# Digital/SOI Toposheet Map of **Kutehr Hydro Electic Project(240MW)**

## M/S JSW Energy (Kutehr)Limited

**STATEMENT SHOWING DETAILS OF ALL THE PROJECT COMPONENT AREAS : 3.7904 HA (PROPOSED 400 KV TRANSMISSION LINE FROM KUTEHR POT HEAD YARD TO TOWER NO. 8 OF LAHAL - RAJERA LINE) + 3.1715 HA (OLD 220 KV TRANSMISSION LINE ALREADY DIVERTED AND TRANSFERRED TO HPPTCL) + 58.2368 HA (PROJECT CONSTRUCTION AREA ALREADY APPROVED AND DIVERTED) IN DISTRICT CHAMBA HIMACHAL PRADESH.**

निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. I43W7 & W11

Scale 1:50,000

Lāhul & Spiti HIMĀCHAL PRADESH: I43W2 (52D/2), I43W6 (52D/6), I43W10 (52D/10)

Chamba HIMĀCHAL PRADESH: I43W3 (52D/3), I43W7 (52D/7), I43W11 (52D/11)

Kāngra HIMĀCHAL PRADESH: I43W4 (52D/4), I43W8 (52D/8), I43W12 (52D/12)

1 Mandi, HIMĀCHAL PRADESH

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

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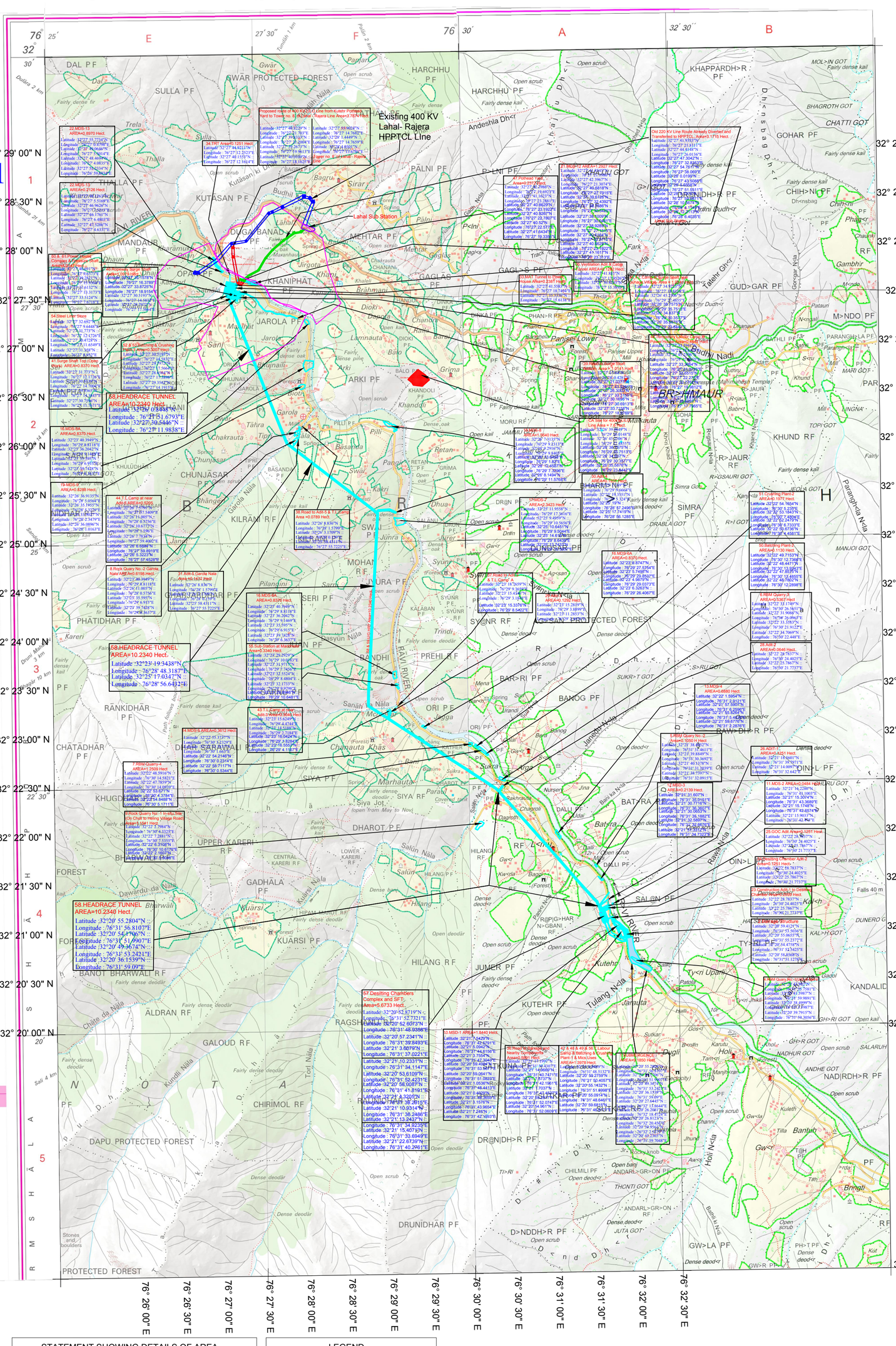


| Land Details | | |
|---|---|---|
| Check List No. | Description | Area (in Hec.) |
| 1 | Submergence | 9.185 |
| 2 | Barrage Structure | 0.9645 |
| 3 | Intake Structure & Feeder Tunnel | 0.1776 |
| 4 | RBM Quarry No. - 1 (U/S of Barrage) | |
| 5 | RBM Quarry No. - 2 (R/B of Ravi near Dalli) | 0.105 |
| 6 | RBM Quarry No. - 3 (Near Choli Bridge U/S) | 0.5367 |
| 7 | RBM Quarry No. - 4 (D/S of Choli Bridge) | 1.2509 |
| 8 | Rock Quarry No. - 2 Garola Nala (in- Situ) | 0.6198 |
| 9 | Rock Quarry No. - 1 In-situ site (On Choli to Heling Road) | 1.1541 |
| 10 | Muck Dumping Area No. - 1 (D/S of Barrage Axis at Kuther) | 1.844 |
| 11 | Muck Dumping Area No. - 2 (U/S of Dalli village at SFT outlet) | 0.0484 |
| 12 | Muck Dumping Area No. - 3 (U/S of Dalli village at SFT outlet) | 0.2139 |
| 13 | Muck Dumping Area No. - 4 (D/S of Dalli village) | 0.688 |
| 14 | Muck Dumping Area No. - 5 (D/S of Choli Bridge) | 0.3612 |
| 15 | Muck Dumping Area No. - 6 (U/S of village Machhater) | 0.234 |
| 16 | Muck Dumping Area No. - 6 A | 0.837 |
| 17 | Muck Dumping Area No. - 7 (D/S of village Jura near Adit-4) | 2.3423 |
| 18 | Muck Dumping Area No. - 8 (Between Pilli Substation & NHPC camp) | 1.564 |
| 19 | Muck Dumping Area No. - 9 (Near Garola Forest Rest House) | 0.8288 |
| 20 | Muck Dumping Area No. - 10 (D/S of Ulansa Road Diversion) | 3.5645 |
| 21 | Muck Dumping Area No. - 12 (Near MAT) | 1.2927 |
| 22 | Muck Dumping Area No. - 13 (D/S of TRT area) | 1.1096 |
| 23 | Desilting Chamber Adit - 1 | 0.2099 |
| 24 | Desilting Chamber Adit - 2 | 0.1251 |
| 25 | GOC Adit | 0.1251 |
| 26 | Adit - 1 | 0.1251 |
| 27 | SFT Potal | 0.0202 |
| 28 | Adit-2 Lamu | 0.0646 |
| 29 | Adit - 3 (Machhater Nala) | 0.1292 |
| 30 | Adit - 4 (D/S of Jura Village) | 0.1937 |
| 31 | Adit - 5 Garola Nala | 0.1412 |
| 32 | Surge Shaft bottom Adit - 6 | 0.2457 |
| 33 | MAT | 0.2381 |
| 34 | TRT | 0.1251 |
| 35 | Ventilation Adit | 0.1251 |
| 36 | Road to Barrage and Nearby Components | 0.5891 |
| 37 | Road to Adit - 3 & Labour Camp | 0.2058 |
| 38 | Road to Adit -5 and Labour Camp | 0.0789 |
| 39 | Road to Surge Shaft Bottom | 1.0141 |
| 40 | 1. Plateforms for Rope way Surge Shaft bottom platform 2. Surge Shaft Top plateform 3. Span for Rope way | 1.0979 |
| 41 | Surge Shaft Top (Open Work) | 0.2265 |
| 42 | Temporary Labour Camp at Barrage Site | 0.1977 |
| 43 | Temporary Labour Camp near Adit - 3 Machhater Nala | 0.3046 |
| 44 | Temporary Labour Camp near Adit - 5 (Garola Adit) | 0.5205 |
| 45 | Temporary Labour Camp at surge Shaft near Suhaga village | 0.0702 |
| 46 | Temporary Labour Camp at Power House | 0.4842 |
| 47 | Pothead Yard | 0.2372 |
| 48 | Bartching Plant - 1 | 0.113 |
| 49 | Crushing plant - 1 | 0.1977 |
| 50 | Batching Plant - 2 | 0.113 |
| 51 | Crushing plant-2 | 0.1977 |
| 52 | Batching Plant - 3 | 0.113 |
| 53 | Crushing Plant - 3 | 0.1977 |
| 54 | Steel Liner Store | 0.3225 |
| 55 | Substation at Machhater | 0.334 |
| 56 | Misc. Uses | 0.8894 |
| 57 | Desilting Chamber Complex & SFT | 5.6733 |
| 58 | HRT | 6.703 |
| 59 | HRT | 3.531 |
| 60 | Power House Complex & Pressure Shaft | 3.3697 |
| 61 | Power House Complex & Pressure Shaft (Below Private Land) | 0.665 |
| | **Total** | **58.2368** |

| Old 220 kV Transmission Line | | |
|---|---|---|
| Sr .No | Description | Area (Hec.) |
| 1 | Old 220 kV Line already diverted and transferred to HPPTCL | 3.1715 |

| Proposed 400 kV Transmission Line | | |
|---|---|---|
| Sr .No | Description | Area (Hec.) |
| 1 | Proposed route of 400 kV LILO Line from Pothead Yard to Tower No. 8 of Lahal-Rajera Line | 3.7904 |

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. 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 constrn
Railways,other gauges: double; single with distance stone; do,
Mineral line or tramway. Kiln. Cutting with tunnel
Contours with sub-features. Rocky slopes. Cliffs
Ice forms: (1)glacier, (2)moraine. (3)crevasses, (4)scree, (5)snow
Towns or Villages: inhabited; deserted. Fort
Huts: permanent; temporary. Tower. Antiquities
Temple. Chhatri. Church. Mosque. Idgāh. Tomb. Graves
Lighthouse. Lightship. Buoys: lighted; unlighted. Anchorage
Mine. Vine on trellis. Grass. Scrub
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
Areas: cultivated; wooded. Surveyed tree
Boundary, international
" state: demarcated; undemarcated
" district; subdivision; tahsil or tāluk; forest
Boundary pillars: surveyed; unlocated
Heights, triangulated: station; point; approximate. 200 .200 .200
Bench-mark: geodetic; tertiary; canal BM 63·3 .BM 63·3 .63
Post office. Telegraph office. Overhead tank.
Rest house or Inspection bungalow. Circuit house. Police station
Camping ground. Forest: reserved; protected CG RF PF
Spaced names: administrative; locality or tribal KIKRI NĀGA
Hospital. Dispensary. Veterinary: Hospital / Dispensary
Aerodrome. Helipad. Tourist site
Power line: with pylons surveyed; with poles unsurveyed

NOTES :–

Heights and contour have not been shown.
Gots are seasonal pasture lands of small extents.
Earth or gravel slide and Rock couloir are shown thus.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribands.
A relative height, .8r, represents the approximate height, in metres, between the top and bottom of a steep slope.
Glaciers are shown thus

COMPILATION INDEX

A. Compiled from 1:25,000 scale survey, carried out during 1985-86.

STATEMENT SHOWING DETAILS OF AREA

| | |
|---|---|
| | VILLAGE BOUNDARY |
| | LAND DETAIL AREA=58.2368 HECTARE- ALL PROJECT COMPONENT |
| | Old 220 kV Line Already Diverted and Transferred to HPPTCL |
| | Proposed route of 400 KV LILO Line from Kutehr Pothead Yard to Tower no. 8 of Lahal - Rajera Line HPPTCL |
| | Existing 400 kV Lahal - Rajera HPPTCL Line |
| | CA Site for 400kV LILO Line Area = 7.6 Hac. |

LEGEND

| Colors | Description |
|---|---|
| | Forest Land |
| | Grass,Srcub Waste Land |
| | Private Land |
| | Footpath /Road |
| | Ravi River & Nallah |
| | Bridge |
| | House,Hut & Mill |

2cm to 1km

SOI TOPOSHEET SCALE 1:50,000
SHEET NO.52 D/07 & D/11 (I43W7 & W11)

Range Forest Officer
Trehta Forest Range

Range Forest Officer
Swai (Garola)

Range Forest Officer
Bharmour Forest Range
Bharmour

Divisional Forest Officer
Bharmour Forest Division
Bharmour