

## **CHAPER XII EXEMPTION**

201. **Power to exempt** . - The Central Government may, on the recommendation of the Chief Controller, in exceptional cases, by order exempt any class or classes of petroleum from all or any of the provisions of these rules, on such conditions, if any, as may be specified in the order.

202. **Repeal and savings** . -

(1) The Petroleum Rules, 1976, are hereby repealed.

(2) Notwithstanding such repeal -

(i) all licences or duplicates granted or renewed under the said rules and all fees imposed or levied shall be deemed to have been granted, renewed or imposed or levied, as the case may be under the corresponding provisions of these rules, and

(ii) all approvals given and all powers conferred by or under any notification or rule shall, so far as they are consistent with the Act and these rules be deemed to have been given or conferred by or under these rules.109

### **FIRST SCHEDULE**

#### **1. Article**

#### **2. Form of Licence**

#### **3. Purpose for which Granted**

#### **4. Authority empowered to grant licence**

#### **5. Fee**

1. III To carry petroleum in bulk by water An Officer appointed by the Central Govt.

For ships or other Rs. 5000 for Vessels not exce- period of one Eding 100 tonnes year or part the-Gross tonnage reef from the date of issue.

For every Rs. 1000 Additional 50 Tonnes gross tonnage or fraction thereof.

2. XI To carry petroleum by land on mechanically propelled vehicles Controller Rs. 500 for every Calendar year or part thereof

3. XII To import and store petroleum Class A in quantity not exceeding 300 litres District Authority Rs. 200 for every Calendar year or part thereof.

4. XIII To import and store petroleum Class B otherwise than in bulk in quantity not exceeding 25000 litres District Authority Rs. 20 for every 1000 litres or part thereof for a calendar year.

5. XIV To store petroleum in tank or tanks, in connection with pump outfit for fueling motor conveyances. Controller For each class of petroleum Rs. 1000 for the first 50 KL plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

6. XV To import and store petroleum in an installation Chief Controller or a Controller authorised in this behalf by the Chief Controller For each class of petroleum Rs. 1000 for the first 50 KL plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

7. XVI To import and store other wise than in bulk

(a) Petroleum Class A in quantities exceeding 300 litres

(b) Petroleum Class B in quantities exceeding 25000 litres

(c) Petroleum Class C in quantities exceeding 45000 litres or

(d) partly one class and partly two classes of petroleum Controller For each class of petroleum Rs. 1000 for the first 50 KI plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

8. XVII To store petroleum Class A temporarily in quantities not exceeding 50000 litres for fuelling of aircrafts in connection with crop spraying work only. Controller For each class of petroleum Rs. 1000 for the first 50 KI plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

9. Special Form To import and store petroleum class not provided for in Articles 3,4,5,6 and 7

Controller For each class of petroleum Rs. 1000 for the first 50 KI plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

10. XVIII To decant kerosene (petroleum class B) from mechanically propelled vehicle in containers) Controller Rs. 200 for every Calendar year or part thereof.

11. XIX To transport petroleum Class A/B in bulk on land for on site refuelling of aircrafts, heavy vehicles/machinery and stationery equipments by a mechanically propelled vehicle Viz, Refueller Controller Rs. 500 for every Calendar year or part thereof.

**SECOND SCHEDULE  
FORM I**

**(See rules 17 and 26)**

Declaration to be made by the Master or agent of ship carrying petroleum by sea before entering port or by the importer or his agent before importing petroleum by land

Name of ship

.....

Particulars of the carriage

Name of Petroleum	Total quantity in the ship or carriage	Quantity of petroleum to be landed in India. Name of port or Place of import	Remarks
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Petroleum Class A which can be used in an internal combustion engine

Other Petroleum Class A

Petroleum Class B

Petroleum Class C

\_\_\_\_\_  
Signature of Master or agent of the ship

**FORM II  
(See rules 19 and 26)**

**Certificate of Storage Accommodation**

I here by declare that I propose to store the following consignment of petroleum arriving per .....(name of ship or particulars of carriage) in .....(name of port or place of Import) on or about.....(date, month, year) at the storage tanks or shed, particulars of which are given in item (i) and (ii) of col. (1) of the statement below and I certify that the capacity as shown as available and shown as available in item (iii) of the said column are duly licensed for the storage of petroleum in question.

\_\_\_\_\_  
Signature of importer or his agent

Dated the.....

**STATEMENT**

Description of Import and storage capacity (1)	Petroleum Class A (2)	Petroleum Class B (3)	Petroleum Class C (4)
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**A**

- (i) Total licensed capacity of storage tanks.
- (ii) Total capacity available in storage tanks.
- (iii) Capacity to be utilized by present consignment.

**B**

- (i) Total licensed capacity of storage sheds.
- (ii) Total capacity available in storage sheds.
- (iii) Capacity to be utilized by present consignment.

**FORM III**  
**(See rule 33 and Art. I of the First Schedule)**

Licence for the carriage of Petroleum in bulk by water.

Licence No. .... Fee Rs. ....

The vessel described below is hereby licensed for the carriage of Petroleum in bulk by water under rule 33 of Petroleum rules 2002 in the vessel described below subject to the provisions of Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this licence.

The licence shall remain in force till the .....day of .....two thousand\*

Licensing Authority

**Description of the licensed vessel**

Name of vessel .....

Official number .....

Gross tonnage .....

Name and address of owners .....

The licence is liable to be cancelled if the licensed vessel when inspected is not found to be conforming to the descriptions and conditions attached hereto and contravention of any rules and conditions under which this licence is granted is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every such subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees, or with both.

**Conditions**

**The Petroleum shall be Stored only in -**

(i) the following\*\* part of the vessel .....  
.....  
.....  
.....  
.....

(ii) the following manner\*\*\* that is to say .....  
.....  
.....  
.....  
.....

\* One year from the date of issue

\*\* The parts of the vessel and the manner of storage to be specified in details by the licensing authority in consultation with the Chief Controller of Explosives.

**FORM IV**  
**(See rule 191)**  
**Certificate of Apparatus**

..... Apparatus

Marked No .....

Maker's Name.....

SlideNo.....

Thermometer No. ....Oil Cup No.....  
Water Bath Cup No. ....

The above apparatus including the thermometres been submitted for verification with the Standard Test Apparatus was compared by me on ..... ..and found to agree with it within the prescribed limits.

The following corrections are necessary to the thermometer and barometer or aneroid readings:

Thermometer No. ....

Barometer or Aneroid No. ....

This certificate is valid for a period of three years from the .....

Date.....

Reference.....

Signature and designation of the Officer  
appointed under Section 15 (1)  
Of the Petroleum Act, 1934

**FORM V**  
(See rule 192)

**Register of Certificate of Apparatus**

Serial No	Designation of officer by whom the apparatus has been tested	Place at which the apparatus is indented to be used	Number and date engraved on the apparatus	Contents of certificate	Date on which certificate will cease to be valid
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**FORM VI**  
(See rule 195)

**Certificate of Tests of Petroleum**

Owner .....

Marks.....

Test (1).....

(2) .....

(3) .....

Average .....Thermometer

Correction No. ....

The sample is .....

Petroleum and (in the case of petroleum Class B) has a flash point of

.....

Place:

Testing Officer .....

Date.....

**FORM VII**  
[See rule 143, 147 and 148]

Application for the grant/amendment/renewal/transfer of licence to transport Petroleum Class A and Class B in bulk on land by mechanically propelled vehicles. Documents listed below must be submitted with this application

**PART A.** To be filled in and signed by the applicant

1. Applicant's name and full postal address .....
2. Particulars of the vehicle in which.....Petroleum is proposed to be transported
  - (i) Make and Model .....
  - (ii) Engine Number .....
  - (iii) Chassis Number .....
  - (iv) Registered Number.....
  - (v) ULW and RLW .....
  - (vi) Date up to which the vehicle is registered .....
  - (vii) Name and full postal address of the registered owner.....
  - (viii) Number of compartments and certified capacity in kilolitres of each compartment .....Compartment 1 2 3 4 5 6 7 Total Capacity in Kilolitres No.  
Capacity in kilolitress
- viii) Class or Classes of petroleum proposed to be transported in the vehicle described above .....
- ix) Number and date of approval of the design drawing of the vehicle by the Chief Controller .....

3. Does the tank vehicle described above fully conform to the requirements laid down in third Schedule to the Petroleum Rules 2002 and are the design drawings approved by the Chief Controller? .....

4. Full Postal Address of the Place where the vehicle will be normally stationed. ....

I/We declare that the particulars given above have been checked up by me/us and are correct. I/We undertake to transport petroleum in the tank vehicle/trailer, particulars of which are given above, in accordance with the provisions of the petroleum Act, 1934, and the rules framed there under and any other law or rules for the time being in force. I/We understand that any contravention of the said Act and the Rules framed thereunder is punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees or with both and for every subsequent offence with simple imprisonment which may extend to three months or with fine which may extend to five thousand rupees or with both.

Date .....

Place..... Signature of the applicant.

Part-B To be filled in and signed by the recognized engineer.  
I certify that the tank vehicle/trailer, the particulars of which are given in Part A of this form has been examined and tested by me and found to be fully conforming to particulars shown in approved drawing No..... date  
.....complying with the requirements laid down in the Third Schedule to the Petroleum Rules, 2001.

Date ..... Name .....

Place..... Recognized Qualification .....

.....

Full Postal Address .....

.....

Signature .....

Documents required to be submitted with this Application

1. Two copies of drawing approved under sub-rule (3) of rule 63.
2. Expired licence if the vehicle was previously licensed.
3. Required amount of fee paid in the manner specified in rule 13.

## FORM VIII

(See rules 143, 147 and 148)

Application for a grant/amendment/renewal of a licence to transport petroleum Class A/B in bulk on land for fueling of aircraft, heavy vehicles/ machineries and stationery equipment by a mechanically propelled vehicle viz. Refueller

Documents listed below must be submitted with this application.

**PART-A** To be filled in and signed by the applicant

1. Applicant's Name and full postal address.....
2. Particulars of the vehicle in which..... petroleum is proposed to be transported for on-site fuelling of aircraft, heavy vehicles/machineries and stationery equipment.
  - (i) Make and Model .....
  - (ii) Engine Number .....
  - (iii) Chassis Number .....
  - (iv) Registered Number.....
  - (v) ULW and RLW.....
  - (vi) Date up to which the vehicle is registered .....
  - (vii) Name and full postal address of the registered owner .....
  - (viii) Number of compartments and certified capacity in kilolitres of each compartment .....

Compartment 1 2 3 4 5 6 7	Total Capacity in Kilolitres
Capacity in Kilolitres	

- (ix) Class or Classes of petroleum proposed to be transported in the vehicle described above.
- (x) Number and date of approval of the design drawing of the vehicle by the Chief Controller.
- (3) Does the tank vehicle described above fully conform to the requirements laid down in third Schedule to the Petroleum Rules 2002 and the design drawings approved by the Chief Controller.
- (4) Full Postal Address of the place where the vehicle will be normally stationed.
- (5) Full Postal Address and license number of the installation where the vehicle shall be loaded. In case of service station, number and date of the letter under which the specifically prepared loading area attached to the service station has been approved.
- (6) Name and full postal address of users and of the place where the vehicle normally will be transporting petroleum Class A/B for the purpose of the site refueling of aircraft's, heavy vehicles/machineries, stationery/equipment. Particulars of heavy vehicles which are proposed to be refueled by the vehicle.

I/We declare that the particulars given above have been checked up by me/us and are correct. I/We undertake to transport petroleum by the vehicle, particulars of which are given above, in accordance with the provisions of the petroleum Act, 1934 and the rules framed thereunder and any other law or rules for the time being in force. I/We understand that any contravention of the said Act and the Rules framed thereunder is punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees or with both and for every subsequent offence with simple imprisonment which may extend to three months or with fine which may extend to five thousand rupees or with both.

Date :

Place :

Signature of the applicant

## Part II

**To be filled in duly signed by the recognized engineer**

I certify that the vehicle, the particulars of which are given in Part A of this form, has been examined and tested by me and found to be fully conforming to the particulars shown in approved drawing no.....dated ....., complying with the requirements laid down in the Third Schedule to the Petroleum Rules. 2002.

Name.....  
Recognized Qualification .....  
Full Postal address.....  
.....

Signature  
Place .....  
Date .....

Documents required to be submitted with this application

1. Four copies of drawing approved under sub-rule 3 of rule 63.
2. Required amount of licence fee to be paid in the manner specified in rule 13.
3. Original licence (only in case of renewal/amendment).
4. Four copies of site plan showing area of operations (only in case vehicle is used for on-site fuelling of the heavy vehicle/machineries and stationery equipment).
5. List of heavy vehicles/machineries and stationery equipment's whose tanks require filling/replacement.
6. Four copies of the plans of the premises approved for loading the vehicles under rule 76(1).  
Authorised carrying capacity   Compartment No. 1 2 3 4   Total Capacity in Kilolitres   Capacity in Kilolitres

### **SPACE FOR ENDORSEMENT OF RENEWALS**

**(The licence shall be renewable without any concession in fee for the maximum period upto three years)**

Date of renewal   Date of Expiry   Signature and office stamp of Licence authority  
This licence is liable to be cancelled if the licensed vehicle is not found conforming to the specifications given in the Third Schedule or for the contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months or with fine which may extend to five thousand rupees, or with both.

### **FORM IX**

**(See rules 143, 147,148 and 156)**

Application for a grant/amendment/renewal/transfer of a licence to import and store petroleum

**Documents listed below must be enclosed with this application, if it is for the grant of a licence in Forms XIV, XV, XVI or in Special Form**

The replies to be given in this Column

1. Applicant's Name .....
- Applicant's calling .....
- Applicant's full .....
- Postal Address .....
2. Situation of the premises where .....
- Petroleum is to be stored .....
- State .....
- District .....
- Town and village .....
- Police Station .....
- Nearest railway station .....
3. Quantity (in litres) of petroleum proposed to be imported and stored :
  - (i) Petroleum Class A .....
  - (a) In bulk .....
  - (b) Not in bulk .....
  - (c) Total .....
  - (ii) Petroleum Class B .....
  - (a) In bulk .....
  - (b) Not in bulk .....
  - (c) Total .....
  - (iii) Petroleum Class C .....
  - (a) In bulk .....

- (b) Not in bulk .....
- (c) Total .....

**Total of all classes of Petroleum .....**

4. Quantity in litres of petroleum already stored in the premises:

- (i) Petroleum Class A .....
- (a) In bulk .....
- (b) Not in bulk .....
- (c) Total .....
- (ii) Petroleum Class B .....
- (a) In bulk .....
- (b) Not in bulk .....
- (c) Total .....
- (iii) Petroleum Class C .....
- (a) In bulk .....
- (b) Not in bulk .....
- (c) Total .....

**Total of all classes of Petroleum .....**

5. Number of licence held for the premises and the Full name of the holder of the licence .....

I hereby declare that the statements made above have been checked up by me and are true and I undertake to abide by the terms and conditions of the licence which will be granted to me.

Date of application Signature and designation of the applicant.

**Notes.**

1. Where the application is made on behalf of a company, the name and address of the company and the name of the manager or agent should be given and the application should be signed by him. Every change in the name of the manager or agent shall be forthwith intimated to, and his specimen signature filed with, the licensing authority.
2. "In bulk" means in tanks or receptacles exceeding 1,000 litres in capacity "Not in bulk" means in approved containers not exceeding 1,000 litres in capacity.

**Documents required to be submitted with this application for a Licence in Forms XIV, XV, XVI or in special Forms.**

- (i) Four copies of specifications and plans approved under sub-rule (5) of rule 131 or sub-rule (3) of rule 147, as the case may be. (Not required for renewal and transfer or a licence without amendment)
- (ii) Licence together with approved plan and specifications attached there to. (Not required for the first grant of licence)
- (iii) "No Objection Certificate" from the District Authority. (Not required for renewal, transfer and amendment of a licence without any change in the site of the licensed premises).
- (iv) Requisite amount of fees for the grant, amendment, or transfer of a licence paid in the manner specific in Rule 13.
- (v) A certificate of tank testing if required under Rule 126.
- (vi) A certificate of safety if required under Rule 130.

**FORM X**

**[See rules 143, 147, and 148]**

Application for a grant/amendment/renewal of a licence to decant kerosene (petroleum Class B) from mechanically-propelled vehicles in containers Replies to be given in this Column

1. Applicant's Name .....
- Applicant's calling .....
- Applicant's full .....
- Postal Address .....
2. Particulars of the vehicle in which kerosene (petroleum Class B) is to be transported.
  1. Registration No. ....
  2. Licence No. under the Petroleum Rules, 2002.....
  3. Validity of the Licence .....

4. Name and address of licensee:.....  
3. Area of operation for which licence is required:  
State (1) .....  
State (2) .....  
District/City/Town/Village/Street/Road/Police Station .....

4. Location of premises where kerosene container is to be stored: Municipal Corporation/Panchayat  
No. ....

Name and address of the occupant: .....

5. Has the applicant been appointed agent dealer of oil company.

.....  
If, yes, please give name of the Oil company and reference no. and date of appointment. ....

I hereby declare that the particulars have been checked up by me and are true and I undertake to abide by the terms and conditions of the licence which will be granted to me.

Date of application Signature of the applicant.

**Notes:-**

1. When the application is made on behalf of the company, the name of the manager or agent should be given and the application should be signed by him. Every change in the name of the manager or agent shall be forth with intimated to, and his specimen signature filed with, the licensing authority.
2. Application shall be made in respect of not more than two areas of operation and decantation of kerosene will be done in due area at a time.

**FORM XI  
(See Art. 2 of the First Schedule)**

Licence to transport petroleum Class A or petroleum Class B in bulk on land by mechanically propelled vehicles.

Licence No. .... Fee Rs. ....

Licence is hereby granted to .....to transport Petroleum in bulk on land by the vehicle as described below subject to the provisions of Petroleum Act, 1934 and the rules made thereunder and to the further conditions of this licence.

The Licence shall remain valid up to the \* .....day of .....20.....

Date of issue.....

Controller

**DESCRIPTION OF THE VEHICLE**

Make and Model ..... Engine Number .....

Chassis Number ..... Registration Number.....

Name of the Registered Owner.....

Class (es) of petroleum authorized to be carried in vehicle .....

Authorised carrying capacity of the tank and compartments.

Compartment 1 2 3 4 5 6 7 Total Capacity in Kilolitres

No.

Capacity in kilolitres

\* One year from the date of issue.

**SPACE FOR ENDORSEMENT OF RENEWALS**

**(The licence shall be renewable without any concession in fee for three years in the absence of contravention of the provisions of the Petroleum Act, 1934, or the rules formed thereunder or of the conditions of this licence**

Date of renewal Date of Expiry Signature and office stamp of Licensing authority

This licence is liable to be cancelled if the licensed vehicle is not found conforming to the specifications given in the Third Schedule or for the contravention of any of the rules and

conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months; or with fine which may extend to five thousand rupees, or with both.

### **CONDITIONS**

- 1) The licence or its authenticated copy shall at all times be kept in the licensed vehicle and produced on demand by an inspector.
- 2) Only responsible persons who are conversant with the conditions of this licence shall be employed for driving the licensed vehicle or attending to it.
- 3) The licensed vehicle shall be constantly attended to by a responsible person and by at least two persons while it is transporting petroleum exceeding 5 kilolitres or towing another vehicle: Provided that the licensed vehicle may, if its tanks and compartments are empty, be left unattended in a place approved for the purpose in writing, by the Chief Controller.
- 4) The licensed vehicle shall at all times carry
  - a) a portable fire extinguisher of capacity not less than 9 litres and suitable for extinguishing oil fires. The extinguisher shall be kept unlocked at an easily accessible position which shall be away from the discharge faucets of the vehicle.
  - b) A separate oil tight and electrically continuous hose for each class of petroleum it is carrying, the hoses shall have at each end oil-tight coupling to match the discharge faucet of the licensed vehicle and the inlet pipe into which the petroleum carried in the vehicles is to be unloaded.
  - c) a strong and flexible cable for electrical bonding; the cable shall be at least 5 metres long and shall have at each end a suitable clamp or clip.
- 5) The licensed vehicle shall not be loaded or unloaded except in a place approved for the purpose, in writing, by the Chief Controller: Provided that the licensed vehicle may not be unloaded at any other place with all due precautions and under adequate supervision if such unloading is necessitated by an accident or breakdown.
- 6) Petroleum carried in the licensed vehicle shall not be directly transferred in to any container or into the fuel tank of any motor conveyance or an internal combustion engine.
- 7) The licensed vehicle shall not be loaded if any tank or compartment, pipe valve, emergency discharge control or any safety fitting becomes leaky, defective or otherwise insecure until necessary repairs have been carried out satisfactorily, and in the event of any leak in the tanks or compartments, until the leak is thoroughly repaired and all the tanks or compartments pass the test specified in clause 5 of the Third Schedule to the petroleum Rules.
- 8) Before petroleum is loaded into or unloaded from the licensed vehicle
  - a) its engine shall be stopped and the battery shall be isolated by a proper switch or otherwise;
  - b) its wheels shall be secured by brakes or by scotching and in the case of animal drawn vehicles, animals shall be unhitched and removed;
  - c) its chassis shall be electrically bonded by a cable with the pipe into or from which it is to be unloaded or loaded;
  - d) the correct filling or discharge hose shall be selected and connected by oil-tight coupling at both ends;
  - e) a responsible person shall be in attendance and remain so until loading or unloading is over and the tanks and compartments have been sealed.
- 9) Except when called upon by the traffic signals or required by an Inspector or a Sampling Officer, the licensed vehicle shall not stop on any road, congested area or a place which is not a place approved in writing, under these rules for loading, unloading or stabling of such vehicles.
- 10) No smoking and no fire or artificial light or any article capable of igniting inflammable vapour shall be allowed on the licensed vehicle.
- 11) The licensed vehicle shall not be used for carrying passenger or any article other than petroleum.
- 12) The licensed vehicle shall not be allowed to be repaired by welding, soldering, brazing, or hot riveting until its tanks, compartments, pipes and valves have been thoroughly cleaned and examined by a competent person and certified by him in writing to be free from inflammable vapour or oil.

13) No alteration in the licensed vehicle or its safety fittings shall be carried out without the previous sanction in writing of the licensing authority. Such alterations so sanctioned shall be endorsed on this licence by an amendment.

14) Every facility shall be given at all reasonable time to any inspector or sampling officer for ascertaining that the rules and the conditions of this licence are dully observed or for drawing samples.

15) Any accident, fire or explosion occurring in the licensed vehicle, which is attended with loss of human life or serious injury to person or property shall be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station having jurisdiction and by telephone/fax and also by telegram to the Chief Controller or Explosives (Telegraphic address "EXPLOSIVES, NAGPUR").

**Additional conditions for the carriage of Petroleum Class A along with any other class of petroleum in the same vehicle covered by this licence.**

a) Two capital letters "ML" each not less than 10 cm. square shall be printed in a conspicuous colour on each side and the rear of the licensed vehicle.

b) The filling pipe, discharge faucet and the vent pipe of the one compartment shall not be interconnected by manifolding or otherwise with the filling pipe, discharge faucet or vent pipe of any other compartment.

c) A metal band not less than 2.5 cm wide, coloured red and bearing embossed or printed words "MOTOR SPIRIT" shall be securely attached to fill the pipe and discharge faucet of each compartment carrying petroleum Class A. A similar metal band coloured blue and grey and bearing embossed or printed words describing the class of petroleum shall be securely attached to fill the pipe and discharge faucet of each compartment carrying such other class of petroleum.

d) Separate hoses for each calls of petroleum shall at all times be carried in the licensed vehicle. Hoses for each calls or petroleum shall have securely attached to it distinctively coloured and marked identification bands as prescribed under additional conditions No. (c) for filling pipe and discharge faucet.

e) Petroleum carried in the licensed vehicle shall not be unloaded except into the underground tanks of a service station.

**Space For Endorsement of Alterations**

**(See condition 13)**

**Serial Description of Date of sanctioning Signature of Number alteration alteration licensing authority**

**FORM XII**

**(See Art. 3 of the First Schedule)**

**Licence to import and store Petroleum Class A in quantity not exceeding 300 litres in a storage shed or approved bin**

Licence No. .... Fee Rs. ....

Licence is hereby granted to .....

.....valid only for the importation and storage of

.....litres of Petroleum in the premises described below

subject to the provisions of Petroleum Act, 1934 and the ruleS made thereunder and to the further conditionS of this licence.

The Licence shall remain in force up to the 31st day of December20.....

The ..... 20..... District Authority.

Description and location of the licensed premises:

The licensed premises consist of Storage Shed .....

An approved bin of type approved by the Chief Controller.

and is situated at .....

**House Number/Name of Street/Village or Town/Police Station/District Space for Endorsement of Renewals**

This licence shall be renewable without any concession in fee for three years in the absence of contravention of the provisions of the Petroleum Act, 1934 or of the rules framed thereunder

or of the conditions of this licence.

Date of renewal Date of expiry of  
licence

Signature and  
Office stamp of the  
licensing authority.

This licence is liable to be cancelled if the licensed premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months or with fine which may extend to five thousand rupees, or with both.

### **CONDITIONS**

1) Petroleum Class A shall be stored only:-

(i) in a storage shed constructed of suitable non-combustible materials on private ground, the doors and windows may be of wood; or

(ii) in a property ventilated iron bin of a design approved by the Chief Controller and placed on private ground in the open air.

2) The storage shed shall be adequately ventilated near the ground level and also near the roof. The ventilators shall be provided with two layers of noncorroding metal wire gauze having not less than 11 meshes per linear centimeter.

3) The storage shed shall not form part, or be attached to, any building in which any person resides or works or where persons assemble for any purpose unless it is separated therefrom by a substantial roof and partition – wall of masonry construction having no openings therein.

4) The storage shed if in any building, shall not be situated under any staircase or under any other means of exit likely to be required to be used for escape in case of fire.

5) Any two storage shed or bins or other storage premises not more than six metres apart shall be deemed to one storage shed.

6) No alterations shall be carried out in the storage shed or bin without the previous sanction in writing of the licensing authority.

7) If the licensing authority calls upon the holder of a licence, by a notice in writing to execute any repairs to the storage shed, which are, in the opinion of such authority necessary for the safety of the shed, the holder of the licence shall execute the repairs within such period as may be fixed by the notice.

8) All empty receptacles which have contained petroleum Class A shall except when they are opened for the purpose of cleaning them and rendering them free from petroleum vapour be kept securely closed unless they have been thoroughly cleaned and freed from petroleum vapour.

9) No receptacles shall be repaired on the premises and no person shall repair or cause to be repaired any receptacle in which to his knowledge, any petroleum Class A is or has been kept until he has taken all reasonable precautions to ensure that the receptacle has been rendered free from such petroleum and any inflammable vapour.

10. Adequate precautions shall be taken at all times for the prevention of accident by fire or explosion.

11. Every care shall be taken to prevent any petroleum Class A escaping into any drain, sewer harbour, river or watercourse or a public road.

12. Adequate precautions shall be taken to prevent unauthorized persons having access to a petroleum Class A kept and to the vessel which contains or has contained such petroleum.

13. The licensee shall keep daily records and accounts of all receipts and issues of petroleum in such form as the licensing authority may from time to time prescribe and shall exhibit his stock and records to an inspector or sampling officer on demand.

14. Any accident, fire or explosion occurring in the licensed premises, which is attended with loss of human life or serious injury to person or property shall

be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station and to the Chief Controller of Explosives Nagpur, immediately by telephone/fax and also by telegram or telephone where such means of communication are available. [Telegraphic address: 'EXPLOSIVES, NAGPUR']

15. Free access to the licensed premises shall be given at all reasonable times to any inspector or sampling officer and every facility shall be afforded to such officer for ascertaining that rules and the conditions of this licence are duly observed.

**FORM XIII**  
**(See Art. 4 of the First Schedule)**

Licence to import and store Petroleum Class B otherwise than in bulk in quantity not exceeding 25,000litres.

Licence No. .... Fee Rs. ....

Licence is hereby granted to .....

.....valid only for the importation and storage of

.....litres of Petroleum in the premises described below subject to the provisions of Petroleum Act, 1934 and the rules made thereunder and to the further condition of this licence.

The Licence shall remain force up to the 31st day of .....

The ..... 20.....

District Authority

**Description and location of the licensed premises:**

The licensed premises, consist of storage shed and is situated at .....

(House No. or Plot No.) (Name of Street) (Town or village) (Police Station)

(District)

**Space for Endorsement of Renewals**

This licence shall be

renewable without

any concession in

fee for three years

in the absence of

contravention of the

provisions of the

Petroleum Act, 1934

or of the rules

framed thereunder

or any of the

conditions of this

licence.

Date of renewal Date of expiry of

licence

Signature and

Office stamp of the

licensing authority.

This licence is liable to be cancelled if the licensed premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months; or with fine which may extend to five thousand rupees, or with both.

**CONDITIONS**

1) Petroleum shall be stored in the licensed storage shed which shall be constructed of suitable non-combustible material but the beams, rafters, columns, doors and windows may be of wood. The floor of the storage shed shall be suitably finished to form a sump or enclosure not more than thirty centimetres deep and capable of receiving and retaining, in case of any accident or emergency, a volume not less than one half of the quantity allowed under the licence.

- 2) The storage shed shall not form part of, or be attached to any building in which any person resides or works or where persons assemble for any purpose unless it is separated therefrom by a substantial floor or partition – which is constructed of unflammable material and has no opening in it.
- 3) The storage shed if in any building, shall not be situated under any staircase or under any other means of exit likely to be required to be used for escape in case of fire.
- 4) No alteration shall be carried out in the storage shed or bin without the previous sanction in writing of the licensing authority.
- 5) If the licensing authority calls upon the holder of a licence, by a notice in writing to execute any repairs to the storage shed, which are, in the opinion of such authority necessary for the safety of the shed, the holder of the licence shall execute the repairs within such period not being less than one month from the date of receipt of the notice, as may be fixed by the notice.
- 6) Any two storage sheds not more than three metres apart shall be deemed to one storage shed.
- 7) Petroleum Class B shall be packed in air-tight tins or drums of approved type or in other receptacles not easily broken.
- 8) The drum or other receptacles containing petroleum shall only be opened in the licensed premises and for the time necessary for drawing off the petroleum and during such drawing off every reasonable precaution shall be adopted for preventing the escape of petroleum or the vapour therefrom.
- 9) Adequate precautions shall be taken to prevent unauthorized persons having access to a petroleum kept and to any receptacles which contains or has contained such petroleum.
- 10) Adequate precautions shall be taken at all times for the prevention of accident by fire or explosion.
- 11) Every care shall be taken to prevent any petroleum escaping into any drain, sewer harbour, river or watercourse or a public road.
- 12) The licensee shall keep daily records and accounts of all receipts and issues of petroleum in such form as the licensing authority may from time to time prescribe and shall exhibit his stock and records to an inspector or sampling officer on demand.
- 13) Any accident, fire or explosion occurring in the licensed premises, which is attended with loss of human life or serious injury to person or property shall be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station and by telephone/fax and also by telegram to the Chief Controller of Explosives (Telegraphic address “EXPLOSIVES, NAGPUR”).
- 14) Free access to the licensed premises shall be given at all reasonable times to any inspector or sampling officer and every facility shall be afforded to such officer for ascertaining that rules and the conditions of this licence are duly observed.

#### **FORM XIV**

**(See Art. 5 of the First Schedule)**

**Licence to store Petroleum in tank or tanks in connection with Pump outfit for fuelling Motor Conveyances**

Licence No. .... Fee Rs. ....

Licence is hereby granted to .....

.....valid only for the storage of .....

.....Kilolitres of Petroleum Class A and .....Kilolitres of Petroleum Class B/C in tank(s) in the premises described below and shown on the plan No. .... dated..... hereto attached subject to the provisions of Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this licence.

The licence shall remain in force up to the 31st day of December 20.....

The ..... 20.....

**Controller**

**Description and location of the licensed premises:**

This licensed premises, the boundaries of which are shown in the attached plan, are situated at .....and consist of .....

- a) ..... number(s)  
 underground gas tanks of capacity.....kilolitres  
 respectively of petroleum Class A connected with  
 .....number(s)

electrically/manually operated dispensing pump(s).  
b) ..... number(s)  
underground gas tight tanks of  
capacity.....kilolitres each respectively of  
petroleum Class B/C connected with  
.....number(s)  
electrically/manually operated dispensing pumps(s).

c) A sales room/kiosk.

d) Servicing facilities consisting of

**Space for Endorsement of Renewals**

This licence shall be  
renewable without any  
concession in fee for  
three years in the  
absence of contravention  
of the provisions of the  
Petroleum Act, 1934 or  
of the rules framed  
thereunder or of the  
conditions of this licence.

Date of renewal Date of expiry of  
licence

Signature and  
Office stamp of the  
licensing authority.

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given or the approved plan attached hereto or to the conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months; or with fine which may extend to five thousand rupees, or with both.

**CONDITIONS**

1) The Petroleum shall be stored only in one or more underground gastight tanks of capacity and in the position shown in the approved plan attached hereto.

2) Every tank shall be outside any building and placed in a masonry or concrete pit and packed around with sand, earth or clay so that no air space is left between the tank and the masonry or concrete pit and the tank is not visible, such a masonry or concrete pit shall not be obligatory if the tank is a welded one and tested up to pressure of 0.25 kg per square centimeter and is buried and is on a private, leased or rented land and no part of the tank is less than 1.5 metres from any point of the marked boundary of the premises in the approved plan attached hereto.

3) The space over the buried tank(s) shall not be used for any purpose other than

\_\_\_\_\_.

4) There shall be no openings in any tank other than those necessary for the introduction or removal of the petroleum or for ventilating or dipping the tank. The filling and dipping pipes shall be carried down nearly to the bottom of the tank.

5) Every tank shall be fitted with an independent vent pipe leading into the open air. The vent pipe shall be securely supported and shall not be less than 4 metres in height and four metres from any adjoining land or property or from the nearest opening of the sales room/kiosk or any other facility in which sources of fire are likely to be present. Vent pipe of any tank shall not be interconnected with the vent pipe of another tank. The open end of every vent pipe shall be covered with two layers of non-corrodible metal wire gauze having not less than 11 meshes per liner centimeter and shall be further protected from rain by hood or by suitably bending it downward.

- 6) No alteration of the position of a pump or tank and replacement of a tank shall be effected except with the previous sanction in writing of the licensing authority. All alterations sanctioned under this condition shall be shown on an amended plan to be attached to this licence.
- 7) If the licensing authority calls upon the holder of a licence, by a notice in writing to execute any repairs to the storage shed, which are, in the opinion of such authority necessary for the safety of the premises, the holder of the licence shall execute the repairs within such period not being less than one month from the date of receipt of the notice, as may be fixed by the notice.
- 8) Every tank before being repaired or exhumed, shall be cleared of all petroleum and of all flammable vapours, when a tank in position is opened for cleaning or repairs, no electric or other lamps, electric cable or electric fans and no articles, appliances or equipment capable of igniting flammable vapour shall be brought near the manhole of the tank until the tank has been certified in writing to be 'gas-free' by a competent person. Where the tank has been so certified as "gas-free" the certificate shall be preserved by the licensee for a period of not less than three months.
- 9) The petroleum shall enter a tank through close coupled electrically continuous and sound hose.
- 10) The underground tank or tanks shall not be filled between the hours of sunset and sunrise except in a manner and under conditions specially endorsed on this licence by the licensing authority.
- 11) No artificial light capable of igniting flammable vapour shall at any time be present in the immediate vicinity of the tank lorry/wagon during the transfer of the petroleum to the tank and no person engaged in such transfer shall smoke. When the underground tank is filled with petroleum from barrels, no such light and no smoking shall be allowed within a distance of 9 metres from barrels.
- 12) No petroleum shall be removed from a tank except by means of the pump or pumps at the positions marked on the plan hereto attached. Every pump shall together with its connections and fittings be so constructed and maintained as to be gas and petroleum tight. The pipe connection between the tank and a pump shall be placed underground.
- 13) For the purpose of charging the tanks of motor vehicles the petroleum shall only be supplied by being-
- a) pumped through strong metal piping by means of approved pumps into above ground measuring tanks of a capacity not exceeding 150 litres, fixed in approved positions, and run thence through sound hose fitted with a secure self-closing cock and nozzle, into the tanks of motor vehicles, or
  - b) pumped through strong metal piping by means of approved pumps into an above ground service tank of approved capacity, fixed in an approved position, and run thence through strong metal piping into measuring tanks of a capacity not exceeding 150 litres, fixed in approved positions, and run hence through sound hose fitted with a secure self-closing cock and nozzle, into the tanks of motor vehicles, or
  - c) pumped by means of approved measuring pumps, fixed in approved positions, through sound hose fitted with a secure tap and nozzle, into the tanks of motor vehicles.
- 14) Petroleum may be supplied to a motor vehicle between the hours of sunset and sunrise from the pump provided that-
- (i) the pump and the vehicle are adequately illuminated by electric light or failing this by some other form of lighting, and
  - (ii) no light capable of igniting flammable vapour is situated or brought within the extent of hazardous area as specified in part B of Fourth Schedule to the Petroleum Rules, 2002.
- 15) a) Petroleum shall not be placed in any motor vehicle while the engine is running and, where the vehicle is licensed for the conveyance of more than six passengers on hire, while any passenger remains in the vehicle;
- b) person in and engaged in connection with any motor vehicle shall not be permitted to smoke while it is being refueled.
- 16) Petroleum shall not be filled from the tank or the pump into a container or receptacle other than those securely clamped or fitted to a motor vehicle. The restriction imposed by this condition shall not apply-
- (i) when it is absolutely necessary for the purpose of condition of this licence to clear a tank, or
  - (ii) for testing the accuracy of the pump's discharge by means of a standard capacity measure, or

(iii) to the filling of an approved container of capacity not exceeding 25 litres when such filling is absolutely necessary for replenishing the fuel tank of a motor vehicle which has run dry and the motor vehicle cannot be brought into the pump.

(iv) to the filling of Petroleum class B in an approved containers of capacity not exceeding 200 litres and no vehicle with its engine running shall be allowed within 4.5 metres of the container and the dispensing pump.

17) (a) This licence shall be held to cover the use of portable kerb side pump outfit for a period of not more than one month in the place of the licensed permanent outfit in the event of the latter being out of orders, provided notice in writing is given to the licensing authority before the portable pump is taken into use and the conditions of this licence which apply to a portable pump are observed. No petroleum shall be allowed above ground (except that actually in the pump) in any case where the underground tanks can be used in connection with the portable pump by making a temporary connection from the portable pump to the underground tank.

(b) In case where portable pumps are used not more than 400 litres of petroleum in reserve shall be kept within 6 metres of the pump. The petroleum so kept shall be in approved containers and none of it shall be kept outside the licensed premises.

18) Every person managing or employed on or in connection with the licensed premises shall abstain from any act whatsoever which tends to cause fire or explosion and which is not reasonably necessary and to the best of his ability shall prevent any other person from doing such act.

19) Every care shall be taken to prevent any petroleum escaping into any drain, sewer or public road.

20) The licensee shall provide for each pump, whether kerb side or portable, a minimum of two tins or drums of dry sand and two portable foam type or dry chemical type fire-extinguishers which shall be kept ready at convenient location for immediate use in the event of any fire.

21) In premises where auto LPG or CNG dispensing facilities are installed, the requirements of Static and Mobile Pressure Vessels(Unfired) Rules 1981, or Gas Cylinder Rules 1981, as the case may be, and condition of the respective licenses granted under those Rules for the above facilities shall also be complied with.

22) Any accident, fire or explosion occurring in the licensed premises, which is attended with loss of life or serious injury to person or property shall be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station and by telephone/fax and also by telegram to the Chief Controller or Explosives (Telegraphic address "EXPLOSIVES, NAGPUR").

23) Free access to the licenced premises shall be given at all reasonable times to any inspector or sampling officer and every facility shall be afforded to such officer for ascertaining that rules and the conditions of this licence are duly observed.

#### FORM XV

(See Art. 6 of the First Schedule)

#### Licence to Import and Store Petroleum in an Installation

Licence No. .... Fee Rs. ....

Licence is hereby granted to ..... valid only for the importation and storage of ..... petroleum of the class and in quantities as herein specified and storage thereof in the place described below and shown on the approved plan No. .... dated.....

Attached hereto subject to the provisions of Petroleum Act, 1934 and the rules made thereunder and to the further conditions of this licence. The licence shall remain force up to the 31st day of December 20.....

Description of petroleum Quantity

Licensed in Kilolitres

Petroleum Class A, in bulk .....

Petroleum Class A, otherwise than in bulk .....

Petroleum Class B, in bulk .....

Petroleum Class B, otherwise than in bulk .....

Petroleum Class C, in bulk .....

Petroleum Class C, otherwise than in bulk .....

Total

The ..... 20 .....  
Chief Controller

**Description and location of the licensed premises:**

This licensed premises, the lay-out boundaries and other particulars of which are shown in the attached approved plan are situated at

.....  
.....  
And consists of .....  
.....  
.....

**Space for Endorsement of Renewals**

This licence shall be renewable without any concession in fee for three years in the absence of contravention of the provisions of the Petroleum Act, 1934 or of the rules framed thereunder or any of the conditions of this licence.

Date of renewal Date of expiry of licence

Signature and Office stamp of the licensing authority.

This licence is liable to be cancelled if the licensed premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months; or with fine which may extend to five thousand rupees, or with both.

**CONDITIONS**

- 1) The licensed premises shall not without permission in writing from the Chief Controller, be used for any purpose other than the storage and distribution of petroleum and purposes directly connected therewith.
- 2) The Petroleum shall be kept only in the storage tanks and storage filling sheds or other approved places within the installation specified for the purpose on the plan attached hereto.
- 3) (i) The tank or tanks shall be supported on well-designed foundations and shall be either buried underground or installed in the open and surrounded by wall or embankment not more than 2 metres high and made of earth, steel, concrete or solid masonry capable of withstanding fully hydrostatic load. Earth wall of over 1m. high shall have not less than 0.6m wide flat section on top: Provided that a wall or embankment higher than 2m may be allowed by the licensing authority where there are special circumstances which, in his opinion warrant such increase.  
(ii) The ground within the enclosure shall not be lower than the level of the ground outside the enclosure and shall be finished to form a slope of not less than half a percent from the tank towards the drain or sump. Provided that nothing in this clause shall apply in the case of an enclosure which is connected to and efficient oil interceptor of sample capacity through an underground drainage system having proper slope.  
(iii) The drainage from the enclosure shall be controlled by a valve which shall be accessible under fire conditions and be capable of being operated from outside the enclosure. All surface water drainage from the enclosure shall be passed through an efficient oil interceptor.

(iv) Where two or more tanks are installed in one enclosure the total capacity of the tanks in the enclosure shall not exceed 60,000 kilolitres in the case of conventional fixed-roof and 1,20,000 kilolitres in the case of floating roof tank or those of special design (where there is a combinations of fixed and floating roof tanks in the same enclosure then the total capacity of fixed-roof tanks and floating roof tanks shall not exceed 60,000 kilolitres). Such an enclosure shall be sub-divided by masonry channels of ample dimensions or by intermediate wall of not less than 0.6 m in height to prevent spills from one tank endangering any other tank in the same enclosure. Explanation : for the purpose of this clause, a group of small tanks each not exceeding 9m in diameter and in all not exceeding 5,000 kilolitres in capacity shall be treated as one tank.

(v) (a) Where petroleum Class A or petroleum Class B is stored in the enclosure or petroleum Class C is stored along with petroleum Class A or Class B, the capacity of the enclosure shall be hundred percent of capacity of the largest tank in the enclosure after deducting the volume up to the height of the enclosure wall, of all other tanks in the same enclosure.

(b) Where petroleum Class C is only stored in the enclosure the height of the enclosure wall shall be not less than one metre.

(vi) Except for necessary pipes and valves and approved electric lights, the space within and enclosure and not occupied by tank or tanks shall be kept entirely clear and unoccupied.

4) All tanks shall be fitted with vent pipes leading into the open air, the open end being covered with two layers of fine copper or other non corrodible metal wire gauze of not less than 11 meshes per linear centimeter and fitted with a hood or the tank shall be fitted with an approved relief valve or other approved means of preventing dangerous internal or external pressures. The vent pipe and the relief valve of one tank shall not be interconnected with those of any other tank.

5) Cast-iron valves are not permitted on any tank and all valves in an installation must be permanently marked in a manner clearly indicating the direction of opening and shutting the valve.

6) Pumps shall be of a type and placed only in the position shown on the plan attached thereto and they shall together with all connections and fittings be so constructed and maintained as to prevent leakage of petroleum.

7) Storage or filling sheds for containers shall be constructed of suitable unflammable material. The shed shall rest foundation walls and shall be surrounded by a wall or embankment of substantial construction so as to form a sump or enclosure not less than 0.25m and not more than 1m deep. The sump or enclosure thus formed shall be of sufficient capacity to contain without leakage not less than one-fourth of the maximum quantity of petroleum likely to be present in the shed at any one time. The sumps and enclosures must be kept clean and free from any accumulation of inflammable liquids.

8) Every enclosed shed for the storage or filling of petroleum Class A and Class B otherwise than in bulk shall be adequately ventilated near the ground level immediately above the walls constructed to prevent leakage of petroleum and also near or in the roof.

9) (i) Tank vehicles shall be filled, discharged or stabled only in the positions approved for the purpose and shown on the plan attached hereto. An extract of rules 62 to 86 printed in bold etters in the local language and in Hindi and English shall be prominently displayed at each such position.

(ii) A tank vehicle which does not fully comply with the requirement laid down in Part IV of chapter III of these rules shall not be loaded, unloaded or stabled within the licensed premises.

10) Every facility for the storage, loading, unloading or pumping of petroleum shall at all times maintain from any other facility, building, boundary fencing or protected works the distances specified in the Tables 1, 2 and 3

(a) Table 1 and Table 2 in the case of installation where the total quantity of petroleum Class A and petroleum Class B stored above ground in bulk exceeds 5,000 kilolitres or where the diameter of any tank for the storage of such petroleum exceeds 9 metres or

(b) Table 3 in the case of installation where only petroleum Class C is stored or where the total quantity of petroleum Class A and petroleum Class B stored above ground in the bulk does not exceed 5,000 kilolitres and the diameter of any tank for storing petroleum Class A or petroleum Class B does not exceed 9 metres. The layouts of all new grass root refineries/installations approved subsequent to the publication of this rule, shall conform to the oil Industry Safety Director's Standard 118, as amended from time to time. This shall not apply to refineries/installations existing and/or under construction before the publication of the original OISD standard-118. Not withstanding anything herein to the contrary when petroleum is stored in

an installation at or near wells, pumping stations, petro-chemical plants or refineries, the concessional distances given in the attached Table 2 shall not apply and no storage tank, the capacity of which exceeds 250 kilolitres and no petroleum storage of filling sheds/area shall be placed nearer than 90 metres to any boiler, furnace of fire. In such an installation all tanks shall be situated in a compact area (a) under a single control, (b) enclosed or capable of being enclosed by one continuous fence and (c) on which there shall be no protected works.

**TABLE 1**  
**[See condition 10 (a) of Licence Form XV]**

Distance to be observed around facilities in an installation where total quantity of petroleum Class A and petroleum Class B stored above ground in bulk exceeds 5000 kilolitres, or where the diameter of any such tank for the storage of petroleum exceeds 9 metres:

1. In this table :-

“D” means diameter of large tank.

“d” means diameter of small tank.

“x” means any distance suitable for constructional or operational convenience.

2. Where alternative distances are specified, minimum there of may be observed.

3. All distances shall be measured between the points in the perimeter of each facility except in the case of tank vehicle loading/unloading area where the distance shall be measured from the centre of each bay for such loading/unloading.

To from	Storage tank for petroleum class A	Storage tank for petroleum class B	Storage tank for petroleum class C	Storage shed for petroleum class A or class B	Storage shed for petroleum class C	Tank loading / unloading area for petroleum class A or class B	Tank loading / unloading area for petroleum class A or class B	Flame proof electric pump	Non flame proof electric pumps	Office building worksh ops, stores amenities, fire station, etc. within installation	Boundary fencing around installation
	1	2	3	4	5	6	7	8	9	10	11
1. Storage tank for Petroleum Class A 15m	0.5D or d or 15m	0.5D or d or 15m	6m	15m	15m	15m	15m	15m	15m	15m	20m
2. Storage tank for Petroleum Class B 15m	0.5D or d or 15m	0.5D or d or 15m	6m	15m	15m	15m	15m	8m	15m	15m	15m

3. Storage tank for Petroleum Class C	6m	6m	x	15m	x	8m	x	x	x	8m	4.5m
4. Storage /filling shed for Petroleum Class A or class B	15m	15m	15m	x	8m	15m	15m	8m	15m	15m	15m
5. Storage /filling shed for Petroleum Class C	15m	15m	x	8m	x	8m	x	x	x	8m	4.5m
6. Tank vehicle loading/unloading area for Petroleum Class A or class B	15m	15m	8m	15m	8m	x	x	8m	15m	15m	15m
7. Tank vehicle loading/unloading area for Petroleum	15m	15m	x	15m	x	x	x	x	x	8m	3m

eum Class A or Class C											
8. Flame Proof Electric pump	8m	8m	x	8m	x	8m	x	x	8m	8m	3m
9. Non Flame proof electric pump	15m	15m	x	15m	x	15m	x	8m	x	3m	x
11. Boundary fencing around installation.	20m	15m	4.5m	15m	4.5m	15m	3m	3m	x	x	x

**TABLE 2**

(See condition 10(b) of licence Form XV)

**Inter distance Between Storage Tanks**

Item	Floating Roof	Fixed Roof Tanks	Class C
	(Class A and B Petroleum)		
All tanks with diametres Upto 50 metres	$(D + d)/4$	$D + d)/4$	$((D + d)/6$
All tanks with diametres Upto 50 metres	$(D + d)/4$	$(D + d)/3$	$(D + d)/4$

**Notes :-**

1. This table is applicable for installations where aggregate storage capacity of class A and class B petroleum stored above grade exceeds 5000 kilolitres or where the diameter of any such tank for the storage of petroleum exceeds 9 m. 2. Distance given are shell to shell in the same dyke.
3. Notation :  
D - diameter of larger tank in metres  
d - diameter of smaller tank in metres
4. If the inter distance (for class A and B) calculated as above are less than 15m, then minimum of 15 m or 0.5 D or d shall be followed.

5. Interdistance between class A/B storage tanks and class C storage tanks shall not be less than 6 metres.

**TABLE 3**  
**[See condition 10 (b) of Licence Form XV]**

Distances to be observed around facilities in an installation where:-

- (i) Only petroleum Class C is stored ;
- (ii) Total quantity of petroleum Class A and petroleum Class B stored above ground in bulk does not exceeds 5,000 kilolitres;
- (iii) The diameter of any tank for storing petroleum Class A or Class B does not exceed 9 metres.

1. In this table “D” means diameter of larger tank and “x” means any distance suitable for constructional or operational convenience.

2. Where alternatives distances are specified, minimum there of may be observed. All alternative distances shall be measured between the nearest points in the perimeter of each facility except in the case of tank vehicle loading/unloading area where the distance shall be measured from the centre of each **bay** for such loading/unloading.

To From	Storage tank for petroleum Class A	Storage tank for petroleum Class B	Storage tank for petroleum Class C	Storage /filling shed for petroleum Class A	Storage /filling shed for petroleum Class B	Storage /filling shed for petroleum Class C	Tank vehicle loading/unloading area for petroleum Class A	Tank vehicle loading/unloading area for petroleum Class B	Tank vehicle loading/unloading area for petroleum Class C	Flame proof electric pump	Non flame proof electric pump	Office building stores amenities Station etc. within installation	Boundary fencing around installation
	1	2	3	4	5	6	7	8	9	10	11	12	13
1. Storage tank for Petroleum Class A	0.5D or 6m	0.5D	0.5D	9m		9m	9m	15m	15m	15m	3m	15m	15m
2. Storage tank for Petroleum Class B	0.5D or 6m	0.5D	0.5D	9m	0.5D	0.5D	9m	4.5m	4.5m	3m	4.5m	D min 4.5m	D Min 4.5m
3. Storage tank for Petroleum Class C	0.5D or 6m	0.5D or 6m	x	9m	0.5D	x	9m	4.5m	x	x	x	D min 3m	D min 3m
4. Storage /filling shed for	9m	9m	9m	x	4.5m	6m	9m	9m	9m	9m	9m	9m	9m

Petroleum Class A													
5. Storage /filling shed for Petroleum Class B	9m	0.5D	0.5D	4.5m	x	1.5m	9m	4.5m	4.5m	1.5m	4.5m	4.5m	4.5m
6. Storage /filling shed for Petroleum Class C	9m	0.5m	x	6m	1.5m	x	9m	4.5m	x	x	x	3m	3m
7. Tank vehicle loading/unloading area for Petroleum Class A	15m	9m	9m	9m	9m	9m	x	9m	9m	3m	9m	9m	9m
8. Tank vehicle loading/unloading area for Petroleum Class B	15m	4.5m	4.5m	9m	4.5m	4.5m	9m	x	4.5m	.5m	4.5m	4.5m	4.5m
9. Tank vehicle loading/unloading area for Petroleum Class C	15m	4.5m	x	9m	4.5m	x	9m	4.5m	x	x	x	3m	3m
10. Flame Proof Electric pump	3m	3m	x	3m	1.5m	x	3m	1.5m	x	x	3m	x	x
11. Non Flame proof electric pump	15m	4.5m	x	9m	4.5m	x	9m	4.5m	x	x	x	3m	3m
12. Office building workshop, stores amenities, fire fire	15m D min 4.5m	0.5D min 3m	9m	4.5m	3m	9m	4.5m	3m	x	x	x	x	

station, etc													
13. Boundary fencing around installatio n	15m min 4.5m	D min 3m	0.5D	9m	4.5m	3m	9m	4.5m	3m	x	x	x	x

11) The distances specified in condition 10 may be reduced by the licensing authority in cases where special precautions are taken and where there are special circumstances which, in his opinion, warrant such reduction.

12) No alteration shall be carried out in the installation without the previous sanction in writing of the licensing authority. Such alterations so sanctioned shall be shown on an amended plan to be attached to this licence.

13) If the licensing authority calls upon the holder of a licence, by a notice in writing to execute any repairs to the storage shed, which are, in the opinion of such authority necessary for the safety of the premises, the holder of the licence shall execute the repairs within such period not being less than one month from the date of receipt of the notice, as may be fixed by the notice.

14) The responsible agent or supervisor referred to in rule 118 shall not allow any person to enter a tank, which has contained petroleum unless-

(a) such person wear an approved breathing apparatus of a description approved by the Chief Controller, or

(b) (i) the responsible agent or supervisor has certified in writing in prescribed proforma given in OISD standard 105, as the result of an examination of the tank by him self or by some other competent person that the atmosphere in the tank is fit for the person to enter, and

(ii) atleast one person wear an approved breathing apparatus of a pattern approved by the Chief Controller shall have been kept ready for instant use at the manhole of the tank which is being cleaned or repaired. The certificate referred to in sub-clause (i) of clause (b) of this condition shall be preserved in the licensed premises for a period of three months.

15) No work involving the use of fire, welding or hot reveting, shall be performed in or on any tank or within the safety distance required to be observed from such tanks by building and boundary until the tank has been certified in prescribed proforma given in OISD Standard 105 in the manner laid down in clause (b) of condition 14 to be free from petroleum vapour. When any water is pumped into or withdrawn from the tank no further work of above description shall be done until the tank has been retested and a fresh certificate issued. When a tank is opened for cleaning and repairs, no lamp of any description either ordinary or electric, electric torches, electric cables or fans other than of a flameproof or intrinsically safe type approved by the Chief Controller shall be brought near tank.

16) No person shall repair or cause to be repaired any receptacle or pipe in which to his knowledge, any petroleum is or has been kept until he has taken all reasonable precautions to ensure that the receptacles or pipe has been rendered free from petroleum and any inflammable vapour: Provided that this condition shall not be deemed to prohibit the usual soldering operations connected with the filling and dispatching of receptacles containing petroleum Class B or petroleum Class C.

17) All empty receptacles which have contained petroleum Class A shall except when they are opened for the purpose of cleaning them and rendering them free from petroleum vapour, be kept securely closed unless they have been thoroughly cleaned and freed from petroleum and inflammable vapours.

18) a) Adequate precautions shall be taken at all times for the prevention of accident by fire or explosion.

b) Wherever so specified by the Chief Controller, storage tanks shall be fitted with approved fire foam and/or water sprinkler attachments which shall be maintained in proper order at all times.

19) Every care shall be taken to prevent any petroleum escaping into any drain, sewer, harbor, river or watercourse or a public road and enclosures or sumps must not be permanently connected with any drain or sewer.

20) The licensee shall keep daily records and accounts of all receipts and issues of petroleum in such form as the licensing authority may from time to time prescribe and shall exhibit his stock and records to an inspector or sampling officer on demand.

21) Any accident fire or explosion occurring in the licensed premises, which is attended with loss of human life or serious injury to person or property shall be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station and by telephone/fax and also by telegram to the Chief Controller of Explosives (Telegraphic address "EXPLOSIVES, NAGPUR").

22) Free access to the licensed premises shall be given at all reasonable times to any inspector or sampling officer and every facility shall be afford to such officer for ascertaining that rules and the conditions of this licence are duly observed.

### FORM XVI

(See Art. 7 of the First Schedule)

Licence to import and store otherwise than in bulk petroleum Class A in quantities exceeding 300 litres or petroleum Class B, in quantities exceeding 25,000 litres or petroleum Class C in quantities exceeding 45,000 litres or petroleum Class A, together with any other class of petroleum in quantities exceeding 300 litres in all.

Licence No. .... Fee Rs. ....

Licence is hereby granted to ..... for the importation of petroleum of the classes and the quantities as herein specified and storage thereof in the place described below and shown in the approved plan No. .... dated..... attached hereto subjectto the provisions of Petroleum Act, 1934 and the rules made thereunder and to the further condition of this licence.

The Licence shall remain force up to the 31st day of December20.....

Description of petroleum

Petroleum Class A Litres

Petroleum Class B Litres

Petroleum Class C Litres

The .....20

Controller

Circle

#### Description and location of the licensed premises:

This licensed premises, the lay-out boundaries and other particulars of which are shown in the attached approved plan are situated at

.....  
.....  
.....  
.....  
.....

#### Space for Endorsement of renewals

This licence shall be renewable without any concession in fee for three years in the absence of contravention of the provisions of the Petroleum Act, 1934 or of the rules framed thereunder or any of the conditions of this

licence.  
Date of renewal Date of expiry of  
licence  
Signature and  
Office stamp of the  
licensing authority.

This licence is liable to be cancelled if the licensed premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months; or with fine which may extend to five thousand rupees, or with both.

### CONDITIONS

- 1) The licensed premises shall not, without permission in writing from the chief Controller, be used for any purposes other than storage and distribution of petroleum & purposes directly connected therewith.
- 2) The petroleum shall be stored only in the storage shed which shall be constructed of suitable non-combustible materials, provided that when no petroleum Class A is stored, the beams, rafters, columns, windows and doors may be of wood. one or more underground gaslight tanks of capacity and in the position shown in the approved plan attached hereto.
- 3) The storage shed shall rest on foundation walls and shall be surrounded by a wall or embankment of substantial construction or the walls and floor shall be suitably finished to form a sump not more than 30 cm deep. A combination of these methods is permissible. The enclosure or sump thus formed shall be of sufficient capacity to contain not less than one half of the total quantity of petroleum for which the licence is granted and be so constructed and maintained as to prevent escape therefrom of any petroleum in the form of liquid whether under the action of fire or otherwise. The sump and enclosure must be kept clean and free from any accumulation of inflammable liquids.
- 4) The storage shed if used for the storage of petroleum Class A shall be adequately ventilated near the ground level immediately above any walls constructed to form the sumps specified in condition 3 and also near the roof. The ventilators shall be covered with two layers of fine copper or other noncorrodible metal wire gauge of mesh not less than 11 meshes per linear cm.
- 5) If the licensing authority calls upon the holder of a licence, by a notice in writing to execute any repairs to the storage shed, which are, in the opinion of such authority necessary for the safety of the premises, the holder of the licence shall execute the repairs within such period not being less than one month from the date of receipt of the notice, as may be fixed by the notice.
- 6) No alteration shall be carried out in the licensed premises without the previous sanction in writing of the licensing authority. All alterations shall be shown on an amended plan to be attached to this licence.
- 7) The following distances shall be kept clear at all times from any storage shed to protected works:

Licensed capacity of storage shed of all classes of petroleum stored in the shed			
Total Distances to be observed from storage shed for			
Petroleum	Petroleum	Petroleum	
Class A	Class B	Class C	
not exceeding 2,500 litres	6m	Not	Not
Applicable	Applicable		
exceeding 2,500 litres but not exceeding 25,000 litres	7.5m	-do-	Not applicable
exceeding 25,000 litres but not exceeding 50,000 litres	9m	3m	-donot
exceeding 50,000 litres but not exceeding 50,000 litres	12m	4.5m	3m

not exceeding 1,00,000 litres  
exceeding 1,00,000 litres 15m 6m 3m

Where more than one class of petroleum is stored together, the entire quantity of petroleum shall for the purpose of this condition deemed to be of the most flammable class thereof.

8) The distances specified in condition 7 may be reduced by the licensing authority where screen walls are provided or other special precautions taken or where there are special circumstances, in his opinion, warrant the reduction.

9) Drums of other receptacles containing petroleum shall only be opened in the licensed premises and for the time necessary for drawing off the petroleum and during such drawing off every reasonable precautions shall be adopted for preventing the escape of petroleum or the vapour therefrom.

10) All empty receptacles which have contained petroleum Class A shall except when they are opened for the purpose of cleaning them and rendering them free from petroleum vapour be kept securely closed unless they have been thoroughly cleaned and freed from petroleum vapour.

11) No person shall repair or cause to be repaired any receptacle in which to his knowledge, any petroleum is or has been kept until he has taken all reasonable precautions to ensure that the receptacle has been rendered free from such petroleum and any inflammable vapour Provided that this condition shall not be deemed to prohibit the usual soldering operations connected with the filling and dispatching of petroleum receptacles when such operations are conducted in and approved place outside the storage shed.

12) Adequate precautions shall be taken at all times for the prevention of accident by fire or explosion. An adequate supply of dry sand together with necessary implement for the convenient application or an adequate member of portable fire-extinguishers suitable for fighting oil fires shall always be kept in easily accessible places immediately outside the storage shed.

13) Every care shall be taken to prevent any petroleum escaping into any drain, sewer, harbour, river or watercourse or a public road.

14) Adequate precautions shall be taken to prevent unauthorized persons having access to a petroleum kept and to any receptacles which contains or has contained such petroleum.

15) The licensee shall keep daily records and accounts of all receipts and issues of petroleum in such form as the licensing authority may from time to time prescribe and shall exhibit his stock and records to an inspector or sampling officer on demand.

16) Any accident, fire or explosion occurring in the licensed premises, which is attended with loss of human life or serious injury to person or property shall be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station and by telephone/fax and also by telegram to the Chief Controller of Explosives (Telegraphic address "EXPLOSIVES, NAGPUR").

17) Free access to the licensed premises shall be given at all reasonable times to any inspector or sampling officer and every facility shall be afforded to such officer for ascertaining that rules and the conditions of this license are duly observed.

## FORM XVII

(See Art. 8 of the First Schedule)

Licence to store petroleum Class A and Class B temporarily in quantities not exceeding 50,000 litres for refueling of aircraft's in connection with crop spraying and fighting forest fire only.

Licence No. .... Fee Rs. ....

Licence is hereby granted to ..... valid

only for the storage of ..... Kls petroleum Class A

at..... subject to the provisions of Petroleum Act, 1934 and the rules made thereunder and to the further condition of this licence.

The licence shall remain valid till .....

Dated .....

Controller.

Circle

## CONDITIONS

- 1) The licensed premises shall not be used any purpose other than storage and distribution of petroleum & purposes directly connected therewith. 2) The Petroleum shall be stored only in open bounded enclosures observing the required safety distance vide condition (3).
- 3) The following distances shall be kept clear at all times from any storage shed to protected works. In case of storage for fighting forest fire the storage premises shall be sufficiently away from the forest area so that petroleum products, stored in the premises, under no circumstances, can be affected by the forest fire. Licensed capacity Distance to be kept clear (litres of petroleum) at all times(metres) not exceeding 2,500 litres 12metres Exceeding 2,500 litres 15metres but not exceeding 25,000 litres Exceeding 25,000 litres 15metres but not exceeding 50,000 litres
- 4) The capacity of the bounded enclosure should be 5 percent more than the maximum quantity of petroleum likely to be stored in the enclosure.
- 5) The petroleum shall be stored in barrels of a type approved by the Chief Controller.
- 6) The safety zone required vide condition 3 shall be surrounded by a rope or other suitable fencing.
- 7) No smoking sign in English and local language shall be prominently displayed on all the four sides of the fenced area.
- 8) The storage area shall be constantly guarded by providing guard in adequate strength. Guard's shelter, if required, shall be provided just outside the fenced area.
- 9) The containers containing petroleum shall be covered by a tarpaulin.
- 10) Any petroleum remaining surplus after the completion of crop spraying operation shall be returned to the depot or stored in premises duly licensed under the Petroleum Rules 2002.
- 11) Drums or receptacles containing petroleum shall be opened only for the time necessary for drawing off petroleum and during such drawing off every reasonable precautions shall be adopted for preventing the escape of petroleum or the vapour there from.
- 12) All empty receptacles which have contained petroleum except when they are opened for the purpose of cleaning them and rendering them free from petroleum vapour be kept securely closed unless they have been thoroughly cleaned and freed from petroleum inflammable vapours.
- 13) No person shall repair or cause to be repaired any container in which to his knowledge, any petroleum is or has been kept until he has taken all reasonable precautions to ensure that the container has been rendered free from such petroleum and any inflammable vapour.
- 14) Adequate precautions shall be taken at all times for the prevention of accident by fire or explosion. An adequate supply of dry sand together with necessary implements for its convenient application or an adequate number of portable fire-extinguishers suitable for fighting petroleum fires shall always be kept in easily accessible places immediately outside the bounded enclosure.
- 15) Every care shall be taken to prevent any petroleum escaping into any drain, sewer harbor, river or watercourse or a public road.
- 16) Adequate precautions shall be taken to prevent unauthorized persons having access to a petroleum and to any container which contains or has contained petroleum.
- 17) The licensee shall keep daily records and accounts of all receipts and issues of petroleum and present the same to Inspector or sampling officer on demand.
- 18) Any accident, fire or explosion occurring in the licensed premises, shall be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station and to the licensing authority.
- 19) Free access to the licensed premises shall be given at all reasonable times to any inspector or sampling officer and every facility shall be afforded to such officer for ascertaining that rules and the conditions of this licence are duly observed

**[FORM XVIII]**

**(See Art. 10 of the First Schedule)**

Licence to Decant Kerosene (Petroleum Class B) From Mechanically-Propelled vehicle in Containers.

Licence No. ....

Fee Rs. ....

186

Licence is hereby granted to .....Agent/Dealer of.....

.....to deliver kerosene (Petroleum Class B) from the tank vehicle into containers subject to the provisions of Petroleum Act, 1934 and the rule made thereunder and to the further conditions of

this licence. The licence shall remain force up to the 31st day of December 20.....The area of operation of the tank vehicle is:

1..... 2. ....  
The ..... 20.....  
Controller of explosives

### **Space for Endorsement/Renewals**

This licence shall be  
renewable without  
any concession in  
fee for three years  
in the absence of  
contravention of the  
provisions of the  
Petroleum Act, 1934  
or of the rules  
framed thereunder  
or any of the  
Date of renewal Date of expiry of  
licence  
Signature and  
Office stamp of the  
licensing authority.  
187  
conditions of this  
licence.

This licence is liable to be cancelled if the premises are not found conforming to the conditions attached thereto and for contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may extend to one month or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months; or with fine which may extend to five thousand rupees, or with both.

### **CONDITIONS**

- 1) The licence or its authenticated copy shall at all times be kept available on tank vehicle and produced on demand by an Inspector.
- 2) The tank vehicle decanting kerosene shall have a valid licence in Form XI under Petroleum Rules, 2002 and the licence or its authenticated copy shall be kept in the licensed vehicle and produced on demand by an Inspector.
- 3) Not more than two tank vehicle load of kerosene per day will be taken by the licensee for the purpose of decanting into barrels, delivery of kerosene to a retail dealer will be given only once during a day and record to this effect will be maintained by the licensee.
- 4) Not more than 2,500 litres of kerosene shall be decanted into containers at any one place. Not more than 2,500 kilolitres of kerosene will be delivered to retail dealer at any one time and none of it will be delivered in a receptacle exceeding one thousand litres capacity.
- 5) The licensee or his authorised representative shall personally supervise decanting kerosene into containers and take all adequate precautions against fire and explosion.
- 6) 'No Smoking' boards in vernacular and English shall be displayed near the premises where kerosene is being decanted.
- 7) The decanting hose should be sound, and electrically continuous and shall be provided with suitable reducer for filling containers. Such reducer shall have suitable valve so as to enable the licensee or his representative to stop unloading in case of emergency.
- 8) The licensee or his authorised representative shall ensure before decanting kerosene from the tank vehicle that the containers are non-leaky.
- 9) The licensee shall ensure that the containers are not splash filled and the reducer has its open end used for delivery extended right up to the bottom of the container.

- 10) All precautions to ensure that static electric charge does not accumulate during decanting operation shall be taken.
- 11) No decanting shall be carried out from the hours of sunset to sunrise.
- 12) The licensee should ensure that no person shall smoke and there is no matches, fires, light or articles or substances capable of causing ignition of petroleum in the vicinity of the place of decantation.
- 13) The licensee shall ensure that no unauthorized person is permitted in the vicinity of the place of decantation.
- 14) The licensee shall not decant kerosene at a time when abnormal conditions prevail in that area.
- 15) No sale of kerosene by the shop-keeper will be permitted during decantation of kerosene.
- 16) The licensee or his representative should be fully conversant with rules 72 to 80,82 and 84 of the Petroleum Rules, 2002 and an extract of the above mentioned rules should be prominently displayed at conspicuous place where the decanting into barrels will be done.
- 17) At least two buckets of dry sand and two dry chemicals or foam type fireextinguishers should be kept available during decanting operation.
- 18) The tank vehicles shall not decant kerosene into containers to any licence holder under the rules unless approval is obtained from the licensing authority.
- 19) Any accident, fire or explosion occurring in the licensed premises, which is attended with loss of life or serious injury to person or property shall be immediately reported to the nearest Magistrate or to the officer-in-charge of the nearest police station and by telephone/fax and also by telegram to the Chief Controller or Explosives (Telegraphic address "EXPLOSIVES, NAGPUR").

## **LICENCE FROM XIX**

**(See Article 11 of the First Schedule of the Petroleum Rules, 2001)**

### **LICENCE TO TRANSPORT PETROLEUM CLASS A/B IN BULK ON LAND BY MECHANICALLY PROPELLED VEHICLES VIZ., REFUELLER**

(a) PETROLEUM CLASS A OR B FOR REFUELLER OF AIRCRAFTS  
OR

(b) PETROLEUM CLASS A OR B FOR ON SITE REFUELLING OF  
VEHICLES/MACHINERIES/STATIONERY EQUIPMENTS.

Licence No. .... Fee Rs. ....

Licence is hereby granted to .....to transport petroleum Class A/B in bulk on land for on site fuelling of the Aircrafts/ heavy vehicles/Machineries/Stationery Equipments by the refueller as described below subject to the provisions of Petroleum Act, 1934 and the rules made thereunder and to the further condition of this licence.

The licence shall remain valid up to the 31st day of December 200.....

Date of issue ..... Controller

Circle

### **DESCRIPTION**

- 1) The vehicle is loaded in the specially prepared area described in approved plan No. .... dated attached hereto or in the storage premises licensed in form XV or special form.
- 2) The area of operation and the equipments to be filled.....
- 3) The refueller conforms to the approved drawing no. .... dated.....attached hereto and to the further particulars given below: Make and Model ..... Engine Number ..... Chassis Number ..... Registered Number.....  
Name of the Registered Owner.....

### **CONDITIONS**

- 1) The licence or its authenticated copy shall at all times be kept in the licensed vehicle and produced on demand by an Inspector.
- 2) Only responsible persons who are conversant with the conditions of this licence shall be employed for driving the licensed vehicle or attending to it.

- 3) The licensed vehicle shall be attended to by a responsible person during its filling, transport and onsite refueling of the tank of Aircraft, heavy vehicles/machineries and stationery equipment: Provided that the licensed vehicle may, if its tanks and compartments are empty, be left unattended to in a place approved for the purpose in writing, by the Chief Controller.
- 4) The licensed vehicle shall conform to the design and construction requirements laid down in Third Schedule.
- 5) The licensed vehicle shall at all times carry:
  - a) A portable fire extinguisher of capacity not less than 9 litres and suitable for extinguishing oil fires. The extinguishers shall be kept unlocked at an easily accessible position which shall be away from the discharge faucets of the vehicles.
  - b) An electrically continuous hose having oil-tight coupling to match the discharge faucet of the licensed vehicle;
  - c) A strong and flexible cable for electrical bonding. The cable shall be at least 5 metres long and shall have at each end a suitable clamp or clip.
- 6) The licensed vehicle shall be loaded at a storage premises licensed in special form or form XV having tank lorry loading facilities. The vehicle if licensed for petroleum B can be loaded at a specially prepared area attached to a service station licensed in form XIV. This area shall have rigid pipeline drawn from the underground tank in service station, delivery pump and vehicle parking space and shall be segregated by a fencing of least 1.8m high. The parking space and filling a point shall observe at least 4.5m clearance all round within the fencing.
- 7) The licensed vehicle shall not be loaded if any tank or compartment, pipe valve, emergency discharge control or any safety insecure until necessary repairs have been carried out satisfactory, and in the event of any leak in the tanks or compartments, until the leak is thoroughly repaired and all the tanks and compartments pass the test specified in clause 5 of the Third Schedule to the petroleum Rules.
- 8) Before petroleum is loaded into the licensed vehicle into the specially prepared area mentioned in conditions;-
  - (a) its engine shall be stopped and the battery shall be isolated by a proper switch or otherwise;
  - (b) its wheels shall be secured by brakes or by scotching and in the case of animal drawn vehicles, animals shall be unhitched and removed; its chassis shall be electrically bonded by a cable with the pipe into or from which it is to be unloaded or loaded;
  - (c) the correct filling or discharge hose shall be selected and connected by oil-tight coupling at both ends;
  - (d) a responsible person shall be in attendance and remain so until loading or unloading is over and the tanks and compartments have been sealed.
- 9) Except when called upon the traffic signals or required by an Inspector or a Sampling Officer, the licensed vehicle shall not stop on any road, congested area or a place which is not a place approved in writing, under these rules for loading, unloading or stabling of such vehicles.
- 10) No smoking and no fire or artificial light or any article capable of igniting inflammable vapour shall be allowed on the licensed vehicle.
- 11) The licensed vehicle shall not be used for carrying passengers or for any other purpose except transport of petroleum Class A/B and refueling the Aircrafts/Heavy vehicles/Machineries/Stationery Equipments. Particulars of the area of the operation shall be intimated.
- 12) Vehicle shall observe minimum 9 metres clearance from any protected works all-round during refueling the tanks of Aircraft, heavy vehicles/ machineries and stationery equipments as the case may be. Unauthorized person shall not be permitted within this safety zone during refueling. No smoking board in vernacular and English shall be displayed prominently near the premises of refueling the tanks of Aircraft, heavy vehicles/ machineries and stationery equipments. No person shall smoke or carry matches, fire, lights, articles or substance capable of causing ignition of petroleum in the vicinity of refueling.
- 13) Before petroleum is unloaded from the licensed vehicle:
  - a) its wheels shall be secured by brakes or by scotching.
  - b) its chassis shall be electrically bonded by a cable with the Aircraft, heavy vehicles/ machineries and stationery equipments, as the case may be.
- 14) Petroleum shall be unloaded only through the pump, viz. Motoring devices mounted on the vehicle.

15) The refueling operation shall be undertaken in the presence of authorised responsible persons of licensee and he will ensure that the tank being refueled is not leaky and is in sound condition.

16) No refueling shall be undertaken during the period of sunset and sunrise without specific approval in writing from the licensing authorities and also when abnormal atmosphere condition prevails in the area.

17) At least two buckets of dry sand and two dry chemicals or foam type fireextinguishers should be kept available during refueling operations.

18) The licensed vehicle shall not be allowed to be repaired by welding, soldering, brazing, or hot riveting until its tanks, compartments, pipes and valves have been thoroughly cleaned and examined by a competent person and certified by him in writing to be free from inflammable vapour or oil.

19) No alteration in the licensed vehicle or its safety fittings shall be carried out without the previous sanction in writing of the licensing authority. Such alternations so sanctioned shall be endorsed on this licence by an amendment.

20) Every facility shall be given at all reasonable time to any Inspector or sampling officer for ascertaining that the rules and the conditions of this licence are dully observed or for drawing samples.

21) Any accident, fire or explosion occurring in the licensed vehicle, which is attended with loss of human life or serious injury to person or property shall be immediately reported to the nearest Magistrate or to the officer-incharge of the nearest police station having jurisdiction and by telephone/fax and also by telegram to the Chief Controller or Explosives (Telegraphic address "EXPLOSIVES, NAGPUR").

**+++Space for Endorsement/Renewals**

**(See condition 19)**

**Sl. No. Description of**

**Alteration**

**Date of**

**sanctioning**

**Signature of the**

**licensing authority**

198

**FORM XX**

**[See rules 2(v) and 130 ]**

A. Qualification and Experience of Competent Person:

Sl. No. Rule under which Qualification and other Experience for the Competency is requirements purpose Recognized

1. Rules 126 and 130 1. Degree in any Minimum experience of branch of Engineering 10 years in testing from a recognized fabrication or university or installation of petroleum equivalent tanks and operation professional and maintenance of qualifications petroleum storage installations.

2. Physically fit and mentally sound for carrying out tests and examinations.

2. Part B of Forms VII -Do- Minimum experience of and VIII 10 years in testing and fabrication or mounting of petroleum transport

199

tanks and operation and maintenance of petroleum tank vehicles.

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B. Application for recognition as competent person under rules 126, 130 or part of Forms VII and VIII

1. Name
2. Date of birth
3. If employed or member in any organization, the name of the organization of the applicant
4. Educational qualification (copies of testimonials to be attached)
5. Particulars of professional experience in chronological order.  
Name of the Period of Designation Area of Organization service responsibilities
6. Membership, if any, of professional bodies
- 200
7. Purpose for which competency certificate is sought (specify the rules)
8. Whether the applicant has been declared as competent person under any statute (if so details)
9. Any other relevant information
10. Declaration by the applicant

I hereby declare that the information furnished above is true. I undertake that in the event of my leaving the aforesaid organization, I will promptly inform the Chief Controller.

b) to fulfil and abide by all the conditions stipulated in the certificate of competency and instructions issued by the Chief Controller from time to time.

Place : Signature of applicant

Date :

I \_\_\_\_\_ certify that Shri \_\_\_\_\_ Whose particulars are furnished above, is in our employment and nominate him on behalf of the organization for the purpose of being declared as a competent person under the rules. I also undertake that I will notify the Chief Controller in case the competent person leaves our employment.

201

Place :

Date :

Signature of \_\_\_\_\_

Name and Designation \_\_\_\_\_

Telephone No. \_\_\_\_\_

Fax No. \_\_\_\_\_

Official Seal

202

### **THIRD SCHEDULE**

**(See rules 63 and 77)**

#### **Design and construction of Tank Vehicles for Transporting Petroleum in Bulk**

##### **1. Basic design of tank vehicle:**

- 1) Tank vehicles for the transportation of petroleum in bulk shall be designed and constructed according to sound engineering practice to ensure correct structural relationship between the tank the propulsion equipment and supporting members, ruggedness, safe-road performance and breaking power.
- 2) In the case of an articulated vehicle, the weight at the ground of the carrying axles of the tank shall not exceed 60 percent of the designed gross laden weight.
- 3) The maximum width of any tank shall be less than the overall width of the vehicle on which it is mounted or by which it is being towed.

##### **2. Material construction of tank:**

- 1) The tank shall be constructed of iron or steel having the following physical requirements and thickness of metal or of any other material approved by the

Chief Controller.

a) Physical requirements:

Yield Point, minimum ..... 1700 kg/cm<sup>2</sup>

Ultimate strength minimum ..... 3100 kg/cm<sup>2</sup>

203

Minimum elongation on standard .....20 percent 5 cm gauge length.

**B. Thickness of metal**

(a) Minimum thickness of tank ends, partitions, baffles and stiffeners shall not be less than 2mm for having volume capacity up to 21 litres per centimetre  
2.7mm for tanks having volume capacity exceeding 21 litres per centimetre:  
Provided that the thickness of tank ends shall in no case be less than the thickness of the tank as specified in clause (b)

(b) The thickness of the tank shell shall be related to the volume capacity of the tank expressed in litres per centimeter and the distance between partitions, baffles or other stiffeners as well as to the radius of shell curvature as specified in the below table:

204

Distance between attachment of  
Partition, baffle and stiffeners

Upto Above Above

90 cm 90 cm 135 cm

upto 135 cm

1 2 3

I. Minimum thickness for tanks having shell radius up to 175 cm and volume capacity-

(i) upto 21 litres per centimetre 2.0mm 2.0mm 2.0mm

(ii) above 21 up to 27 litres per cm 2.0mm 2.5mm 2.5mm

(iii) above 27 litres per cm 2.5mm 2.5mm 2.5mm

II. Minimum thickness for tanks having

shell radius exceeding 175 cm but not exceeding 225 cm and volume capacity-

(i) upto 21 litres per centimetres 2.0mm 2.0mm 2.5mm

(ii) above 21 up to 27 litres per cm 2.5mm 2.5mm 2.5mm

(iii) above 27 litres per cm 2.5mm 2.5mm 3.5mm

205

III. Minimum thickness for tanks having

shell radius exceeding 225 cm and volume capacity-

(i) upto 21 litres per centimetre 2.5mm 2.5mm 2.5mm

(ii) above 21 up to 27 litres per cm 2.5mm 2.5mm 3.5mm

(iii) above 27 litres per cm 2.5mm 2.5mm 3.5mm

IV. Minimum thickness for tanks having

shell radius exceeding 310 cm and volume capacity-

(i) upto 21 litres per centimetres 2.5mm 3.5mm 3.5mm

(ii) above 21 up to 27 litres per cm 3.5mm 3.5mm 3.5mm

(iii) above 27 litres per cm 3.5mm 3.5mm 3.5mm

**Note:** If the tank has other than circular cross-section, the radius for the purpose of this table shall be the maximum for that portion of the cross-section under consideration.

**3. Joints**

206

All joints to tank, its shell, heads, partitions, baffles and stiffeners shall be welded in accordance with recognized good practice and the efficiency of any joint shall not be less than 85 percent of the adjacent metal so joined.

**4. Division of tank into compartment:**

1) Unless expressly permitted in writing by the Chief Controller, a tank having a net capacity exceeding 5 kilolitres shall be divided into compartments by oiltight partitions and no compartment shall have net capacity exceeding 5 kilolitres.

2) Every partition shall be either dished, corrugated, reinforced or rolled. Flat partition without reinforcement shall not be allowed.

**5. Testing of tank:**

- 1) Every compartment of a tank shall be tested by a responsible competent person by hydrostatic pressure of not less than 0.316 kg/cm<sup>2</sup>, The pressure shall be maintained for a period of not less than one hour and shall be gauged at the top of the compartment. The compartment under test shall not show any leakage or drop of pressure during the test.
- 2) Two adjoining compartments of a tank shall not be tested or filled with water simultaneously.

#### **6. Anchoring of tank:**

- 1) The tank shall be securely anchored to the vehicle in a manner that will not-
  - (i) introduce undue concentration of stresses;
  - (ii) impair the stability and performance of the vehicle; and
- 207
- (iii) allow any movement between the tank and the vehicle due to starting, stopping and turning.
- (2) All stops and anchors used to anchor a tank to the vehicle shall be so installed as to be readily accessible for inspection and maintenance.

#### **7. Discharge faucet;**

Each compartment of a tank shall be fitted with a discharge faucet which shall be substantially made and so attached. The discharge end of the faucet shall be threaded or so designed as to permit the hose being tightly coupled to it.

#### **8. Emergency discharge control;**

- (1) The outlet of each compartment of the tank shall have an efficient and reliable shut-off valve located inside the shell or in a sump forming an integral part of the shell.
- (2) The operating mechanism for the shut-off valve shall be provided with a secondary control in an easily accessible position but remote from all fill openings and discharge faucets.
- (3) The secondary control required by sub-paragraph (2) shall be provided with a fusible section which will permit the shut-off valve to close automatically in the event of a fire.
- (4) A shear section which will break under strain shall be provided between the internal shut-off valve and the discharge faucet. The shear section shall be located as close as possible to the internal shut-off valve.

#### **9. Normal –venting**

208

- (1) Every compartment shall be fitted with an independent vacuum and pressure operated vent with a minimum effective opening being covered with two layers of non corroding metal wire gauge having not less than 11 meshes per centimetre.
- (2) The vent shall be so arranged as to limit the pressure within the compartment to 0.21 kg/cm<sup>2</sup> and the vacuum to 5 centimetres water gauge.

#### **10. Emergency venting for fire exposure:**

- (1) In addition to normal venting required by para 9, every compartment of a tank shall be fitted with an emergency venting facility which shall be of the fusible type so as to provide a minimum fire-venting opening having a net area in square centimetres equal to 8 plus 4.3 times the gross capacity of the compartment in kilolitres.
- (2) The emergency vent shall be so designed as to prevent loss of liquid through the vent in the case of vehicle upset except in the case of pressure rise when in the upset position.
- (3) Fusible vents shall be actuated by elements which will operate at a temperature not exceeding 930C.

#### **11. Top-filling Pipe:**

- (1) The inner end of the filling pipe shall be fitted with a proper type of splash deflector and the outer end threaded or so designed as to ensure leak proof connection with the filling hose.
- (2) Top filling pipe, if provided, shall be carried down early to the bottom of the tank.

209

(3) The outer end of the filling pipe shall be fitted with an oil-tight locker cap.

**12. Tank-gauging arrangements:**

(1) Each compartment shall be fitted with a dip pipe or any approved tank gauging device.

(2) The dip pipe, if provided, shall be carried up to the bottom of the tank and all opening in the dip pipe, except the capped top opening shall be covered with two layers of wire gauges having not less than 11 meshes per cm.

(3) The dip pipe shall be fitted with an oil tight locker cap.

**13. Tank overturn protection:**

(1) All tank top fittings shall be protected from damage in the event of overturning of the vehicle chassis on which it is mounted.

(2) Where protection to tank top fitting are provided by enclosing them within the contour of the shell or with in a rigid coming welded to the tank shell, the area enclosed by such protection shall be adequately drained and provided with plug or cut outs to enable the section to be gas freed completely before repair.

**14. Marking:**

Every tank vehicle used for the transportation of petroleum shall, whether loaded or empty be conspicuously marked on each side and rear thereof in letters at least 7cm high on a background of sharply contrasting colours with the words "FLAMMABLE " and the common name of the flammable liquid being transported e.g. "MOTOR SPIRIT", "KEROSENE", etc.

210

**FOURTH SCHEDULE**

**[See Rule 105]**

**A** extent of hazardous area in Refineries /Processing/Plants/major installations conforming to condition 10 (a) of licence **FORM XIII**

Sl. Description of Location of Products Handled Characteristics Extent of Classification

No. the facility the facility stored in the of the facility Areas of Area Facility (Division)

1 2 3 4 5 6 7

1.Plant, Equipment, Open Air Inflammable liquid Releases inflammable (i) Pits, sumps, trenches 1

Process Vessels above its flash-point products under below the floor or ground or inflammable ABNORMAL level within hazardous vapour or conditions area ( **any zone**). gas heavier than air

or requires to be opened up for maintenance due to ABNORMAL conditions

(ii) Area above the ground 2 level extending vertically 8m above the source of hazards and horizontally 16m in all directions from such source. Beyond 8m from the source of hazard in the horizontal plane, the 212

1 2 3 4 5 6 7

vertical extent of the hazardous area may be reduced to 8m above

the ground level.

(iii) Where large release of volatile products may occur, the area in the horizontal plane beyond 16m upto 32m from the source of hazard, extending vertically up to 60cm above the ground level in all directions.

1.1 Plant, Equipment Open Air Inflammable liquid Releases inflammable (i) Pits, sumps, trenches

1 process Vessels above its flash-point products under below the floor or ground or **inflammable NORMAL** level within hazardous **vapour or** gas heavier conditions or Normally area (**any zone**). than air requires **frequent** opening up for maintenance.

(ii) Area above the ground 1 level extending vertically 8m above the source of

213

1 2 3 4 5 6 7 hazards and horizontally 16m in all directions from such source. Beyond 8m from the source of hazard in the horizontal plane, the vertical extent of the hazardous area may be reduced to 8m above the ground level.

(iii) Where large release of volatile products may occur, the area in the horizontal plane up to 16m beyond the hazardous area **zone 1**, extending vertically upto 60cm **above** the ground level in all directions.

1.2 Plant, Equipment Well- **inflammable liquid** Releases inflammable(i) Pits, sumps, trenches Process Vessels ventilated **above its flash point** products under below the floor or ground sheds. **or inflammable vap-** ABNORMAL level within hazardous **our or gas heavier** conditions or requires area (**any zone**). **than air** to be

opened up for maintenance due

214

1 2 3 4 5 6 7 **for maintenance** **under** ABNORMAL conditions

(ii) Area above the ground **1** level extending vertically 8m above the source of hazards and

horizontally 16m in all directions from such source. Beyond 8m from the source of hazard in the horizontal plane, the vertical extent of the hazardous area may be reduced to 8m above the ground level.

(iii) Where large release of volatile products may occur, the area in the horizontal plane beyond 16m up to 32m from the source of hazard, extending vertically upto 60cm above the ground level in all directions.

215

1 2 3 4 5 6 7

1.3 Releases inflammable (i) Pits, sumps, trenches products under below the floor or ground NORMAL conditions level within hazardous or normally requires area (zone)

Frequent opening for maintenance

(ii) Area above the ground level extending vertically 8m above the source of hazards and horizontally 16m in all directions from such source. Beyond 8m from the source of hazard in the horizontal plane, the vertical extent of the hazardous area may be reduced to 8m above the ground level.

(iii) Where large release of volatile products may occur, the area in the horizontal plane up to

216

16m beyond the hazardous

area zone1,

1 2 3 4 5 6 7

extending vertically upto 60cm above the ground level in all directions.

1.4 Plant, Equipment Well- Lighter than air, Releases inflammable (a) With in the shed.- 2 Process Vessels ventilated inflammable gases. products under (i) Entire shed above the sheds. ABNORMAL level of the lowest opening conditions or requires in the

side wall. to be opened  
up for maintenance

ABNORMAL  
conditions

(ii) Area above the ground 2  
level or a level 4.5m  
below the source of hazards, whichever  
is higher, extending vertically up to  
the level of the lowest  
opening in the side wall  
of the shed and  
horizontally 4.5m from such  
source in all directions.

(b) Outside the shed :- 2  
Area above the roof of  
the shed extending  
217

vertically 8m above each  
1 2 3 4 5 6 7  
opening in the roof  
and horizontally  
4.5m from such  
source in all  
directions.

1.5 Plant, Equipment Inadequately Lighter than air, Releases inflammable (a) With in the shed.- 2  
Process Vessels ventilated inflammable gases. products under (i) Entire shed above the  
sheds. ABNORMAL level of the lowest opening  
conditions or requires in the  
side wall. to be opened up  
for maintenance (ii) Area above ground ABNORMAL  
level or a level conditions.

4.5m. below the source of  
hazards, whichever is higher, extending  
vertically up to the level of the  
lowest opening in the side  
wall of the shed and  
horizontally 4.5m from such  
source in all directions.

(b) Outside the shed :-  
2 Area above the lowest  
in the side walls of  
shed extending vertically  
218

4.5m above the roof and  
1 2 3 4 5 6 7  
horizontally 3mtrs.  
from the side wall

1.6 Plant, Equipment Inadequately inflammable liquids, Releases inflammable (a) With in the  
shed.- 1

Process Vessels ventilated above its flash-point products under (i) Entire area with in shed  
sheds. or inflammable ABNORMAL including pits, sumps and  
vapour or gas conditions or requires  
trenches. heavier than  
air to be opened up  
for maintenance  
ABNORMAL conditions.

(b) Outside the shed :-  
2 Area extending vertically

3m above roof and horizontally

3m beyond shed or 16 meters from the source of hazard whichever is farthest.

Beyond 3meters from the shed or 8 meters from the source of hazard, whichever is farthest, in the horizontal plane, 219

the vertical extent of the hazardous area may be reduced to 8m above the ground level.

1 2 3 4 5 6 7

Pits, sumps, trenches 1 below the ground level within zone 2 area (zone).

Where large release - of inflammable products occur-

Area with in 2

16cm of the zone area additional extending vertically up to 60 cm above the ground level.

Releases inflammable i Entire shed 1 vapours under

NORMAL conditions ii. Taking the top most 1 or Normally requires opening in the shed as a opening frequently the source of hazard, the for maintenance. area extending vertically 8m above such source & horizontally 16m in all directions from the 220

source. Beyond 8m from the source of hazard 1 2 3 4 5 6 7

in the horizontal plane, the vertical extent of the hazardous area may be reduced to 8m above the ground level.

iii. Pits sumps, trenches, 1 within hazardous area.

(iv) Where large release 1 of volatile products may (Additional ) occur, the area within 16meters of the zone1 area extending vertically upto 60cm above the ground level.

1.7 Enclosed premises Within No flammable In case of failure of Entire enclosed premises Safe

with purging system. a hazardous products handled in the purging system,  
Air intake of fresh of area (any the enclosed electric supply is  
the air purging zone ) premises. automatically cut off  
system not less or a warning is  
than 1.5 meters automatically given to  
above the hazardous a person in attendance.

area (any zone),

221

1 2 3 4 5 6 7

1.8 Enclosed premises a. Entire shed.

without purging -ditto- -ditto- -ditto system,  
electric

b. Outside the shed. As specified  
in the case of for inadequate  
quately

ventilated shed ventilated

sheds

1.9 Pipeline with well Well-venti- Any inflammable Releases inflammable (i) Pits below or within 3  
1

maintained valves, lated situ- liquid above its flash products under metre of the facility.

metres, fittings. ations or in point or any ABNORMAL ii) Area within 3m of 2

a pit outside inflammable vapour conditions or requires pipeline fittings, valves,  
hazardous or gas. to be opened metres, in all directions.

area (any up for maintenance

zone) due to ABNORMAL

conditions.

1.10 Tanks, above Open air Any inflammable liquid -ditto- i) Above the floating 1  
ground (floating above its flash points roof, within the shell.

Roof) ii) Within 3m of the shell 2

iii) Space within the tank

222

enclosure up to top level

of the enclosure wall.

1 2 3 4 5 6 7

1.11 Tanks, above Open air Any inflammable Releases inflammable i) Within 1.5m of the vent 1  
ground (cone liquid above its flash products under openings

Roof) point. ABNORMAL ii) Within 3m of the 2

conditions or requires tank

shell, ends or roof to be opened up for of the

tank maintenance

due iii) Space within tank 2 to

ABNORMAL enclosure up to top level conditions.

of the enclosure wall.

1.12 Pumps, withdrawals i. In an open Inflammable liquid -ditto- Entire Enclosure 1  
fittings. enclosure or gases

ii. In a plat- -ditto- -ditto- Within 1.5m of the edge 2

form in the of the platform in all

open or in a directions extending

shed without Vertically from the ground

walls. level up to 1.5metres above

the top of pumps/withdrawal

fittings.

iii. Within a well -ditto- -ditto- (i) Pits, sumps, trenches 1

ventilated pump below the floor or ground

223

house. level within hazardous

area (any zone).

(ii) Area above the ground

level extending vertically  
8m. above the source of  
hazards and horizontally  
1 2 3 4 5 6 7

16m in all directions from  
such source. Beyond 8m.  
from the source of hazard  
in the horizontal plane, the  
vertical extent of the  
hazardous area

may be reduced to 8m  
above the ground level.

(iii) Where large release  
1 of volatile products may  
Additional occur, the area in the  
horizontal plane beyond  
16m up to 32m from  
the source of hazard,  
extending vertically upto  
90m above the ground  
level.

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224

226

#### **FOURTH SCHEDULE CONTINUED**

**(See rule 105)**

B. Extent of hazardous area in installation conforming to condition 10(a) of Licence in Form XV and storage sheds.

#### **Location Classification Extent of Classified area of the area**

**1 2 3 4**

1. Tanks above ground: 2 Within 3 metres form shell.

(a) shell, ends or roof ends or roof of tank Area  
and enclosed area inside the enclosure up to top  
level of enclosure wall.

(b) Vent 1 Within 1.5 metres of open end of  
vent extending in all directions.

(c) Floating roof 1 Above the roof and within the  
shell.

2. Tanks underground Fill Pipe 1 Any pit, box or space below  
grade level, any part of which is

227

within zone 1 or zone 2 area.

2 Up to 45 cms. above grades level  
within a horizontal radius of 3 metres  
from a loose fill connection and within  
a horizontal radius of 1.5 metres from  
a tight fill connection.

Vent discharging upward 1 Within 90 cms. or of open end of vent  
extending in all directions.

2 Area between 90 cms. and 1.5 metres  
or of open end of vertical directions.

3. Pits sumps (below grade level)

a) Without mechanical 1 Entire area within pit/sump if  
ventilation any part is within zone 1 or 2 area

b) With mechanical 2 Entire area within pit/sump if ventilation any part is within zone 1 or 2 area.

c) Containing valves, 2 Entire pit/sumps filling piping and not within zone 1 or 2 area.

4. Pumps, bleeders withdrawal fitting, metres and similar devices:  
228

a) indoor 1 Pits sumps or trenches below floor level within zone 2 area.

2 Within 1.5 metres of any edge of such devices extending in all directions. Also 90 cms. above grade level or floor level exceeding up to 7.5 metres horizontally from any edge of such devices.

b) Outdoor 1 Pits sumps or trenches below platform or ground level within zone 2 area.

2 Within 90 cms of any edge of such devices extending in all directions. Also 45 cms. above grade level within 3 metres horizontally from any edge of such devices.

5. Tank Vehicle 1 Pits sumps or trenches below within zone 2 area.

a) Bottom loading or 2 Within 90 cms of point of unloading connection extending in all directions. Also up to 45 cms. above grade level within a horizontal radius of 3 metres from any point of connection.  
229

b) Loading from top 1 Within 90 cms of open end with atmospheric of vent extending in all venting directions.

2. Area between 90 cms. and 1.5 metres from open end of vent extending in all directions. Area within 90 cms. of the edge of connection extending in all directions.

c) Loading from top 2 Within 90 cms of point of with vapour recovery connection of fill pipe and vapour recovery pipe, extending in all directions.

6. Container filling: 1 Pits sumps or trenches below within zone 1 or 2 area.

a) Outer in a shed 1 Within 90 cms of and fill opening without wall of the container extending in all directions.

2 Area between 90 cms. and 1.5 metres from fill/vent opening of the container extending in all directions. Also up to 45 cms. above floor/or grade level within a horizontal radius of 3 metres from vent/fill opening or

within the filling enclosure,  
whichever is higher.

230

b) Indoor in a storage/ 1 Whole of the interior of the filling shed well shed.

ventilated near 1 Pits sumps or trenches below roof and floor level and within zone 1 or 2 area. situated in open area

2 Area within the cone formed by joining the top vent level of the shed to a point 2.5 metres outside the shed in all directions.

7. Storage and repair garages 1 All sumps or spaces below floor for tank vehicles level.

2 Area above 45 cms. Above floor or grade level of entire storage/repair garages.

8. Drainage, ditches, 1 Area up to 45 cms above ditch separators, separators or basin. compounding basis in

2 Also up to 45 cms above grade level within 4.5 metres horizontally from any edge.

9. Container Storage 3 As in 6(b)

10. Garages for ordinary If there is any opening to vehicles, ordinary these rooms within the

231

office, Rest Room extent of an indoor or outdoor classified area, the facility shall be classified as if the wall, curb or partition separating the classified area did not exist.

C. Extent of hazardous area in service station.

Location of hazard Classification Extent of hazardous area of the area

1 2 3 4

1. Underground tank

a) Filling point 1 Any pit, sump, box or space grade level, any part of which is within zone 1 or zone 2 hazardous area. Upto 45 cms. above grade level within horizontal radius of 3 metres from the filling point.

b) Vent 1 Within 90 cms. of open end of vent extending in all directions.

2. Area between 90 cms. And 1.5 mtrs of open end of vent extending in all directions

2. Dispensing pump or unit

232

a) Pits/Sumps 1 Any pit, sump or box below grade level any part of which is within zone 1 or zone 2 hazardous area.

b) Pump cabinet or 1 The area 1.2 metres vertically above dispenser enclosure the base within the cabinet enclosure and 45 cms. horizontally in all directions.

c) Outdoor 2 The area between 45cm and 6 metres

of the cabinet/enclosure extending 45 cms. vertically above the grade level.

d) Indoor with 2 -dittomechanical ventilation

e) Indoor with normal 2 The area 45 metres and 7.5 (gravity)ventilation metres of the cabinet/enclosure extending 45 cms. vertically above the grade level.

3. Remote pumps (Outdoor) 1 Any pit, box or space below grade level of any part within a horizontal distance of 3 metres from the edge of the pump.

2 Within 90 cms. of any edge of pumps, extending in all direction. Also up to 45 metres above floor or grade 233

level within 7.5 metres horizontally from any edge of pump.

4. Remote pumps (Indoor) 1 Entire area within any pit.

2 Within 1.5 metres of any edge of pump, extending in all directions.

Also up to 90 metres above floor or ground level within 7.5 metres horizontally from any edge of pump.

5. Lubrication/service room 1 Entire area within a pit.

2 Area up to 45 cms above floor or grade level within entire lubrication/ service room.

6. Storage bin or enclosure for 1 Entire bin or enclosure Class A or Class B Petroleum

7. Sales, Storage and Rest room ordinary If there is any opening to these rooms within the extent of a zone 1 or zone 2 area the entire room shall be classified as zone 1.

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234

## **FIFTH SCHEDULE**

**(See rule 193)**

### **Methods of testing viscous or solid Forms of petroleum**

If the sample of petroleum to be tested is viscous or solid or contains sediments or thickening ingredients, such petroleum shall be tested in the ABEL apparatus in the following manner :-

The solid mixture must be cut into cylinders 38.1mm in diameter by means of a cork borer or other similar cutter having the correct internal diameter. These cylinders are to be placed in the petroleum cup of the testing apparatus in a vertical position in such number as will completely fill the cup. The cylinders must be in contact with one another but must not be so tightly packed and so be deformed in shape.

Five or six of the cylinders in the centre of the cup must be shortened to 127 mm to allow space for the thermometer bulb.

The petroleum which is viscous or contains sediments or thickening ingredient shall be filled in the petroleum cup of the testing apparatus in a vertical position so that it completely fills the cup.

The air bath of the testing apparatus must be filled to a depth of 38.1mm with water.

The water bath must then be raised to, and maintained at temperature of about 800F.

The cup must then be placed in the air bath, and temperature of the sample must be allowed to rise until the thermometer in the oil –cup show 750F then test flame must be applied.

If no flash is obtained, this temperature must be maintained constant in the oil-cup

for one hour at the expiration of which time the test flame must again be applied.

235

If a flash is obtained, the solid mixture will be subject to the provisions of the Petroleum Act, 1934.

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236

## **FIRST SCHEDULE**

### **Article**

**1.**

#### **Form of**

#### **Licence**

**2.**

#### **Purpose for which**

#### **Granted**

**3.**

#### **Authority empowered**

#### **to grant licence**

**4.**

#### **Fee**

**5.**

1. III To carry petroleum in bulk by water

An Officer

appointed by the

Central Govt.

For Ship or other Rs. 5000 for

Vessels not exceeding 100 tonnes year or part thereof

Gross tonnage reof from the

date of issue.

For every Rs. 1000

Additional 50

Tonnes gross

tonnage or

fraction thereof.

2. XI To carry petroleum by

land on mechanically

propelled vehicles

Controller Rs. 500 for every Calendar year or

part thereof

3. XII To import and store

petroleum Class A in

quantity not exceeding

300 litres

District Authority Rs. 200 for every Calendar year or

part thereof.

4. XIII To import and store

petroleum Class B otherwise

than in bulk in

quantity not exceeding

25000 litres

District Authority Rs. 20 for every 1000 litres or part

thereof for calendar year.

5. XIV To store petroleum in tank

or tanks

Controller For each class of petroleum Rs. 1000

for the first 50 KL plus Rs. 15 for

every additional KL or part thereof,

for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

6. XV To import and store petroleum in an installation

Chief Controller or a Controller authorised in this behalf by the Chief Controller

For each class of petroleum Rs. 1000 for the first 50 KL plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

7. XVI To import and store other wise than in bulk (a)

Petroleum Class A in quantities exceeding 300 litres (b) Petroleum Class B in quantities exceeding 25000 litres (c) Petroleum Class C in quantities exceeding 45000 litres or (d) partly one class and partly two classes of petroleum

Controller For each class of petroleum Rs. 1000 for the first 50 KI plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

237

8. XVII To store petroleum Class

A temporarily in quantities not exceeding 50000 litres for fuelling of aircrafts in connection with crop spraying work only.

Controller For each class of petroleum Rs. 1000 for the first 50 KI plus Rs. 15 for every additional KL or part thereof, for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

9. Special Form

To import and store petroleum class not provided for in Articles 3,4,5,6 and 7

Controller For each class of petroleum Rs. 1000 for the first 50 KI plus Rs. 15 for every additional KL or part thereof,

for every calendar year subject to a maximum of Rs. 15,000 per calendar year or part thereof.

10. XVIII To decant kerosene (petroleum class B) from mechanically propelled vehicle in containers)

Controller Rs. 200 for every Calendar year or part thereof.

11. XIX To transport petroleum Class A/B in bulk on land for on site refuelling of aircrafts, heavy vehicles/machinery &

Stationery equipments by a mechanically propelled vehicle Viz, Refueller

Controller Rs. 500 for every Calendar year or part thereof.