



LEGEND

Towns or Villages: inhabited, deserted, Fort.	
Huts: permanent, temporary, Tower, Antiquities.	
Temple, Chhatra, Church, Mosque, Idgah, Tomb, Graves.	
Lighthouse, Lightship, Buoy, Lighted, unlighted, Anchorage.	
Mine, Vine, on tralls, Grass, Scrub.	
Palms: palm, other; Plants: Conifer, Bamboo, Other trees.	
Boundary, international	
state: demarcated, undemarcated	
district: subdiv, tahsil or taluk; forest	
Boundary pillars: surveyed, unlocated, village trijunction.	
Height: triangulated, station, point, approximate.	
Bench-mark: geodetic, tertiary, canal.	
Post office, Telegraph office, Combined office, Police station, PD, TO, PTO, PS.	
Bungalows: dsk or travellers, inspection, Rest-house.	
Circuit house, Camping ground, Forest: reserved, protected, CF, CC, RF, FF.	
Spaced names: administrative, locality or tribal.	
KIKRI	
NAGA	
Roads metalled: according to importance, distance stone.	
unmetalled: do.	
do. bridge	
Cart-track, Pack-track and pass, Footpath with bridge.	
Bridges: with piers, without, Causeway, Ford or Ferry.	
Streams: with track in bed, undefined, Canal.	
Dams: masonry or rock-filled, earthwork, Weir.	
River banks: shelving, steep, 3 to 6 metres, over 6 metres.	
dry with water channel, with island & rocks, Tidal river.	
Submerged rocks, Shoal, Swamp, 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 construction.	
other gauges: do., do. with distance stone.	
Mineral Line or tramway, Telegraph line, Cutting with tunnel.	
Contours with sub-features: Rocky slopes, Cliffs.	
Sand features: rock, flux, sand hills and dunes, barbed, Clouting, dunes.	

INDEX

SR.NO.	DESCRIPTION	ROUTE COLOR
1	PROPOSED GAIL SV 19A HARHAD TO ARIHANT FEULS GAS PIPELINE	
2	FOREST ROUTE GAIL SV 19A HARHAD TO ARIHANT FEULS GAS PIPELINE	

SUBMITTED BY / DATE
M/s. Prasad Surveyors

APPROVED BY / DATE
VCS

NO.	DATE	REVISION	BY	CHKD	APPD	PROJ ENGR

CHETAN KUMAR MISHRA
TERRITORY MANAGER (GAS), JHARKHAND 1
BHARAT PETROLEUM CORPORATION LIMITED
1ST FLOOR, BSNL EXCHANGE OFFICE CAMPUS
CHATRA, JHARKHAND-825401

BHARAT GAS RESOURCES LIMITED
(Wholly Owned Subsidiary of Bharat Petroleum Corporation Ltd.)
Bharat Bhavan, 4 & 6, Currimbhoy Road, Ballard Estate, Mumbai - 400 001

VCS Quality Services Pvt. Ltd.(PMC)
Unit No. 707 & 708, Tower-1 Plot No. 22, Assotech
Business Cresterra, Sector-135, Noida -201301.

PROJECT: DEVELOPMENT OF CITY GAS DISTRIBUTION PIPELINE NETWORK AT CHATRA&PALAMU GA.

PRASAD SURVEYORS
Flat no.-1, Mudgal Nivas, Near Devdhar Hospital, Pimpri, Pune-411017.
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TITLE: GAIL SV 19A STATION, HARHAD VILLAGE CHATRA TO ARIHANT FUELS BAHABNE, CHATRA TOWN GAS PIPE LINE

SCALE	DRAWING NO.	SHEET NO.	REV.
1:50,000	PS/BGR/LC/D/CHATRA GA/GRF-01	01 OF 1	0