



APPROVED VENDOR/ MAKES FOR CNG

Document No: GGL/TS/CNG/SUPPLY/CNG MATERIAL/VENDOR LIST

REV. NO	CLAUSE NO.	REVISION DESCRIPTION	DATE OF ISSUE

Sr. No.	Item	Approved Makes/ Vendors
1	Engine	Caterpillar/ Waukesha/ Cummins
2	Electric Motor	GE/ Alstom/ Siemens/ ABB/ Bharat Bijlee/ Crompton/ Kirloskar/ WEG/ Schneider/ Laxmi Hydraulic (LHP)/ Hindustan Electric (HEM)/ Valid PESO approval
3	Power and Control cables	Alcatel/ Nexans/ Pirelli/ Mitsubishi/ Furukawa/Okonite/ Hitachi/ Havells/ CCI/ Nicco/ Torrent/ Gems Cab/ Polycab/Finolex/ KEI/ AVOCAB/ Grandlay Electrical (India)
4	LV Switchgear/MCCB/ MCB	GE/ ABB/ Siemens/ Schneider/ L&T/ C&S/ Havells/ CSC/ MDS/ IndoAsian/ Clipsal/ Datar/ Shrenik
5	Adjustable Frequency Drive	ABB/ GE/ Siemens/ Allen Bradley/ Danfoss/ L&T- Yaskawa/ Schneider
6	Soft Starter	GE/ Alstom/ Siemens/ ABB/ Bharat Bijlee/Crompton/ Kirloskar/ WEG/ Allen Bradley/ Danfoss/ L&T- Yaskawa/ Schneider
7	FLP Switchgear/Control Panel/Junction Box with required Tag/ Identification/ FLP Lighting/ FLP JB approved/Start/ Stop Push Button	Baliga Lighting Equipments Pvt. Ltd./ CEAG/Flame Proof Control Gears Pvt. Ltd./ Flame Proof Equipment Pvt. Ltd./ Flex pro Electricals Pvt. Ltd./ Sudhir Switchgears Pvt. Ltd./ Crompton Greeves Ltd/ Shyam Switch Gear/ Easypact/ Schneider/Siemens/ ABB/ L&T/C&S/FCG/ Kaysons/ Sai Industries/ Surya// IDEC Approved Make/ Technic India/ PESO Approved
8	Filling and Vent Breakaway Coupling/ Quick Connect Breakaway	Sherex/Staubli/ Rectus-Tema/ OPW/ Parker/ WEH/ Smectite
9	Tubes	Sandvik/ Tubacex/ Ratnamani/ Jindal Saw
10	SS Tube Fitting and Valves	Swagelok/ Parker/ SSP USA/ Ham-let/ Hylok/ Dk-lok/ Astec/ Dawsons-Tech
11	SRV for Compressor/ Dispenser	Farris/ DK-lok/ Parker/ Swagelok/ Mercer valve/ Tyco Sanmar/ Fainger Ieser/ FMC Sanmar Ltd./ Mekaster Engineering Ltd./ Nirmal Industrial/ Protego Equipments/ RMG Regal + Messtech GmbH/ Sebm Valves
12	SRV for Cascade	Parker/ Swagelok (SS 316)/ Daswsons-Tech
13	Discharge Gas Filter for Compressor	Swagelok/ Parker/ Shavo/ Fisher/ TGT/ BEKO/ Ultrafilter/ CP Make/ OEM Approved (Refer Note-7)
14	Filter Assembly/ Element for Dispenser	Filter Housing: OEM/ Compac; Filter Element: Parker/ Compac/OEM
15	Gas Filter Regulator	ABB/ Blue Star/ Placka/ Shavo/ V Automat/ Fisher
16	Self-Actuated Pressure Control Valve	Fisher/ Dresser/ Tyco Sanmar/ Instromet/ Keye & MacDonald/ Nuovo/ Nirmal/ Vanaz/ Virgo/ Emerson/RMG Regal
17	Control Valve	Fisher/ Flowserve/ Nuovo/ SPX/ Hopkinson/ Dembla
18	Pressure Control Valve for Dispenser	Fisher
19	Field Transmitter (Pressure, Diff. Pressure, Temperature, Flow, Level)	Emerson/ Honeywell/ Yokogawa/ ABB/ E & H/Wika/ Waaree/ Pricol/ Switzer/ Setra / PESO approved

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20	Pressure Transducer	WIKA/ MSI/ GEMS Sensors/ Pricol/ Switzer/ Waaree/ Buamer/ MES
21	Mass Flow Meter (Coriolis type)	Emerson (Micromotion)/ Endress and Hauser/ Compac (Approved only for CNG Dispenser)
22	Pressure/ Temperature Gauges	Pricol/ Switzer/ Wika/ Waaree/ ALTOP Industries Limited/ Baumer/ General Instruments Consortium (GIC)/ ITEC
23	Differential Pressure Gauges	Pricol/ Switzer/ Wika/ Waaree/ ALTOP Industries Limited/ Baumer/ General Instruments Consortium (GIC)/ Hirlekar Precision Eng. Pvt. Ltd./ Parker/ Monitors India
24	Solenoid Valves	Asco India/ Avcon India/ Schrader/ Parker/ Jeffersons/ Rotex/ Compac/ Any PESO approve make with TC / traceability
25	Flame Detector	Meggitt/ Spectrex/ Det-Tronics/ Honeywell/Krom Schroder/ ESP safety/ PESO approved
26	Gas Detector	Crowcon/ Detronics/ Anacon/ ESP safety/ Honeywell/ Krome Schneider / PESO approved
27	PLC	Siemens/ Allen Bradley/ Schneider/ Telemecanique/ Honeywell/ Phoenix Contact
28	Filling Hose/ Vent Hose with proper resting/ holding provision & common safe venting arrangement	Swagelok/ Parker/ Synflex/ SSP
29	Nut With Bull Nose (for CNG Cascade)	Approved by PESO (Brass)
30	Cylinder Valve with Burst Disc (for CNG Cascade)	Approved by PESO (Brass)
31	Actuator Ball Valve	Parker/ Swagelok/ Compac/ OEM design
32	Check Valve (NRV)- For Dispenser	Parker/ Swagelok/ Compac/ TGT/ SSP/ Astec
33	Third Party Inspection Agency	Lloyds/ KPMG/ SGS/ BVQI/ DNV/ Davy Power Gas/ GLIS/ICS/TPI Certified by NABCB(QCI) and approved by GGL
34	Dispensers (Applicable only for Compressor Package Tender)	Tulsa Gas – USA/ Greenfield-USA/ Safe-Singapore/ Galileo-Argentina/ Dresser Wayne –USA or Sweden only/ FTI – Canada/ Veridis-Canada/ Parker Hannifin-India/ Compaq India/ Gasorex SR Energy Pvt. Ltd.
35	Storage Cylinders and Cascade (Type-1)- (Applicable only for Compressor Package Tender)	Everest Kanto/ Rama Cylinders/ Nitin Fire Protection/ Confidence Petroleum India Ltd. (with cylinder of Maruti Koatsu Cylinders/ Sarju Impex Ltd.)/ Confidence Enterprises Pvt. Ltd.
36	NGV fill Nozzle - For Dispenser	Staubli/ Sherex/ WEH / OPW/ Parker
37	Three Way Ball Valve- 90° Actuation (1/4" NPTF Trunion)- For Dispenser	Swagelok
38	Three Way Ball Valve- 180° Actuation (1/4" NPTF Trunion)- For Dispenser	Parker/ Swagelok/ Compac
39	3/8" Quick Release Coupling, Nipple, Quick Release Coupler	Parker/ Swagelok/ Staubli/ Rectus-Tema/ OPW/ Snaptite

Sr. No.	Item	Approved Makes/ Vendors
40	Copper (Tube, Connector, Tee equal and Cross equal)	Swagelok/Parker/Panam/JJ Hudraulics/ Super Hydrotech
41	Brass (Connector, Tee, Reducer, Nut & Ferrule Set)	Swagelok/Parker/Panam/JJ Hudraulics/ Super Hydrotech
42	Bleed Valve	Parker/ Swagelok/ Compac/ SSP USA/ Ham-let/ Hylok/ Dk-lok/ Astec
Note:		
1	All Electrical and Instrument items having valid PESO approval are accepted. Valid PESO approval certificate along with test certificate mentioned in PESO approval shall be submitted during detailed engineering for GGL approval.	
2	Bidder is solely responsible for the quality, warranty, delivery time etc. for the material supplied for the above mentioned Make/ Vendor.	
3	GGL shall not be made responsible at any given point of time for quality, warranty, delivery time, operations, spares etc. for the above mentioned Make/ Vendor	
4	GGL reserves the right to delete and/ or change the Make/ Vendor at its sole discretion without assigning any reason to Bidders.	
5	If Bidder proposes any other makes/vendors of material that is not specified in the approved makes/vendors list then Qualification Criteria attached as Annexure-A (Qualification Criteria for Make/ Vendor Approval in CNG Related Running Contract) should be followed.	
6	Compac make valves are approved only for Compac make dispensers	
7	OEM make is accepted for discharge gas filter subject to complying GGL technical specifications. Hydrotesting shall be performed at 1.5 times of design pressure and necessary design document and testing certificate of the highest working pressure and design pressure shall be submitted during detailed engineering	

Annexure-A : Qualification Criteria for Make/ Vendor Approval in CNG Related Running Contracts				
Sr. No.	Description	Applicable/ Not Applicable	Complied Yes/ No	Requirement for Consideration
1	Bidder request in pre-bid stage	GE/ Alstom/ Siemens/ ABB/ Bharat Bijlee/ Crompton/ Kirloskar/ WEG/ Schneider/Valid PESO approval		Bidder shall have raised the request for inclusion of proposed Make/ Vendor in pre-bid stage
2	Undertaking from Bidder	Alcatel/ Nexans/ Pirelli/ Mitsubishi/ Furukawa/Okonite/ Hitachi/ Havells/ CCI/ Nicco/ Torrent/ Gems Cab/ Polycab/Finolex/ KEI		With no cost & time implication on GGL. Bidder shall be responsible for complete contract duration
3	Undertaking from proposed Make/ Vendor			No blacklisting/ holiday by any of the GSPC Group Company, any CGD Entity, any Oil & Gas Company in past as per the format attached in Tender
4	Undertaking from Bidder	ABB/ GE/ Siemens/ Allen Bradley/ Danfoss/ L&T- Yaskawa/ Schnieder		Bidder to undertake that the change in Make/ Vendor proposed shall not be OEM Item or Item/ Component related to Type Approval
5	Satisfactory performance in minimum One (1) CGD entities, PSU, PSU JV, Oil and Gas Companies in India, in last three years			Performance Certificate along with PO copies & test certificates from minimum one (1) CGD entities, PSU, PSU JV, Oil and Gas Companies in India as mentioned with clear name and contact details of CGD entities, PSU, PSU JV, Oil and Gas Companies in India. Order placed or certificate issued for trial/ test orders shall not be considered
6	Statutory Regulatory Approval for each Model/ Prototype	Baliga Lighting Equipments Pvt. Ltd./ CEAG/Flame Proof Controlgears Pvt. Ltd./ Flame Proof Equipment Pvt. Ltd./ Flex pro Electricals Pvt. Ltd./ Sudhir Switchgears Pvt. Ltd./ Crompton Greeves Ltd/ Shyam		Valid Certificate to be provided, if applicable

		Switch Gear/ Easypact/ Schneider/Siemens/ ABB/ L&T/C&S/FCG/ Kaysons/ Sai Industries/ Surya// IDEC Approved Make/ Technic India/PESO Approved		
7	PESO Approval			Valid Certificate to be provided, if applicable
8	SMPV Approval			Valid Certificate to be provided, if applicable
9	Type Approval	Swagelok/ Parker/ SSP USA/ Ham-let/ Hylok		Valid Certificate to be provided, if applicable
10	CIMFR Approval			Valid Certificate to be provided, if applicable
11	ATEX/ ICEX Approval			Valid Certificate to be provided, if applicable
12	Weights & Measure Approval			Valid Certificate to be provided, if applicable
13	Testing Facility Adequacy			NABL Accreditation for in-house testing facility
14	Calibration Facility Adequacy			NABL Accreditation for in-house calibration facility
15	Spares Availability			Bidder to submit entire spare part list of proposed Make/ Vendor
16	Power Rating			At par or better than GGL approved Make equivalent item
17	Power/ Fuel Consumption			At par or better than GGL approved Make equivalent item
18	After Sales Service Set-up	Emerson/ Honeywell/ Yokogawa/ ABB/ E & H/Wika/ Waaree/ Pricol/ Switzer/ Setra / PESO approved		Bidder to submit undertaking from Make/ Vendor proposed for Service Set-up availability & adequacy
19	Inter-changeability with GGL approved Make/ Vendor			Bidder to submit undertaking from Make/ Vendor for same along with technical details comparison with item/ component proposed to be replaced
20	Integration with GGL System			Bidder to submit undertaking from Make/ Vendor for same along with technical details comparison with item/ component proposed to be replaced

21	Life Cycle with respect to GGL approved Make/ Vendor			Bidder to submit undertaking from Make/ Vendor for same along with technical details comparison with item/ component proposed to be replaced
22	Any Specific Certificate/ Approval Required			As per GGL Guidelines
23	Safety Requirement	Meggitt/ Spectrex/ Detronics/ Honeywell/Krome Shcroder/ ESP safety/ PESO approved		As per GGL Guidelines
24	Fire Requirement	Crowcon/ Detronics/ Anacon/ ESP safety/ Honeywell/ Krome Schnieder / PESO approved		As per GGL Guidelines

Bidders to Note:

1	Above is tentative check-list for Make/ Vendor approval, but not limited to any other requirement as per applicable regulations, codes, standards etc.
2	Approval of Make/ Vendor which requires change in design, change in technology, change in actuation system, change in operation & maintenance philosophy, proprietary make, single vendor, non-adequate after sales support etc. shall not be considered under this approval.
3	Approval of any Make/ Vendor is solely at the discretion of GGL based on business requirement and shall not provide any right to bidder to claim the approval.
4	No change of OEM item, any item/ component related to type approval on which basis bidder has been awarded contract shall be entertained. Approval of Make/ Vendor of Gas Measuring Devices shall not be entertained.
5	Approval of Make/ Vendor of Drive of CNG Compressor shall require Minimum Two (2) years of satisfactory performance in last three (3) years in minimum two (2) CGD Entities of PSU or PSU JV in India for at least 50% of required quantity in Supply Orders.
6	GGL reserves the right to ask the bidder for getting any sort of testing/ calibration etc. required to ascertain the quality and service performance of proposed item without any cost and time implication to GGL.
7	Time required in evaluation of proposed item by GGL consultant shall not give any right to bidder to claim for time extension.
8	At the time of proposing additional Make/ Vendor, bidder shall be required to submit all documents with Signature of Authorized Signatory. Authorized Signatory authorization shall be provided by Board of Directors or CMD/ Owner/ CEO.
9	Bidder shall be responsible for the quality and satisfactory performance of the item during entire contract duration including Warranty & DLP.