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Annexure-10

Justification for locating the project in forest area**(Certificate regarding alternatives examined for linear project)**

Certified that following alternatives detailed as below and also shown in enclosed map on page No. _____ have been examined in detailed and have come to conclusion that the alternatives No. 1 is the most suitable for forestry point of view and the Forest land required for the project in Alternative No. 1 is lesser than the Alternatives Nos. 2 & 3.

Alternatives route explored for Srikakulam - Angul Pipeline (SAPL) Project of GAIL (INDIA) LIMITED in Odisha State					
Description	Status of land	Length in meter	Width in meter	Area in Sqm.	Area in Ha.
Alternate-1	Forest	6148.70	10	61487.0	6.1487
Total		6148.70		61487.0	6.1487
Alternate-2	Forest	164694.57	10	1646945.7	164.6946
Total		164694.57		1646945.7	164.69457
Alternate-3	Forest	171998.93	10	1719989.3	171.9989
Total		171998.93		1719989.3	171.9989

The other alternatives (Alternative-2 & Alternative-3) are being rejected on grounds of as follows:-

1. Alternative 2 & 3 involves more forest area 164.69 and 171.99 hectares respectively to be diverted which is more than the alternative-1.

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2. In Alternative-2 the pipeline will be in close proximity to the sensitive sanctuary area.
3. In Alternative-3 the pipeline crosses wildlife sanctuary. Laying of natural gas pipeline in the sanctuary sensitive area is technically not feasible.
4. The terrain in Alternative Route-2 and 3 is hilly and rocky where laying of pipeline poses several construction challenges.
5. Alternative-2 passes near to the area where most of the lands are non-agriculture land and pipeline cannot be laid in NA lands as per P&MP Act 1962.
6. Though the overall length (Forest area and Non-forest area) of the pipeline is more in Alternative-2 & 3 which increases the project cost.
7. Number of Highway crossing in Alternative route-3 is more (3 nos.) in comparison to alternative -1 and 2.
8. Number of turning points (TPs) in Alternative 2 and 3 are more than need bends etc. which will add-on to the cost of the project.

Looking into the above, it is imperative for SAPL natural gas pipeline passing in Odisha in Alternative-1 is more apt technically and safety in comparison to the other two alternatives viz., Alternative-2 and Alternative-3.

Date:

Place: Bhubaneswar

M/s GAIL (India) Limited

V. Santa Kumar

V. Santa Kumar

Dy. General Manager (Const.)

Vim
Divisional Forest Officer
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