

Gas Distribution Network in Umargam Taluka of Valsad GA (Krishna Industrial Park (Tiny Girl) Connectivity & Papro Industries Connectivity): Diversion of 0.0020 Hectare of Protected Forest land i.e. road side strip plantation declared as protected forest for laying 90 mm dia MDPE natural gas pipeline to supply natural gas to various en-route villages in Taluka Umargam of District Valsad

DETAILED NOTE ON THE PROJECT

INTRODUCTION:-

Gujarat Gas Limited (GUJARAT GAS), having the registered office of the company situated in the State of Gujarat at Gujarat Gas CNG Station, Sector – 5/C, Gandhinagar – 382 006.

Gujarat Gas Limited (GUJARAT GAS) is currently in the business to setup Piped Natural Gas network (PNG) to provide PNG for residential consumers as well as commercial units and CNG Station in various cities of Gujarat State.

Gujarat Gas Limited is planning to lay 90 mm dia MDPE pipeline to supply natural gas to proposed CNG station in Valsad District areas to provide natural gas to enroute industries/ consumers in Valsad District, Gujarat State.

As a part of Gujarat Gas project approximately 1.45 Km long 90/160 mm dia MDPE pipeline in Valsad District & Surrounding Area Gas Distribution Network (Krishna Industrial Park (Tiny Girl) Connectivity & Papro Industries Connectivity) is required to be laid in Taluka Umargam of Valsad District, Gujarat State. It will be laid underground with a minimum clear cover of 1.2 meter.

One of the main objects to be pursued by the company on its incorporation is to lay, design, construct, fabricate, install and maintain gas process and gas manufacturing plants, gas installation including gas storage, machinery apparatus, pipes, valves fillings, meters and other allied accessories necessary and useful for the manufacturer, supply and destination of gas and energy.

Investigation: -

The route has been carefully selected to minimize total length of the pipeline and forests based on desktop study and reconnaissance survey carried out by consultants M/s. Secon Pvt. Ltd.

The Right of Use (RoU) for forest area is proposed as a minimum of 0.5 mts. width (which is the minimum requirement).

The alignment is selected in such a way that while crossing the area under forest cutting of trees is minimized / avoided.

Design:-

The entire pipeline will be designed to withstand a Maximum Allowable Operating Pressure (MAOP) of 4 and 49 barg by MDPE pipeline respectively. The design code that generally will be followed would be AMSEB31.8 and PNGRB Technical standard for CGD.

Pipe material: -

Pipe material would be Indian standard grade MDPE material, inspected at factory through third party inspection agency. All valves would be full-bore ball. All pipe fittings would be matching type and class.



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Corrosion protection: -

The proposed pipeline is MDPE pipeline and it is not the steel pipeline. Therefore; MDPE pipe do not require cathodic / corrosion protection system.

Investments:-

The estimated total cost of the project is Rs. 05 lacs (Approx.)

Time Schedule:

The completion schedule for this project is 2019-2020

For, Gujarat Gas Ltd.



Anish Parikh
Dy. Manager (ROU)