



Concept Note on:

“ज्ञानानुभव-प्रवाह सहायात्रा” [Gyanaanubhav Prawaah Sahayatra – (GPS)].

(an initiative for inter-company experience & knowledge sharing through planned visits with focal theme)

The Background:

The current business environment is characterized by *unprecedented competition, increasing complexities* and *rapid change*. Speed, intangibility and Connectivity are redefining the paradigms of technology.

These changes are, no doubt, indicative of tremendous opportunities but at the same time, the challenges are also many. This makes it essential to ensure that our focus must be on the areas like building technical competence, assimilation of the state-of-art technology, experimenting and innovation. In this context, continual learning including learning from the past experience is one of the critical aspects to ensure organizational growth.

Further, it has been rightly said that **the more we share our knowledge and experience, more they get enhanced and all concerned get enriched and empowered**. This is universally applicable to the individuals as well as organizations and group of organizations. **Thus, it is only with such initiatives that it would be possible for any us to march ahead towards achieving the objectives of our sector/industry and to ensure sustainable growth**

Ensuring **operational efficiency and enhanced conservation of available resources** with a great **customer focus** are **the mantras for success** in any business. Along with efficiency and profitability, **safety is of paramount importance in hydrocarbon industry** because of the hazardous nature of the products being handled. Today India has a large network (~23,000+ Km) of cross-country pipelines being operated by various players with a consumption of ~ 185 MMSCMD of natural gas. Additional 10,000+ Km of pipelines is under construction. Many of such pipelines have grown old and therefore, integrity management of such assets is critically important.

On the other hand, CGD network is relatively new with 6,000+ CNG stations, more than 119 Lac PNG connections, more than 39,000 commercial consumers and about 17,500+ industrial consumers. With the completion of round 12 and 12-A of CGD bidding, PNGRB has given authorization to various entities covering the entire country (except the islands).

While project execution in the new areas is very important, it is equally - or rather, more important to ensure safe, reliable and uninterrupted operations of our existing assets, particularly in view of involvement of public.



A specialized workforce with a high quantum of knowledge and skills is the lifeblood and intrinsic to the operations of any organization. More so, in Hydrocarbon sector. Therefore, **capacity building and capability building are critical to organizational success**. This will be possible only when we aim at **innovation, creativity and exchange of knowledge and experience within the industry**. In this context, it is important to pay attention to the aspects like benchmarking, vendor development and standardization, etc, with the overall objective of continual improvement.

Guided by this philosophy, Natural Gas Society (NGS) has been organizing various conferences/conclaves/seminars on O&M, Construction and Safety related activities in the area of NG Transmission Pipelines and CGD Networks so as to enable sharing the practical experience and practical ideas.

Accordingly a new initiative has been conceptualized and launched to take the above idea forward for implementation.

The FIRST “ज्ञानानुभव-प्रवाह सहयात्रा” [Gyanaanubhav Prawaah Sahayatra – (GPS)] was launched at Mahanagar Gas Ltd. (MGL), Mumbai on March 24, 2023.

Nomenclature :

The title of the initiative is: “ज्ञानानुभव-प्रवाह सहयात्रा” [Gyanaanubhav Prawwah Sahayatra – (GPS)]. [सहयात्रा = Journey together (to); प्रवाह = Flow (of); ज्ञानानुभव = (ज्ञान + अनुभव) = Knowledge and Experience].

Role of NGS:

NGS will act as the coordinator between the participating companies and the host company .
NGS will depute two officers (02) to co ordinate the following activities.

- 1) Finalizing the Topic/Theme of the visit
- 2) Finalizing the name of the Host company.
- 3) Finalizing the dates and itinerary of the visit .
- 4) Finalizing the list of the delegates/participating officers from various companies.
- 5) Finalizing the format, duration of presentation and details of site visit in consultation with the host company.



Responsibilities of the Host NG Transmission/CGD company:

- 1) Arranging the presentation material and space.
- 2) Providing tea, lunch & snacks for the participating representatives/delegates
- 3) Arranging logistics (transport arrangement etc for the site visit to control room, installations etc.

Responsibilities of individual NG Transmission/CGD companies:

- 1) Forward the names of Two (02) or MORE representatives/delegates to NGS.
- 2) Lodging and boarding expenses of their participating officers has to be borne by individual company. However the help of the host company may be taken, if necessary.
- 3) Travel and local transport arrangement (from Airport/Railway station to Hotel and from hotel to Venue of meeting/presentation and back) is to be made by the delegates on their own.

Level of Visiting Officials from various CGD companies:

- a) HODs of Projects/Operations / Maintenance/Marketing & allied functions
OR
- b) Middle level Managers, leading departments like Elect/ Mech/ Inst/ Telecom/ Telemetry/ Pipeline/ Cathodic Protection /HSE /Integrity management / Operations/Marketing & allied functions.

Topics/Themes on which the visits under GPS will be focused:

- 1) Metering and gas reconciliation
- 2) Cathodic Protection
- 3) Pipeline
- 4) Control Room operations
- 5) HSE
- 6) CNG/PNG installation, operation and maintenance practices
- 7) Integrity management /GIS mapping and its use
- 8) Training to Company and contract employees
- 9) Development and adoption of new technologies/facilities such as LNG Storage & Dispensing
- 10) Standardization, wherever possible.



Format of the GPS (industry visit):

- 1) Technical presentation on the practices, records and its analysis being carried out by the host company on the subject matter/theme.
- 2) Visit to control room to witness the operations and monitoring of Performance.
- 3) Visit to CNG station/relevant installation
- 4) Visit to DRS/Pipeline Installation/ LNG storage and processing etc

Financial Implication of the visit:

The following expenditure of NGS has to be borne by the member companies:

- 1) Travel expenses of two officers of NGS (To and Fro Air ticket, local travel/taxi expenses)
- 2) Lodging and boarding expense of two officers of NGS accompanying the team of visiting officers.
- 3) 20% of 1) and 2) above as the overhead expenditure of NGS

Expected outcome/ benefits of “ज्ञानानुभव प्रवाह सहायत्रा” [Gyanaanubhav Prawnah Sahayatra – (GPS)]:

Some of the benefits which can be expected from GPS are:

- (1) Improving the diagnostic capabilities
 - (2) Avoiding the problems already encountered and
 - (3) Combating the same in an efficient, safe and cost effective manner should they recur
 - (4) Providing stimulus to innovative thinking and accordingly going for improvisations and modifications
 - (5) Adopting the latest technology and techniques based on thorough scientific and cost benefit analysis
 - (6) Ensuring high levels of equipment availability and minimizing the downtime
 - (7) Minimizing the consumption of Spares
 - (8) Conservation of energy and environment, and
 - (9) Providing feedback based on actual experience in order to improve the design and so on; so as to achieve the objectives of safe, efficient, reliable and uninterrupted operations.
 - 10) Standardization, wherever possible.
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