

Gas Distribution Network in Rajkot & Paddhari Taluka Surrounding Area in Rajkot District (Ghanteshwar CNG to Jamnagar Road PE Connectivity & Pixon Green Energy Pvt Ltd Connectivity) – Diversion of 0.9900 Hect. of Protected Forest land i.e road side strip plantation declared as protected forest for laying of 125/90 mm dia PE natural gas pipeline for supply natural gas to various en-route village/ industries situated in Rajkot & Paddhari Taluka Surrounding Area in District Rajkot, Gujarat State – Pipeline laying parallel to State Highway-25 (Rajkot-Jamnagar-Vadinar Road) declared as Protected Forest

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 (GGL) is in process to set gas distribution network in entire Rajkot District. As a part of project we are planning to supply natural gas to Rajkot & Paddhari Taluka surrounding areas for domestic & commercial use only. The take off point of Ghanteshwar CNG to Jamnagar Road PE Connectivity in both side are from GGL existing pipeline near Village Ghanteshwar to Village Targhadi in Taluka/District Rajkot. The diameter of proposed pipeline will be of **125 mm dia PE**.

Further we have planned to lay the pipeline to connect Pixon Green Energy Pvt Ltd. Situated along SH-25 from our existing PE pipeline network near village Depaliya in Taluka Paddhari, District Rajkot. The diameter of proposed pipeline will be of **90 mm dia PE**. The proposed pipeline will be laid in the space available alongside the roads at a depth of at least 1.2 meter below the finished ground level. Company shall follow all the best standards of safety as prevailing in Gas distribution industries.

The proposed pipeline shall be laid in the space available along side of the existing ROW of State Highway at a depth of 1.2 meter below the lowest ground level and width of trench will be 0.5 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.



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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.

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. 1 Crore (Approx.)

Time Schedule:

The completion schedule for this project is 2020-2021

For, Gujarat Gas Ltd.


Kirit Kabira
Sr. Officer (PR& RoU)

