

Sub: Justification for locating the project in forest land and details of alternates examined

Introduction

Indian Oil Corporation Limited (pipelines Division), a Government of India Undertaking intends to extend LPG pipeline under Augmentation of Paradip-Haldia-Durgapur LPG Pipeline from Durgapur in the state of West Bengal to Giddha in Bhojpur district via Bhagalpur-Barauni-Patna (with branch pipeline from Barauni to Muzaffarpur) covering approximately 620 Km.

Justification

Based on the reconnaissance and detailed route surveys the final route of the Augmentation of Paradip-Haldia-Durgapur LPG Pipeline is being established in the state of West Bengal with stretch of 59.360 Km.

Before selecting the final pipeline route through forest land, three possible alternatives were examined keeping the pipeline stretch straight which would be ideal for route selection at **Tikarbata Mouza, Tehsil-Illambazar, Dist- Birbhum** of West Bengal State falling under Birbhum Forest Division.

Alternate Route -1: marked in Green colour.

Alternate Route - 2: marked in Yellow colour.

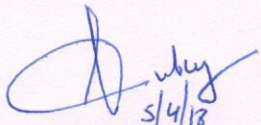
Alternate Route - 3: marked in Blue colour.

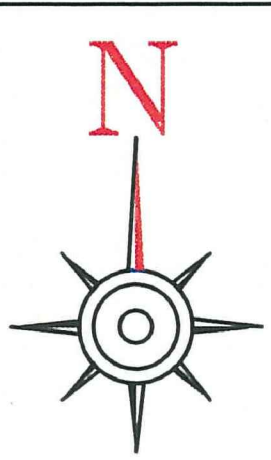
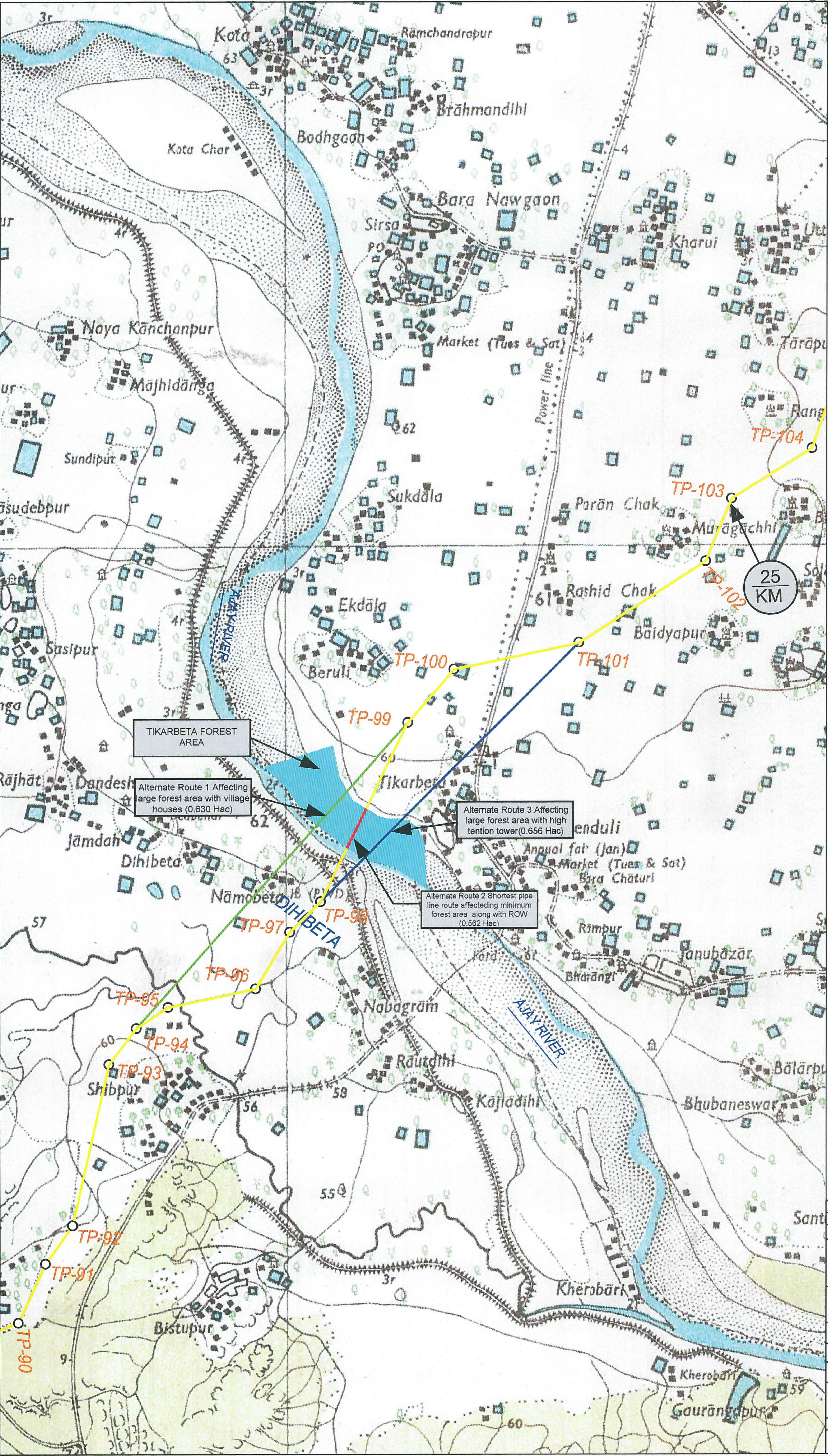
The alternate routes marked over SOI toposheet is attached herewith.

Alternate-2 is recommended for selection because of the following:

- The alternate routes 1, 2 & 3 are marked in Green, Yellow & Blue colour respectively and the area of the encountered forest lands for these routes is 0.630 Ha, 0.562 Ha & 0.656 Ha.
- From the drawing it is evident that if Alternate 1 or Alternate 3 path is followed the alignment of the pipeline will be straight however the forest area encountered becomes more. Hence the route for which minimum forest area is encountered [Yellow coloured path]; i.e 0.562 Ha, is selected as final route.

The entire forest land (0.562 ha) for which diversion is requested is located at the bank of Ajoy river; **Plot No 2403 & 2340 at Tikarbata Mouza JL No.62, Tehsil-Illambazar, Dist- Birbhum** of West Bengal State falling under Birbhum Forest Division.


(S Dubey)
CCM, Durgapur



CONVENTIONAL SYMBOLS	
Express highway; with toll; with bridge; with distance stone	
Roads, metalled; according to importance	
Roads, double carriageway; according to importance	
Unmetalled road; Cart-track; Pack-track with pass; Foot-path	
Streams; with track in bed; undefined; Canal	
Dams; masonry or rock-filled; earthwork; Weir	
River; dry with water channel; with island & rocks; Tidal river	
Submerged rocks; Shoal; Swamps; Reeds	
Wells; lined; unlined; Tube-well; Spring; Tanks; perennial; dry	
Embankments; road or rail; tank; Broken ground	
Railways; broad gauge; double; single with station; under constr.	
Railways; other gauges; double; single with distance stone; do	
Mineral line or railway; Kilo; Cutting with tunnel	
Contours with sub-features; Rocky slopes; Cliffs	
Sand features: (Flat) (Shaded) (Hills) (permanent) (Shifting)	
Towns or Villages; inhabited; deserted; Fort	
Huts; permanent; temporary; Tower; Antennae	
Temples; Chhatris; Charan; Mosque; Idgah; Tomb; Graves	
Lighthouses; Lightships; Boats; lights; unlighted; Anchorage	
Mine; Vine on trellis; Grass; Scrub	
Palms; palms; other; Plantain; Conifer; Bamboo; Other trees	
Areas; cultivated; wooded; Surveyed tree	
Boundary; International	
States; demarcated; undemarcated	
district; subdivision; taluk or taluk; forest	
Pillars; surveyed; uncoloured; village junction	
Height; triangulated; stations; points; approximate	
Bench-mark; geodetic; tertiary; canal	
Post office; Telegraph office; Overhead tank	
Rest house or inspection bungalow; Circuit house; Police station	
Camping ground; Forest; reserved; protected	
Spaced names; administrative; locality or tribal	
Hospital; Dispensary; Veterinary hospital	
Aerodrome; Helipad; Tourist site	
Power line; with pylons surveyed; with poles unsurveyed	
Metrol Railways with station; under constr.	
Alternate Proposed Pipeline Route 1	
Alternate Proposed Pipeline Route 2	
Alternate Proposed Pipeline Route3	
Alternate Proposed Pipeline Route2 (Through Forest Area)	
Forest Land	

0	2016	ISSUED FOR CLIENT REVIEW			
NO	DATE	REVISION		BY	CHKD
CLIENT		INDIAN OIL CORPORATION LIMITED Noida			
PROJECT		PARADIP-HALDIA-DURGAPUR LPG PIPELINE & ITS EXTENSION UP TO PATNA AND MUZAFFARPUR			
TITLE		PROPOSAL FOR DIVERSION OF FOREST LAND FOR PHDPL-AUG PROJECT (PROPOSED ROUTE) HAVING AREA-0.562 HA			
SECTION		Plot No-2403 & 2340 Tikarbata-Mouza, JL NO-62, Tahsil-Illambazar, Dist- Bhubaneswar			
JOB No.		24552510			
SURVEY AGENCY		WAPCOS LIMITED 78-C, INSTITUTIONAL AREA, SECTOR-18, GURGAON HARYANA-122015			
SCALE	SHEET NO.	DWG. No.		REV.	
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