

Documents required during submission of proposal for scheme approval- Laying of Pipeline (for Liquid Hydrocarbon)

The transport of petroleum by pipe lines is governed by statutory requirements as laid down in Part V of Chapter III under Petroleum Rules, 2002. The owner/operator should take help from the guidelines given below while approaching the Chief Controller of Explosives, Nagpur for approval of petroleum pipelines.

Covering letter addressed to CCE, Nagpur giving brief summary of the proposal duly signed by the authorised officer indicating his name & designation.

Scrutiny fee of Rs. 500/- in DD in favour of Chief Controller of Explosives, payable at Nagpur.

The guidelines & requirements of OISD-141 shall be followed and documents as enumerated should be enclosed.

1. Detailed Feasibility Report, Project Description.
2. Schematic diagram of systems envisaged in the proposal like tap off/dispatch station, location of sectionatising valves, intermediate pigging stations and receipt station. The drawing shall clearly indicate precise site details like survey number, name of Revenue Village/Taluka, District and State etc. of these stations.
3. Route map in colour in a state political/TOPO map/any other suitable map showing route of pipeline passing through various villages/towns of districts of concerned states of our country.
4. Route map shall indicate chainage, valve locations, RCP locations.
5. Dimensions of the pipeline (in metric system) indicating its length, Dia. and wall thickness should be shown in the drawings. (Corresponding figure in inches can be shown inside bracket).
6. Hydraulic gradient of entire route of the pipeline.
7. Summary list of crossings in entire pipeline with crossing length, type of crossing, method of crossing etc.
8. Typical crossing drawings.
9. EIA, RA, HAZOP Study Reports and action taken/proposed on the recommendations made in these reports.
10. MOE & F Clearance, if applicable. Any other statutory permission, if available.
11. Layout of originating, intermediate & terminating stations.

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12. P&IDs of originating, intermediate and terminating stations.
13. Notification under Section 6(1) of P.M.P Act 1962 regarding acquiring ROW or application for Notification under Section 3(1)/6(1).
14. Permission/consent from authority/bodies through whose land pipeline is passing, if not covered under Notification 3(1)/6(1).
15. Design basis, indicating code, calculation of minimum wall thickness considering design pressure including surge pressure justifying selection of pipe chosen adding corrosion allowance etc.
16. If SPUR line, exact location of tap off point & reference of P/L from which tap off is taken to be indicated in the proposal.
17. Methods of protection against corrosion with full details.
18. Filled in format as per Schedule-VII of MSIHC Rule, 1989 giving all necessary informations.
19. If sump tank is provided in intermediate scrapper stations and capacity of sump tank is less than 1 KL, writeup to be given regarding procedure proposed to be followed for evacuation of drained product. In case of sump tank capacity is more than 1 kl and a separate licence in Form-XV under Petroleum Rules, 2004 is required to be obtained.
20. All the documents are required to be submitted alongwith the application in four sets.

Documents required during commissioning (As Built)-Pipeline Commissioning (DRAFT)

- 1) Covering letter to CCE, Nagpur requesting for grant of permission for commissioning. No scrutiny fee is required at the time of commissioning permission application.
- 2) "As Built" Route map in colour (except red, green & yellow). Existing pipelines should be shown in different colour.
- 3) "As Built" Profile map in colour.
- 4) Crossing drawing typical, HDD crossing drawing in specific.
- 5) Originating & terminating, intermediate station layout (As Built).
- 6) "As Built" P&Ids for all the above locations.
- 7) If Pipeline terminates in Refinery/Mktg. installation and has sump tank & transmix/surge tanks in control of Pipeline Division, separate license in Form XV for storage shall be applied by the operating company/owner of the pipeline.
- 8) Hydro test report-24 Hr. Hold Pressure and temperature chart in colour to be submitted.
- 9) Summary sheet of sections indicating starting chainage, end chainage, total length & G.T. of as built should be placed in front page of test report.
- 10) Dimensions of pipeline and pressure readings to be shown in metric system. Corresponding dimensions/pressure readings in inch, kg/cm² can be shown inside bracket.
- 11) Chainage in Km & decimal place up to minimum of 3 digits to be mentioned against each section subjected to hydro test.
- 12) Chainage of different sections subjected for hydro test to be serially placed. Chainage of preceding & succeeding section should exactly match.
- 13) Air volume calculation, hydro test evaluation, acceptance test of each section to be clearly prepared without any cutting over writing etc.
- 14) Total unaccountable pressure loss during 24 Hr. hold period should not be more than 0.3 bar in any case as per code. If drop is more, reasons to be specifically mentioned in the report and
- 15) Acceptance of test to be indicated with signature.

Other documents during commissioning permission

- 16) Copy of 6(1) Notification, if not submitted alongwith proposal.
- 17) Copy of DMP/DIA.RA. Compliance report of recommendations of EIA RA to be submitted.
- 18) 50%, 75%, Thermal stabilization calculations and readings.
- 19) De pressurization report & chart in colour.
- 20) Any other specific document as advised during according approval has to be submitted.
- 21) All the above documents in four sets to be submitted.
- 22) Post Commissioning Internal Audit Report & SOPs developed for pipeline in question.

Documents required during submission of proposal for scheme approval- Laying of Pipeline (for Natural Gas/CNG)

The transport of Hazardous Chemicals & Compressed flammable gases by pipe lines is governed by statutory requirements as laid down in Rule 3, 5 & 7 of Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 framed under Environmental (Protection) 1986. The owner/operator of the pipeline should take help from the guidelines given below while approaching the Chief Controller of Explosives, Nagpur for approval of such pipelines. It is further clarified that a pipeline conveying any flammable gas at a pressure exceeding 8 (eight) bars will only be approved by Chief Controller of Explosives.

Covering letter addressed to CCE, Nagpur giving **Brief Summery** of the proposal duly signed by the authorised officer indicating his name & designation.

Scrutiny fee of Rs. 500/- in DD in favour of Chief Controller of Explosives, payable at Nagpur.

The guidelines & requirements of OISD-226 shall be followed and documents and documents as enumerated should be enclosed.

1. Detailed Feasibility Report, Project Description.
2. Schematic diagram of systems envisaged in the proposal like tap off/dispatch station, location of sectionatising valves, intermediate pigging stations and receipt station. The drawing shall clearly indicate precise site details like survey number, name of Revenue Village/Taluka, District and State etc. of these stations.
3. Route map in colour in a state political/TOPO map/any other suitable map showing route of pipeline passing through various village/towns of districts of concerned states of our country.
4. Route map shall indicate chainage, isolation valve locations.
5. Dimensions of the pipeline (in metric system) indicating its length, Dia. and wall thickness should be shown in the drawings. (Corresponding figure in inches can be shown inside bracket).
6. Summary list of crossings in entire pipeline with crossing length, type of crossing, method of crossing etc.
7. Typical crossing drawings for roads, railway lines, canal/water Reservoirs.
8. EIA, RA, HAZOP Study Reports and action taken/proposed on the recommendations made in these reports.
9. MOE & F Clearance, if applicable. Any other statutory permission, if available.
10. Layout of originating, intermediate & terminating stations of the proposed pipeline.

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11. P&IDs of originating, intermediate and terminating stations.
12. Notification under Section 6(1) of P.M.P Act 1962 regarding acquiring ROW or application for Notification under Section 3(1)/6(1).
13. Permission/consent from authority/bodies through whose land pipeline is passing, if not covered under Notification 3(1)/6(1).
14. Design basis, indicating code, calculation of minimum wall thickness considering design pressure including surge pressure justifying selection of pipe chosen adding corrosion allowance etc.
15. If SPUR line, exact location of tap off point & reference of pipeline (already approved by CCE) from which tap off is taken, to be indicated in the proposal.
16. Methods of protection against corrosion with full details.
17. Filled in format as per Schedule-VII of MSIHC Rule, 1989 giving all necessary informations.
18. All the documents are required to be submitted alongwith the application in two sets.

Documents required during submission of proposal for scheme approval- of Laying of Cross Country Pipeline (for LPG)

The transport of Hazardous Chemicals & Compressed flammable gases by pipe lines is governed by statutory requirements as laid down in Rule 3, 5 & 7 of Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 (MSIHC Rules) framed under Environmental (Protection) 1986. The owner/operator of the pipeline should take help from the guidelines given below while approaching the Chief Controller of Explosives, Nagpur for approval of such pipelines. It is further clarified that a pipeline conveying any flammable gas at a pressure exceeding 8 (eight) bars will only be approved by Chief Controller of Explosives.

Covering letter addressed to CCE, Nagpur giving **Brief Summery** of the proposal duly signed by the authorised officer indicating his name & designation.

Scrutiny fee of Rs. 500/- in DD in favour of Chief Controller of Explosives, payable at Nagpur.

The guidelines & requirements of OISD-214 shall be followed and documents and documents as enumerated should be enclosed.

1. Detailed Feasibility Report, Project Description.
2. Schematic diagram of the pipeline in the proposal showing total length of pipeline, sections falling under different locational class tap off/dispatch station, location of sectionatising valves, Intermediate pigging/pumping stations and receipt station. The drawing shall clearly indicate precise site details like survey number, name of Revenue Village/Taluka, District and State etc. of all these stations/locations.
3. Route map in colour in a state political/TOPO map/any other suitable map showing route of pipeline passing through various villages/towns/districts of concerned states of our country.
4. Route map shall also indicate chainage, Turning Points (TPs)isolation valve locations, I.P. Stations, Future Tap off points etc..
5. Dimensions of the pipeline (in metric system) indicating its length, Dia. and wall thickness should be shown in the drawings. (Corresponding figure in inches can be shown inside bracket).
6. Summary list of crossings in entire pipeline with crossing length, type of crossing, method of crossing etc.
7. Typical crossing drawings for roads, railway lines, canal/water Reservoirs.
8. EIA, RRA/QRA, HAZOP Study Reports and action taken/proposed on the recommendations made in these reports.
9. MOE & F Clearance, if applicable. Any other statutory permission, if available.

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10. Layouts and P&ID of originating/Despatch & Terminating/Receipt stations of the proposed pipeline including those of S.V./I.P. Stations drawn to scale in conformity to Annexure II of OISD 214.
11. Notification under Section 6(1) of P.M.P Act 1962 regarding acquiring ROW or application for Notification under Section 3(1)/6(1).
12. Permission/consent from authority/bodies through whose land pipeline is passing, if not covered under Notification 3(1)/6(1).
13. Design basis, indicating code followed, calculation of minimum wall thickness considering design pressure including external pressure, surge pressure etc. justifying selection of pipe chosen adding corrosion allowance etc. Calculation of minimum thickness of pipe for each location class shall be furnished.
14. If proposal is for a SPUR line, exact location of tap off point & reference of pipeline (already approved by CCE) from which tap off is taken, to be indicated in the proposal.
15. Methods of protection of the pipeline against corrosion with full details of standard adopted.
16. Filled in format as per Schedule-VII of MSIHC Rule, 1989 giving all necessary informations.

All the documents are required to be submitted alongwith the application in two sets.