

**GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA**

UNSTARRED QUESTION NO:554
ANSWERED ON:04.12.2003
PIPELINE TECHNOLOGY PURCHASED BY GAIL
UMMAREDDY VENKATESWARLU

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether GAIL has purchased new pipeline technology called `Longitudinally submerged arc welded` (LSAW) technology;
- (b) if so, the details of this technology;
- (c) the specific advantages of this technology;
- (d) the expected use of this LSAW technology; and
- (e) the additional cost of this technology; and cost-benefit studies done?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SHRIMATI SUMITRA MAHAJAN)

- (a): No, Sir. However, GAIL is using pipelines manufactured by this technology since its inception i.e. for almost 17 years.
- (b): The Longitudinally Submerged Arc Welded (LSAW) is a technology used internationally by most of the pipe manufacturers to produce pipes used in the transportation of high pressure hydrocarbons. This is achieved by forming of Plates into `U` or `O` shape and welding the seam through longitudinally.
- (c): These pipes are safer for high pressure gas transportation application. Also, the LSAW pipes are less prone to corrosion resulting in longer life, and are less prone to failure at welded seam.
- (d): LSAW pipes are used for manufacturing of line pipe for transporting gas, liquid hydrocarbons and allied fluids.
- (e): Cost of pipe will depend on various factors like raw material cost, demand/supply conditions etc. prevailing at the time of procurement.