	Disch (°C)	A/C (°C)	OIL (°C)	GD Level-2 (%)	Flow-2 (Kg/Hrs.)	Total Kg-2
Running Hrs.	Fan (Amps)	RY Volt	YB Volt	BR Volt	Auto Start	Auto Stop	Power Factor(pf)	Energy (kWh)	Vibration Switch
SCADA Status	Power (Kw)	R (Amps)	Y (Amps)	B (Amps)	High Bank	Medium Bank	Low Bank	Mobile Bank	Emergency Switch
COMPRESSOR PARAMETERS AFTER SERVICE									
Date	SUC (Bar)	1st (Bar)	2nd (Bar)	Disch (Bar)	OIL (Bar)	Lube Oil Drops	GD Level-1 (%)	Flow-1 (Kg/Hrs.)	Total Kg-1
Time	SUC (°C)	1st (°C)	2nd (°C)	Disch (°C)	A/C (°C)	OIL (°C)	GD Level-2 (%)	Flow-2 (Kg/Hrs.)	Total Kg-2
Running Hrs.	Fan (Amps)	RY Volt	YB Volt	BR Volt	Auto Start	Auto Stop	Power Factor(pf)	Energy (kWh)	Vibration Switch
SCADA Status	Power (Kw)	R (Amps)	Y (Amps)	B (Amps)	High Bank	Medium Bank	Low Bank	Mobile Bank	Emergency Switch
Material Consumed during Maintenance									
Sr.No.	Part No.	MATERIAL DESCRIPTION						Used QTY	
Name of Service Engineer					Customer				
Signature					Signature				
Date :					Date :				



SERVICE REPORT

CUSTOMER's NAME					
OEM		CHICAGO PNEUMATIC SALES			
SUB-CONTRACTOR				PERMIT NO.	
NAME OF SERVICE PERSONS					
NAME OF STATION			DATE		HMR
COMP. MODEL NO.		NG 1200E	COMP SR. NO.		TIME Taken
TYPE OF MAINTENANCE – Monthly Preventive Maintenance					
Sr. No.	Check Description		Verified	Remarks	
Compressor Checks	1	Inter-stage Temperature and Pressure checks.			
	2	Compressor Capacity checks.			
	3	Check for gas leaks.			
	4	Check Oil usage Record.			
	5	Check Safety Valve Leakage.			
	6	Check Mechanical seal oil leakage rate (ml/hrs).			
	7	Check status of all Instruments working condition and Calibration date.			
	8	Inlet filter inspection.			
	9	Heat Exchanger Cleaning.			
	10	Check Compressor tripping system.			
	11	Carryout functionality Check of SCADA System.			
Engine Checks		Air Intake System:			
	1	Observe the air cleaner restriction indicator			
		Gas Pipe Line :			
	1	Check Gas pressure at carburetor inlet and before and after the pressure regulator.			
		Lubrication System:			
	1	Check Engine oil Level.			
	2	Check Hydraulic Governor oil Level.			
		Cooling System:			
	1	Check coolant level and top up with pre-mixed coolant , If required Check Heat Exchanger Zinc plugs			
		Ignition System:			
	1	Check wiring connections are proper In case of Distributors system check CB points and adjust gap , if required			
		Misc. Checks:			
	1	Check Governor & Carburetor linkages are free Check and adjust Belt Tension. Check connection and Gauges.			



SERVICE REPORT

		Intake manifold Temp:		
	1	For turbocharged after cooled engines check and ensure , intake manifold temp. is less than 55 C (130 F)		
Suction Skid	1	Check condition of main Isolation Ball Valve & Gauges.		
	2	Visual Inspection both side Suction Skid Filter & DPG Gauges.		
	3	Check PRV Set pressure check at gauge.		
	4	Leak test of all fittings, sealing's, And PRV + SSV.		
	5	Check functional test of PRV.		

General Safety Instructions

Sr. No.	Instructions		Remarks
1	Service carried out as per Safety guideline.	{Yes /No}	
2	Advised customer to dispose off following hazardous waste like oil and oil absorbed items to state pollution control board, approved agency for proper disposal.	{Yes /No}	

Reach us with our toll free no. 1800 200 0040

Observation :-

COMPRESSOR PARAMETERS BEFORE SERVICE

Date	SUC (Bar)	1st (Bar)	2nd (Bar)	3rd (Bar)	OIL (Bar)	Lube Oil Drops	GD Level-1 (%)	Flow-1 (Kg/Hrs.)	Suc Total Kg-1
Time	SUC (°C)	1st (°C)	2nd (°C)	3rd (°C)	A/C (°C)	OIL (°C)	GD Level-2 (%)	Flow-2 (Kg/Hrs.)	Dis Total Kg-2
Running Hrs.	Eng lube oil Pr	Control Air Pr	Eng Gas suction Pr	Eng oil Temp	Eng JW Temp	Eng LTA W Temp	Eng Exhaust Temp	Eng Fuel Pre	Fuel Total Kg-3
Fuel Flow	Auto Start	Auto Stop	SCADA Status	Vibration Switch	Emergency Switch	High Bank	Medium Bank	Low Bank	Mobile Bank

COMPRESSOR PARAMETERS AFTER SERVICE

Date	SUC (Bar)	1st (Bar)	2nd (Bar)	3rd (Bar)	OIL (Bar)	Lube Oil Drops	GD Level-1 (%)	Flow-1 (Kg/Hrs.)	Suc Total Kg-1
Time	SUC (°C)	1st (°C)	2nd (°C)	3rd (°C)	A/C (°C)	OIL (°C)	GD Level-2 (%)	Flow-2 (Kg/Hrs.)	Dis Total Kg-2



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SERVICE REPORT

Running Hrs.	Eng lube oil Pr	Control Air Pr	Eng Gas suction Pr	Eng oil Temp	Eng JW Temp	Eng LTA W Temp	Eng Exhaust Temp	Eng Fuel Pre	Fuel Total Kg-3
Fuel Flow	Auto Start	Auto Stop	SCADA Status	Vibration Switch	Emergency Switch	High Bank	Medium Bank	Low Bank	Mobile Bank

Material Consumed during Maintenance

Sr.No.	Part No.	MATERIAL DESCRIPTION	Used QTY

Name of Service Engineer	Customer
Signature	Signature
Date :	Date :

PROGRAMA DE MANTENIMIENTO PREVENTIVO

Maintenance Preventive Program



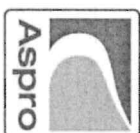
		N de ISERV		0009	Revision	02	
Fecha de emision / Emission date:		23/03/2007		Fecha de actualizacion / Updating date:		19/03/2009	

COMPRESORES IODM 70-3-19 / IODM 70-3-19 COMPRESSOR

Tareas / Works	Materiales / Materials	Codigo / Code	Cant / Quant.	4000 hs	8000 hs	12000 hs	16000 hs	20000 hs	24000 hs	28000 hs	32000 hs	Observaciones / Observations
Limpieza completa del equipo/ Equipment complete cleaning	Desengrasante y trapos / Degreaser and rags				X		X		X		X	O Cada 2 años de operación / Or two operation years
Lavado de aerofriadores/ Aircooler cleaning					X		X		X		X	O Cada 2 años de operación / Or two operation years
Limpieza de carter / Crankcase cleaning	Desengrasante y trapos/ Degreaser and rags			X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Cambio de aceite / oil change	Aceite multigrado 20 W 50 / 20 W 50		20	X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Cambio de filtro de aceite / Oil filter change	Filtro FRAM PH 20 / Fram PH 20 Filter	20118	1	X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Control de correcta lubricacion de aros /				X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Equipment correct lubrication checking	Glicerina liquida / Liquid glycerin			X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Limpieza de visores de lubricacion / Oil sight glasses cleaning			1	X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Prueba de estanqueidad - Fugas de gas / Watertightness test - Gas leakage	Agua Jabonosa / Soapy water		1	X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Prueba de los sistemas de drenajes / Drain systems test				X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Prueba de los sistemas de detencion del equipo / Equipment stop systems test				X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Calibracion de sensibilidad de sensor de vibracion /				X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Vibration sensor sensitivity calibration				X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Control de calibracion de sensores de presion / Pressure sensor calibration control				X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Calibracion de sensor de fuga de gas en caso de que corresponda / Gas leakage sensor calibration if it corresponds				X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months
Limpieza y revision general de tablero de instrumentos / Instrument panel cleaning general inspection	Desengrasante y trapos / Degreaser and rags			X	X	X	X	X	X	X	X	O cada 6 meses de operación / Or six operation months

PROGRAMA DE MANTENIMIENTO PREVENTIVO

Maintenance Preventive Program



		N de ISERV		0009	Revision	02	
Fecha de emission / Emission date:		23/03/2007		Fecha de actualizacion / Updating date:		19/03/2009	

COMPRESORES IODM 70-3-19 / IODM 70-3-19 COMPRESSOR

Tareas / Works	Materiales / Materials	Codigo / Code	Cant / Quant.	4000 hs	8000 hs	12000 hs	16000 hs	20000 hs	24000 hs	28000 hs	32000 hs	Observaciones / Observations
Limpieza de filtro de entrada de gas / Gas Inlet filter cleaning	Alcohol		1	X		X		X		X		
Cambio de filtro conico de entrada de gas con sus respectivas juntas / Gas Inlet conic filter and its	Filtro conico / Conical filter Junta Klingner / Klingner Joint	55297 23465	1 2		X X		X X		X X		X X	
Cambio de filtro coalescente y sus respectivas juntas / Coalescent filter and its respective joints	Filtro coalescente / Coalescent filter O Ring 2-239 N / 2-239 N o-ring	23477 24561	1 1		X X		X X		X X		X X	
	O Ring 2-222 N / 2-222 N o-ring	24629	1		X		X		X		X	
Cambio de diafragma de valvula reguladora de entrada modelo 1098 / Model 1098 Inlet regulating valve diaphragm change	Diafragma de valvula EPTA/Aspro 1098 / Epta-Aspro 1098 valve diaphragm	27010	1		X		X		X		X	O Cada 2 años de operación / Or two operation years
Cambio de filtro sintetizado de valvula reguladora de entrada / Inlet regulating valve sintetized filter change	Elemento filtrante de filtro sintetizado / Sintetized filter filtering element	286-3	1		X		X		X		X	
Limpieza de valvula de entrada / Inlet valve cleaning	Alcohol		1	X	X		X		X		X	
Reparacion de valvula de entrada / Inlet valve repair	Kit de reparacion de valvula solenoid jefferson / Jefferson solenoid valve repair	NA	1			X			X			
Cambio de diafragma de valvula de despresurizado	Diafragma de valvula de Remarco/Aspro /											O Cada 2 años de operación / Or two operation years
/Despresurizing valve diaphragm change	Remarco/aspro valve diaphragm	21258	1	X	X	X	X	X	X	X	X	
Reparacion de piloto de valvula de despresurizado /	Kit de reparacion de valvula EPTA 67 HR /	20875	1		X		X		X		X	
Depressurizing valve pilot repair	EPTA 67 HR Valve repair kit											
Recambio de valvulas de admision y escape de todas	Valvula de admision de 1 etapa / Inlet valve 1st stage	91136	2	X	X	X	X	X	X	X	X	
	Valvula de admision de 2 etapa / Inlet valve 2nd stage	91136	1	X	X	X	X	X	X	X	X	
	Valvula de admision de 3 etapa / Inlet valve 3rd stage	91159	1	X	X	X	X	X	X	X	X	
	Valvula de admision de 4 etapa / Inlet valve 4rd stage	NA	1	X	X	X	X	X	X	X	X	
	Valvula de escape de 1 etapa / Outlet valve 1st stage	91139	2	X	X	X	X	X	X	X	X	
	Valvula de escape de 2 etapa / Outlet valve 2nd stage	91139	1	X	X	X	X	X	X	X	X	
	Valvula de escape de 3 etapa / Outlet valve 3rd stage	91162	1	X	X	X	X	X	X	X	X	



PROGRAMA DE MANTENIMIENTO PREVENTIVO

Maintenance Preventive Program

Fecha de emision / Emission date:	23/03/2007	Fecha de actualizacion / Updating date:	19/03/2009
N de ISERV		0009	Revision
		02	

COMPRESORES IODM 70-3-19 / IODM 70-3-19 COMPRESSOR

Tareas / Works	Materiales / Materials	Codigo / Code	Cant / Quant.	4000 hs	8000 hs	12000 hs	16000 hs	20000 hs	24000 hs	28000 hs	32000 hs	Observaciones / Observations
las etapas / All stages inlet and outlet valve rechange	Valvula de escape de 4 etapa / Outlet valve 4th stage	NA	1	X	X	X	X	X	X	X	X	
Cambio de O Rings y juntas de valvulas / O rings and valves joints change	Juego de O Rings / O-ring and valves copper joints set		1	X	X	X	X	X	X	X	X	
Recambio de valvula antirretorno de ultima etapa / Last stage non-return valve rechange	Valvula antirretorno a platillos / Plates non-return valve	1079	1	X	X	X	X	X	X	X	X	
Cambio de aros de todas las etapas de compresion / All compression stages rings change	Aros de 1 etapa / 1st Stage rings	91507	2		X		X		X		X	
	Aros de 2 etapa / 2nd stage rings	91506	4		X		X		X		X	
	Aros de 3 etapa / 3rd Stage rings	91520	5		X		X		X		X	
	Aros de 4 etapa / 4th Stage rings	NA	0		X		X		X		X	
Cambio de bujes guias de todas las etapas de compresion / All compression stages guide bushing	Buje guia de 1 et / 1st stage guide bushing	91505	1		X		X		X		X	
	Buje guia de 2 et / 2nd stage guide bushing	91508	1		X		X		X		X	
	Buje guia de 3 et / 3rd stage guide bushing	NA	0									
bushings change	Buje guia de 4 et / 4th stage guide bushing	NA	0									
Control dimensional de cilindros y pistones / Cylinders and pistons dimensional control							X				X	
Cambio de piston de 1 etapa / 1st stage piston change	Piston de 1 etapa / 1st stage piston	91524	1						X			
Cambio de piston de 2 etapa / 2nd stage piston change	Piston de 2 etapa / 2nd stage piston	91512	1						X			
Cambio de piston de 3 etapa / 3rd stage piston change	Piston de 3 etapa / 3rd stage piston	NA	0						X			
Cambio de piston de 4 etapa / 4th stage piston change	Piston de 4 etapa / 4th stage piston	NA	0						X			
Cambio de vastago de lado 1 etapa / 1rd stage rod change	Vastago lado 1 etapa / 1 stage Rod	91518	1						X			
Cambio de vastago de lado 2 etapa / 2nd stage rod change	Vastago lado 2 etapa / 2 stage Rod	91514	1						X			
Cambio de arandelas de seguridad de apriete de vastagos / Change of safety washer of rod	Arandelas de presion para tuercas de vastagos / Washer for rod nut	92554	2		X		X		X		X	
Cambio de anillos rascacette / Scraper rings change	Aros rascacette / Scraper rings	91105-J	2					X				

PROGRAMA DE MANTENIMIENTO PREVENTIVO

Maintenance Preventive Program



Fecha de emisión / Emission date:		23/03/2007		Fecha de actualización / Updating date:		19/03/2009	
N de ISERV				0009		Revision	
						02	

COMPRESORES IODM 70-3-19 / IODM 70-3-19 COMPRESSOR

Tareas / Works	Materiales / Materials	Código / Code	Cant / Quant.	4000 hs	8000 hs	12000 hs	16000 hs	20000 hs	24000 hs	28000 hs	32000 hs	Observaciones / Observations
Cambio de sellos radiales de empaquetaduras / Compressor packing radial seals change	Sellos radiales para empaquetadura / Packing radial seals	91103	14					X				
Cambio de sellos tangenciales de empaquetaduras /	Sellos tangenciales para empaquetadura /											
Compressor packing tangencial seals change	Packing tangencial seals	91104	14					X				
Cambio de O Rings de empaquetaduras /	Juego de O Rings de empaquetaduras /		1					X				
Packing oring set change	Packing oring set											
Control dimensional de aro rompe presión /												
Down pressure ring dimensional control								X				
Cambio de aros rompe presión / Down pressure ring change	Aros rompe presión / Down pressure ring	91110	2									
Desarme completo de manovellismo / Compressor unit complete disassembly									X			
Cambio de rodamientos de cigüeñal /	Rodamiento de cigüeñal /											
Compressor crankshaft ball bearing change	Crankshaft ball bearings set	23695	2						X			
Cambio de reten de volante /	Reten de cigüeñal SAV 6025 / SAV 6025											O Cada 2 años de operación / Or two operation years
Compressor flywheel oil seal change	oil seal	23643	1						X			
Cambio de aro tope de reten	Aro tope de reten	91014-1	1						X			
Cambio de metales de biela / White metal bearing change	Juego de metales de biela / White metal bearing change	91207	4				X				X	
Control dimensional de cruzetas / Cross Head												
Dimentional control												
Cambio de cruzetas / Cross head	Cruceetas / Cross Head	91048	2					X				
Control dimensional de pistas de cruzetas / Cross Head dimentional control									X			
Cambio de pernos de bielas / Connecting rod bolt change	Pernos de biela / Connecting rod bolt	91051	2					X				
Cambio de tornillos de perno de bielas / Connecting	Tornillo M8*1,25 L 85 / M8*1,25 L=85 Bolt	24721	2					X				
	Tuerca autofrenante M8 / M8 Nut	23703	2					X				
	Arandela separadora / Separative washer	91047	4					X				
rod pin stud												
Cambio de valvulas antirretorno de lubricación / Non return valve for oil change	Valvula antirretorno de lubricación / Non return valve for oil	23539	3		X		X		X		X	
Reparar bomba a engranajes/ Gear pump repair	Kit de reparación de bomba a engranajes / Gear pump repair kit		1					X				

PROGRAMA DE MANTENIMIENTO PREVENTIVO

Maintenance Preventive Program



Fecha de emision / Emission date:		23/03/2007		Fecha de actualizacion / Updating date:		19/03/2009	
N de ISERV				0009		Revision	
						02	

COMPRESORES IODM 70-3-19 / IODM 70-3-19 COMPRESSOR

Tareas / Works	Materiales / Materials	Codigo / Code	Cant / Quant.	4000 hs	8000 hs	12000 hs	16000 hs	20000 hs	24000 hs	28000 hs	32000 hs	Observaciones / Observations
Engrase de rodamientos de motor electrico /	Grasa Shell Alvania o ESSO Polirex según motor / Shell Alvania or Esso Polirex Grease		1	X	X	X	X	X	X	X	X	
Electric motor ball bearings greased												
Cambio completa de grasa de rodamientos de motor electrico / Electric motor ball bearings grease complete change	Grasa Shell Alvania o ESSO Polirex según motor / Shell Alvania or Esso Polirex Grease		1			X			X			O Cada 4 años de operación / Or four operation years
Medición de aislación de bobinados de motor principal / Main motor winding insulation measurement						X			X			
Cambio de rodamientos de motor principal / Main electric motor ball bearings change			1						X			
Cambio de rodamientos de motor de aero enfriador / Air cooler motor ball bearings change			1						X			
Cambio de válvulas de seguridad (si fuese necesario) / Safety valve change (Only if necessary)	Juego de válvulas de seguridad / Safety valve set		5	X	X	X	X	X	X	X	X	O Cada 1 año de operación / Or one operation year
Horas de trabajo / Working hours												
Emission: Aprobacion: Diego Garcia Dario Krausse												



Bhagyanagar Gas
Limited

HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE
ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG
COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s)
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SECTION 9: SCHEDULE OF RATES (SOR)

BGL/669/2025-26



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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BHAGYANAGAR GAS LIMITED

SCHEDULE OF RATES-PART A

BID DOCUMENT NO: BGL/669/2025-26

SUB: HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

S. No.	Description	Location	UoM	Proposed Qty	Unit Rate per Month Exclusive of all taxes & Duties Except Servicew tax (Rs.)	GST in %	Total Amount cetrified inclusive of all taxes & Duties Except Service tax (Rs.)
I. Operation services for CNG Compressor packages							
PART A							
1	Operation Services – Cluster-Based Deployment: Operation and routine monitoring services of engine-driven / motor-driven online compressors/variable compressors installed in various CNG stations on 3-shift basis as per the cluster wise list provided in the scope of work defined in the tender document.	Hyderabad	Per month	432		18%	
		Vijayawada	Per month	324		18%	



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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	The quoted monthly rate shall be inclusive of all manpower costs, tools, consumables (engine oil and compressor oil, coolant, etc)for daily running of the machine,, supervision, PPEs, statutory compliances, etc. (i.e. No.of shifts* No. of services per day *No. of clusters *36 months) Monthly Rate per operation service per cluster to be quoted	Kakinada	Per month	1		18%	
2	Operation Services – At Mother stations/ satellite mother stations Deployment: Operation and routine monitoring services of Gas Engine/ electric motor driven compressors installed in various Mother stations/ satellite mother stations with 01 compressor package on 3-shift operation including the LCV loading operations as per the list provided in the scope of work defined in the tender document. The quoted monthly rate shall be inclusive of all manpower costs, tools, consumables (engine oil and compressor oil, coolant, etc)for daily running of the machine, supervision, PPEs, statutory compliances, etc. (i.e. No.of shifts* No. of services per day *no. of clusters*36 months) Monthly Rate per operation service per cluster per month to be quoted	Hyderabad	Per month	864		18%	
		Vijayawada	Per month	324		18%	
		Kakinada	Per month	108		18%	
3	Operation Services – At Mother station/ satellite mother stations Deployment: Operation and routine monitoring services of Gas Engine/	Hyderabad	Per month	432		18%	



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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electric motor driven compressors installed in various Mother stations/ satellite mother stations with more than 01 compressor package and upto 04 packages in the same premises on 3-shift operation including the LCV loading operations as per the list provided in the scope of work defined in the tender document. The quoted monthly rate shall be inclusive of all manpower costs, tools, consumables consumables (engine oil and compressor oil, coolant, etc for daily running of the machines supervision, PPEs, statutory compliances, etc.
(i.e. No.of shifts* No. of services per day *no. of clusters(i.e.sites)*36 months)
Monthly Rate per operation service per cluster per month to be quoted

Vijayawada	Per month	216		18%	
Kakinada	Per month	108		18%	
GRAND TOTAL INCL OF ALL TAXES AND DUTIES					



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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BHAGYANAGAR GAS LIMITED

SCHEDULE OF RATES-PART B

BID DOCUMENT NO: BGL/669/2025-26

SUB: HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

S. No.	Description	Location	UoM	Proposed Qty	Unit Rate per Month Exclusive of all taxes & Duties Except Servicew tax (Rs.)	GST in %	Total Amount cetrified inclusive of all taxes & Duties Except Service tax (Rs.)
II. Comprehensive Maintenance services of CNG Compressor packages :							
Part-B: Chicago Pneumatic compressor packages (Gas engine driven/ Electric Motor driven)							
1	Lump Sum Charges for Comprehensive Annual Maintenance Contract (CAMC) for 1200 SCMH/ 600 SCMH Gas Engine Driven (GED) CNG Online Compressor Package of Chicago Pneumatic make, including engine, CNG compressor, air compressor, and all associated accessories.	Hyderabad	Per month	216		18%	₹ -
		Vijayawada	Per month	180		18%	₹ -



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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	The scope shall include all maintenance activities i.e. preventive maintenance, breakdown repairs, top overhauling, and major overhauling and shall be inclusive of all required manpower, OEM-recommended spares, consumables, lubricants, tools, tackles, calibrations, painting, and any other special services , etc. The quoted rate shall be inclusive of all duties, transportation, and mobilization/demobilization charges. No. of machine months(i.e.months)=No.of machines*36months	Kakinada	Per month	36		18%	₹	-
2	Lump Sum Charges for Comprehensive Annual Maintenance Contract (CAMC) for 600 SCMH /1200 SCMH Electric Motor Driven (EMD) CNG Online / variable suction Compressor Package of Chicago Pneumatic make, including Main Motor, CNG compressor, air compressor, and all associated accessories. The scope shall include all maintenance activities i.e. preventive maintenance, breakdown repairs, top overhauling, and major overhauling and shall be inclusive of all required manpower, OEM-recommended spares, consumables, lubricants, tools, tackles, calibrations, painting, and any other special services , etc. The quoted rate shall be inclusive of all duties, transportation, and mobilization/demobilization charges.	Hyderabad	Per month	175		18%	₹	-



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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No. of machine months(i.e.months)=No.of machines*36months

GRAND TOTAL INCLUSIVE OF ALL TAXES AND DUTIES

₹

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HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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BHAGYANAGAR GAS LIMITED							
SCHEDULE OF RATES-PART C							
BID DOCUMENT NO: BGL/669/2025-26							
SUB: HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS							
S. No.	Description	Location	UoM	Proposed Qty	Unit Rate per Month Exclusive of all taxes & Duties Except Servicew tax (Rs.)	GST in %	Total Amount cetrified inclusive of all taxes & Duties Except Service tax (Rs.)
II. Comprehensive Maintenance services of CNG Compressor packages :							
Part-C KPCL compressor packages (Gas engine driven/ Electric Motor driven)							
1	Lump Sum Charges for Comprehensive Annual Maintenance Contract (CAMC) for 1900 SCMH Electric Motor Driven (EMD) CNG Online Compressor Package of KPCL make, including Main Motor, CNG compressor, air compressor, and all associated accessories. The scope shall include all maintenance activities i.e. preventive maintenance, breakdown repairs, top overhauling, and major overhauling and shall be inclusive of all required manpower, OEM-recommended spares, consumables, lubricants, tools, tackles, calibrations, painting, and any other special	Hyderabad	Per month	36		18%	₹ -



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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	services , etc. The quoted rate shall be inclusive of all duties, transportation, and mobilization/demobilization charges. No. of machine months(i.e.months)=No.of machines*36months					
2	Lump Sum Charges for Comprehensive Annual Maintenance Contract (CAMC) for 600 SCMH Gas Engine Driven (GED) CNG Online Compressor Package of KPCL make, including engine, CNG compressor, air compressor, and all associated accessories. The scope shall include all maintenance activities i.e. preventive maintenance, breakdown repairs, top overhauling, and major overhauling and shall be inclusive of all required manpower, OEM-recommended spares, consumables, lubricants, tools, tackles, calibrations, painting, and any other special services , etc. The quoted rate shall be inclusive of all duties, transportation, and mobilization/demobilization charges. No. of machine months(i.e.months)=No.of machines*36months	Kakinada	Per month	36	18%	₹ -
GRAND TOTAL INCLUSIVE OF ALL TAXES						₹ -



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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BHAGYANAGAR GAS LIMITED

SCHEDULE OF RATES-PART D

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SUB: HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

S. No.	Description	Location	UoM	Proposed Qty	Unit Rate per Month Exclusive of all taxes & Duties Except Servicew tax (Rs.)	GST in %	Total Amount cetrified inclusive of all taxes & Duties Except Service tax (Rs.)
II. Comprehensive Maintenance services of CNG Compressor packages :							
Part- D :Delta compressor packages (Electric Motor driven)							
1	Lump Sum Charges for Comprehensive Annual Maintenance Contract (CAMC) for 600 SCMH Electric Motor Driven (EMD) CNG Online / variable suction Compressor Package of Delta Aspro make, including Main Motor, CNG compressor, air compressor, and all associated accessories.	Hyderabad	Per month	252		18%	₹ -
		Vijayawada	Per month	324		18%	₹ -



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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The scope shall include all maintenance activities i.e. preventive maintenance, breakdown repairs, top overhauling, and major overhauling and shall be inclusive of all required manpower, OEM-recommended spares, consumables, lubricants, tools, tackles, calibrations, painting, and any other special services , etc. The quoted rate shall be inclusive of all duties, transportation, and mobilization/demobilization charges. No. of machine months(i.e.months)=No.of machines*36months	Kakinada	Per month	36		18%	₹	-
GRAND TOTAL INCL OF ALL TAXES AND DUTIES							₹ -



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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BHAGYANAGAR GAS LIMITED							
SCHEDULE OF RATES-PART E							
BID DOCUMENT NO: BGL/669/2025-26							
SUB: HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS							
S. No.	Description	Location	UoM	Proposed Qty	Unit Rate per Month Exclusive of all taxes & Duties Except Servicew tax (Rs.)	GST in %	Total Amount cetrified inclusive of all taxes & Duties Except Service tax (Rs.)
II. Comprehensive Maintenance services of CNG Compressor packages :							
Part-E: SOPAN booster compressor packages (Electric Motor driven)							



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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1	Lump Sum Charges for Comprehensive Annual Maintenance Contract (CAMC) for 400 SCMH (Average) Electric Motor Driven (EMD) CNG variable suction Booster Compressor Package of Sopan O&M company Pvt Ltd make, including Main Motor, CNG compressor, air compressor, and all associated accessories. The scope shall include all maintenance activities i.e. preventive maintenance, breakdown repairs, top overhauling, and major overhauling and shall be inclusive of all required manpower, OEM-recommended spares, consumables, lubricants, tools, tackles, calibrations, painting, and any other special services , etc. The quoted rate shall be inclusive of all duties, transportation, and mobilization/demobilization charges. No. of machine months(i.e.months)=No.of machines*36months	Hyderabad	Per month	324		18%	₹	-
GRAND TOTAL INCL OF ALL TAXES AND DUTIES								₹ -



HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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SCHEDULE OF RATES- PART F

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SUB: HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

S. No.	Description	Location	UoM	Proposed Qty	Unit Rate per Month Exclusive of all taxes & Duties Except Servicew tax (Rs.)	GST in %	Total Amount cetrified inclusive of all taxes & Duties Except Service tax (Rs.)
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II. Comprehensive Maintenance services of CNG Compressor packages :

PART-F :ICL booster compressor packages (Electric Motor driven)

1	Lump Sum Charges for Comprehensive Annual Maintenance Contract (CAMC) for 400 SCMH (Average) Electric Motor Driven (EMD) CNG variable suction Booster Compressor Package of Indian Compressors Ltd (ICL) make, including	Hyderabad	Per month	1584		18%	₹ -
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HIRING CLUSTER BASED OPERATION SERVICES AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) SERVICES FOR CNG COMPRESSORS AT HYDERABAD, VIJAYAWADA AND KAKINADA GA(s) FOR A PERIOD OF 03 YEARS

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Main Motor, CNG compressor, air compressor, and all associated accessories. The scope shall include all maintenance activities i.e. preventive maintenance, breakdown repairs, top overhauling, and major overhauling and shall be inclusive of all required manpower, OEM-recommended spares, consumables, lubricants, tools, tackles, calibrations, painting, and any other special services , etc. The quoted rate shall be inclusive of all duties, transportation, and mobilization/demobilization charges. No. of machine months(i.e.months)=No.of machines*36months	Vijayawada	Per month	468		18%	₹	-
	Kakinada	Per month	144		18%	₹	-
	GRAND TOTAL INCLUSIVE OF ALL TAXES AND DUTIES						₹ -