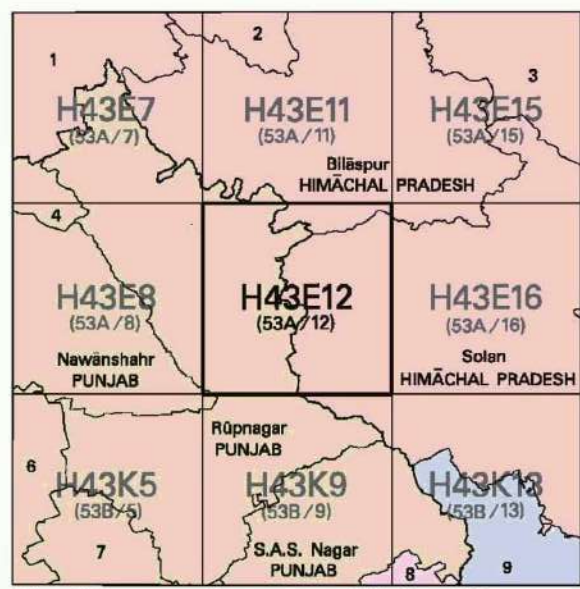




No. H43E12

Scale 1:50,000



1 Una, H.P.
2 Hamirpur, H.P.
3 Mandi, H.P.
4 Hoshiarpur, PUNJAB.
5 Shimla, H.P.
6 Ludhiana, PUNJAB.
7 Fatehgarh Sahib, PUNJAB.
8 Chandigarh, U.T.
9 Panchkula, HARYANA.

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CONVENTIONAL SYMBOLS



S.Ch:0.00m	E.Ch:15.00m	Pipeline Chainage
		Protected Forest Area

REFERENCE

NH 214 National Highway No. 214
Gur Gurdwara

NOTES :-

Contours are approximate.
Heights are in metres and above Indian mean sea level.
Cultivation is periodic and dependent on rainfall.
Unsettled roads in this sheet are generally not visible in dry season.
Tanks shown dry, in this area usually contain water from July to January.
A relative height, as represented by the approximate height, in metres, between the top and bottom of a steep slope.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribbed.

COMPILED INDEX

A. Compiled from 1:25,000 scale survey, carried out during 1965-86.
Updated for major details during 2004-05.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1 1/2° East in 2005.
(Increasing by about 1° annually).

1:50,000



Director
Himachal Pradesh Geo-Spatial Data Centre
Survey of India, Sector 32 A
Chandigarh.

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REG. No. P.D.F-WPS D to (P) GOC-150,000

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Department of Science & Technology, Government of India.

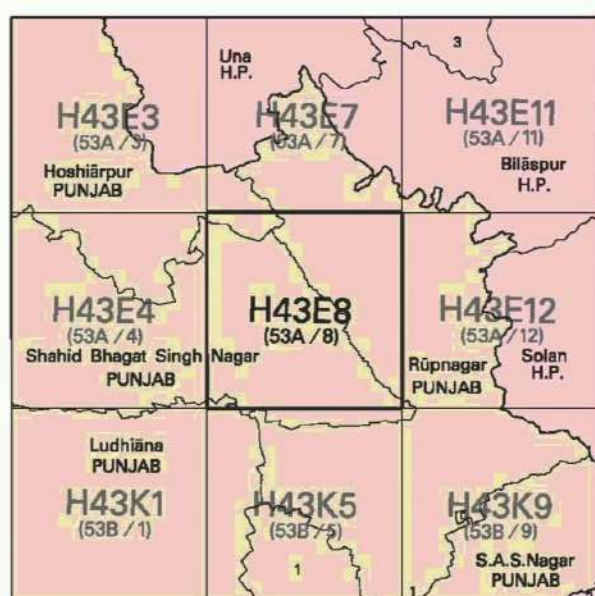
For Bharat Petroleum Corporation Limited



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No. H43E8

Scale 1:50,000



1 Fatehgarh Sahib, PUNJAB.
2 Chandigarh, U.T.
3 Hemirpur, HIMACHAL PRADESH.

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CONVENTIONAL SYMBOLS

Express highway, with toll; with bridge, with distance stone			
Roads, metalled, according to importance			
Roads, double cartway, according to importance			
Unmetalled road, Cart-track, Pack-track with pass, Foot-path			
Streams, with track in bed, underflow, Canal			
Dams: masonry or rock-filled, earthwork, Well			
River: 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 control			
Railways, other gauges: double, single with distance stone; do			
Mineral line or tramway, Kln. Cutting with tunnel			
Contours with sub-features, Rocky slopes, Cliffs			
Sand features: (Millet/2)stead-hills (permanent), (3)downwash(hills)			
Towns or Villages: inhabited, deserted, Fort			
Huts: permanent, temporary, Tower, Antiquities			
Temples, Chhatra, Church, Mosque, Igahri, Tomb, Graves			
Lighthouse, Lightship, Buoy: lighted, unlighted, Anchorage			
Mine, Vine on trails, 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			
Boundary pillars: surveyed; unlocated; village junction			
Height, triangulated; station; point; approximates			
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			
Speed names: administrative, locality or tribal			
Hospital, Dispensary, Veterinary: Hospital / Dispensary			
Aerodrome, Helipad, Tourist site			

LEGEND:

S.Ch.0.00m	E.Ch.15.00m	Pipeline Chainage
		Protected Forest Area

REFERENCE

NR NORTHERN RAILWAY

NOTES :-
Heights are in metres and above Indian mean sea level.
Contours are approximate.
Tides shown dry, in this area usually contain water from July to December.
The cart-track along Bist Dola canal is usually motorable. Permission to use it is required from the irrigation authorities. Other cart-tracks are generally motorable in dry season.
A relative height, Δ , represents the approximate height, in metres, between the top and bottom of a steep slope.
A relative height e.g., Δ , marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.
Distance shown along Bist Dola Canal & protective embankments along Satluj River are 1,000 feet apart and every existing firm stone is shown.
The area adjoining Satluj River is liable to change owing to continual fluctuation in the course of the river. Triangulated heights and contours in this sheet have not been adjusted to the heights of the spit levelled bench-marks and may not be safely in accordance with them.
The boundaries of Kishanpur P.F. and Bilawal Sankari P.F. in sq. Nos. C2,3,4, D2,3,4,5 and E4,5 have not been shown for want of reliable information.
3,000-acre rectangulation stones of Bhakra Dam Project Survey based on Origin 30' 00" N. 75' 15" E with their numbers are shown as tertiary bench-marks thus..... Δ 259, BM 275-7

COMPILATION INDEX

- A. Compiled from 1:20,000 survey, 1978-79.
- B. Compiled from 1:20,000 survey, 1980-82.
- C. Compiled from 1:20,000 survey, 1981-83.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $1\frac{1}{4}$ East in 2005.

(Increasing by about $1'$ annually)

1:50,000

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

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Chandigarh.
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Department of Science & Technology, Government of India.

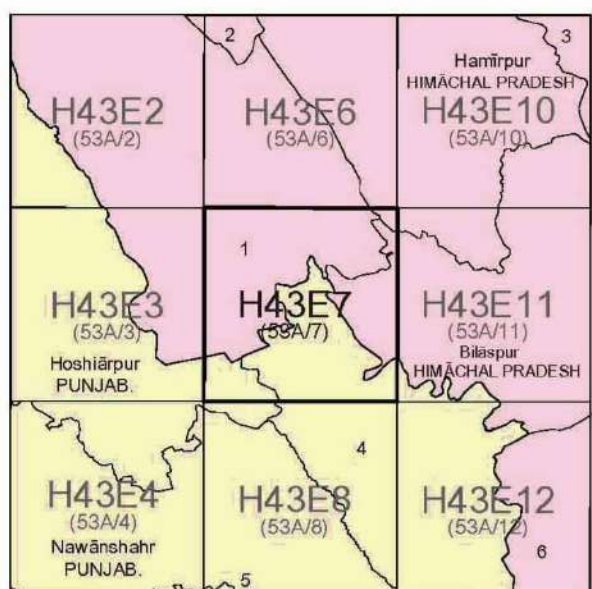
For Bharat Petroleum Corporation Limited



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Territory Manager (Gas)
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Email: barmati@bharatpetroleum.in

No. H43E7

Scale 1:50,000

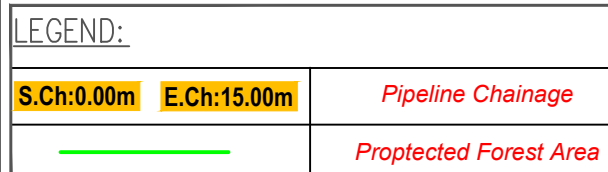


1 Una, HIMACHAL PRADESH. 2 Kangra, HIMACHAL PRADESH. 3 Mandi, HIMACHAL PRADESH. 4 Rupnagar, PUNJAB. 5 Ludhiana, PUNJAB. 6 Solan, HIMACHAL PRADESH.

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1st Edition 2011. Price : Rs. 70/-

CONVENTIONAL SYMBOLS



REFERENCE

SR 22 State Highway No. 22

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
All unmetalled roads in the sheet are usually motorable in dry season.
The areas adjoining Sadaj and Solan Rivers are liable to changes owing to continual fluctuation in the course of the rivers.
The exterior boundaries of areas of reserved or Protected Forests are shown by green ribbons.

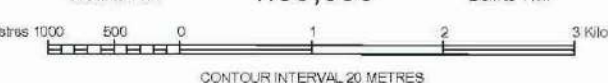
COMPILATION INDEX

A. Compiled from 1:25,000 scale survey carried out during 1982-83. Updated for major details during 2002-05.

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1:50,000



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