

Agricultural Pesticide Rules, 1973

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PART II

Statutory Notifications (S.R.O.)

GOVERNMENT OF PAKISTAN

MINISTRY OF FOOD AND AGRICULTURE

NOTIFICATION

Islamabad, the 8th August, 1973

S.R.O 1187(I)/73, - In exercise of the powers conferred by section 29 of the Agricultural Pesticides Ordinance, 1971, (II of 1971), The Federal Government, in consultation with the Agriculture Pesticide Technical Advisory Committee is please to make the following rules, the same having been previously published as required by sub-section (1) of the said section, namely:-

PART I- PRELIMINARY

1. **Short title and commencement.**-(1) These rules may be called the Agricultural Pesticides Rules, 1973.
 - (2) They shall come into force at once.
2. **Definitions.**- In these rules, unless there is anything repugnant in the subject or context:-
 - (a) "active ingredient" means an ingredient capable in itself of preventing, destroying, repelling or mitigating insects, fungi, rodents, weeds or other pests when used in the same manner and for the same purpose as those for which it is intended; but is not antagonistic to the activity of any other active ingredient in the same formulation;
 - (b) "Director" means the Plant Protection Advisor and Director Department of Plant Protection;
 - (c) "Form" means a Form appended to these rules;
 - (d) "Ordinance" means the Agriculture Pesticides Ordinance, 1971 (II of 1971); and
 - (e) "Section" means a section of the Ordinance.

PART II- REGISTRATION

3. **Application for registration of pesticides.**- An application for registration of a pesticide under sub-section (I) of section 5 shall be made to the Federal Government in Form 1.
4. **Registration of pesticides.**-(1) On receipt of an application for registration under rule 3, the Federal Government may send the application together with a sample of pesticide to the Pesticides Laboratory for test or analysis within one month from the receipt of sample to ascertain whether the same is in accordance with the information provided along with the application.

(2) On receipt of the result of the test or analysis under sub-rule (1), the Federal Government may forward the same to the Provincial Governments and Federal Agencies¹ to conduct, in direct association with the applicant for the registration of a pesticide, such biological test under field conditions as may be required, (provided that no biological test may be required in respect of the imported pesticides not having a trade name; and)²

(3) The Federal Government may, if it is satisfied that the sample is in accordance with the information:-

- a) On receipt of reports from more than one Provincial Government and a Federal Agency, where necessary, or a Provincial Government and a Federal Agency for two crop seasons from the date of the application; and
- b) Where the crop is grown exclusively in one Province, on receipt of reports for two crop seasons from the date of the application from the Government of that Province or a Federal Agency,³
- c) Where a product is intended to be used as a fumigant or grain protection, on receipt of more than one report of large scale trials from two Provincial Governments or from two Federal Agencies.⁴

*Under sub-rule (2), register brand of pesticide and grant the applicant a certificate of registration in Form 2 and assign to the certificate a registration number.*⁵

(4) A certificate of registration granted under sub-rule (3) shall apply only to the pesticide described in the application to which the certificate relates.

(5) With the approval of the Federal Government, an application for the registration of a pesticide may be amended before or after registration and the registration shall for the purpose of these rules, be deemed to relate to the application as amended.

(6) A certificate of registration shall be valid for a period of three years and may be renewed for a further period of three year at a time on an application made in this behalf in Form-3.

(7) A certificate of renewal of registration shall be in Form 4.

4A. Registration for manufacturing a Me-Too technical grade material⁶.— (1) Subject to sub-section (2) the Department of Plant Protection may grant provisional registration on Form-2A for manufacturing a Me-Too technical grade material after establishing the equivalency for a period of one year extendable on yearly basis for a period not exceeding three years.

(2) The provisional registration shall be for a period of six months, pending establishment of equivalence may be granted in case the applicant is the original manufacturer, a subsidiary or a joint venture with the original manufacture of the product which is currently registered and is being imported or used in Pakistan.

(3) The provisional registration holder shall be entitled to manufacture the basic technical grade material in a manufacturing plant, duly registered with the certified by the Department of Plant Protection, formulate and sell the formulated product only, provided that he has the valid registration for the relevant formulated product from Department of Plant Protection.

(4) The final registration of locally manufactured pesticides on Form-2B may be granted by the Department of Plant Protection after biological tests under field conditions or field test, as the case may be, as provided under sub-rule (2) and (3) of rule 4 and after approval of the Agricultural Pesticides Technical Advisory Committee. A manufacturer shall be entitled to sell the technical grade material to the registered formulators, after his final registration.

¹ SRO 1108(I)/85 dated 6.11.1985

² SRO 47(KE)/93 dated 15.03.93

³ SRO 1108(I)/85 dated 6.11.1985

⁴ Draft notification

⁵ Amended vide SRO 1108(I)/85 dated 6.11.1985

⁶ SRO 625(I)/2007 dated 20.6.2007

5. Rejection of application.- (1) If it appears to the Federal Government that the result of the test of analysis under sub-rules (2) and (3) of rule do not corroborate with the information supplied by the applicant or that the labels and containers intended to be used do not conform to the provisions of these rules, it may, within two crop seasons from the date of application, reject the application for registration and shall inform of the applicant of the reasons for the rejection and supply him with full particulars of the tests, if any applied.

(2) The rejection of an application for registration of pesticide shall, however not debar the applicant from making a fresh application for registration.

6. Fees.- (1) A non-refundable fee of twenty five thousand rupees shall be paid with each application for a certificate of registration of each formulation of a pesticide under sub-section (1) of section 5 of the Agricultural Pesticides Ordinance, 1971 read with the Agricultural Pesticides (Amendment) Act, 1992 and in non-refundable fee of five thousand rupees shall be paid for renewal of each such certificate under sub-section (1) of section 8 of the Agricultural Pesticides Ordinance, 1971⁷

(2) A non-refundable fee of twenty five thousand rupees shall be paid with each application for an import permission certificate of each formulation of pesticide under sub-section (1) of section 5 of the Agricultural Pesticides Ordinance, 1971 read with the Agricultural Pesticides (Amendment) Act, 1992.⁸

7. Copies of Certificate.- Copies of all certificates granted under rule 4 may be obtained from the Federal Government on payment of a fee of twenty rupees by the person on whose application it had been registered or his agent.

7A. Registration of manufacturing or formulation plants and repackaging or refilling units⁹.-(1) The manufacturing or formulation plant shall be registered with the Department of Plant Protection by making an application in the form as set out in Form 18 [and Form 20] and depositing a fee of twenty-five thousand rupees ***[as per guidelines issued by the Department of Plant Protection].

(2) The registration shall be renewed after three years on payment of a fee of ten thousand rupees. The renewal shall be subject to the satisfactory inspection report from the notified team of the Department of Plant Protection, Karachi.

(3) The repackaging or refilling units shall be registered with the Department of Plant Protection. An application for this purpose shall be submitted in the form as set out in Form 19 with a fee of fifteen thousand rupees.

(4) The registration shall be renewed after three years on payment of a fee of five thousand rupees. The renewal shall be subject to the satisfactory inspection report from the notified team of the Department of Plant Protection, Karachi.

(5) Certificates of Registration for the purposes of sub-rules (1) and (2) shall be issued by the Department of Plant Protection in the form as set out in Form 18A and [Form 19A and Form 20A] respectively.

8. Discontinuation of manufacture or formulation.- If the manufacture or formulation of any registered pesticide is discontinued, the manufacturer or formulator or his agent shall, within six months from the date of such discontinuance give notice of the fact to the Federal Government.

PART III - IMPORT

9. Import of pesticides.- (1) *Subject to rule 9A*, no pesticide, except for experimental purpose shall be imported into Pakistan unless it has been registered under rule 4.

(2) No pesticide shall be imported unless it complies strictly with the details given in the application for registration.

⁷ Amended vide SRO 1417(I)/96 dated 30.12.1996

⁸ Draft notification

⁹ SRO 1252(I)/2005 dated 16.12.2005

(3) No pesticide shall be imported unless it is packed and labeled in conformity with the rule in part V.

(4) No pesticide shall be imported unless the importer has proper facilities for storage of pesticides as laid down in the rules in part VI.

(5) Pesticides shall be imported only by a person¹⁰ -

a) to whom a certificate of registration is issued under rule 4; or

b) permitted import of pesticide under rule 9A,

c) *(who maintains an adequately qualified staff at the places where operations are carried out as per strength given for each province in the following namely:*

Province of Punjab at least 10 Agricultural Graduates

Province of Sindh at least 04 Agricultural Graduates

Province of NWFP at least 02 Agricultural Graduates

*Province of Balochistan at least 02 Agricultural Graduates)*¹¹

*d) who, in case of a company, has a minimum paid up capital of Rs. One million or, in case of an individual, has capital investment of Rs. 0.5 million",*¹²

and shall be supplied and distributed either by himself or his authorized distributor duly registered with the respective Provincial Government.

(6) On and from 15th of September, 2006, no pesticide shall be imported and cleared by the customs authorities unless it is accompanied by a pre-shipment inspection certificate issued by international pre-shipment inspection and survey agencies listed with the Department of Plant Protection.¹³

9A. Import of Pesticide not having a trade name¹⁴.- (1) All importers desirous to import any pesticide not having a trade name may apply to the Federal Government for permission to make such import in Form 16 along with following supporting documents, namely:-

a) the importer has necessary storage facilities which would be open to inspection by the Department of Plant Protection or by the concerned officials of the Provincial Governments;

b) the importer, not being a cooperative society or an individual user of pesticides, have necessary retail packing facilities; and

c) an undertaking that after the import of pesticides, details of such import and deliveries thereof made to various dealers shall be supplied to the Provincial Government under intimation to the Department of Plant Protection.

(2) Import of pesticides under section 4 may be allowed for initial period of three years or for such shorter period as the Federal Government may determine:

Provided that the Federal Government may disallow import of any pesticide forthwith on discovery of any adverse effect of a pesticide.

(3) The extension of the period to import pesticide specified in sub-rule (2) shall be subject to adverse free effects of such pesticide.

(4) The imports by cooperative societies and large consumers shall be for their own use, in accordance with their land holdings.

¹⁰ Sub-rule 9 (5) added under SRO 1199(I)/95 dated 26.12.95

¹¹ Sub-clause (c) substituted under SRO 790(I)/2005 dated 5.8.2005

¹² Sub-clause (d) added under SRO 21(I)/2004 dated 13.1.2004

¹³ Sub-rule 9 (6) added under SRO 792(I)/2006 dated 4.8.2006

¹⁴ Rule 9A added under SRO 47(KE)/93 dated 15.3.1993

(5) In the case of imports of pesticides registered in the country of manufacture and not registered under Form-1 or Form-16, in addition to the conditions specified in sub-rule (1) to sub-rule (4), the importers shall comply with the conditions specified in Form 17 and shall, for the purpose of verification of quality of pesticides, submit:-

- a) documentary proof of the pesticides' registration in the country of manufacture;
- b) *proof of use of the pesticide in any member country of the Organization for Economic Cooperation and Development (OECD) or China;*
- c) *documentary proof of the said pesticides' extensive use on relevant crop and its pests in the country of origin or any other country specified in clause (b).*

PART IV-MANUFACTURE, FORMULATION OR SALE ETC.

10. Conditions to be fulfilled after registration of a pesticide for manufacture and formulation.- A person who intends to manufacture or formulate a pesticide registered under rule 4 shall:-

- (a) provide and maintain an adequate qualified staff and adequate premises and plant for the proper manufacture or formulation and storage of pesticide in respect of which the certificate of registration has been granted and shall also maintain a laboratory suitable for carrying out quality control tests of the pesticides as may be specified by the Federal Government or the Provincial Government.
- (b) keep record of the details of manufacture or formulation of each batch of the pesticide which is issued for sale and of the application of the tests thereof;
- (c) allow any inspector, authorized by the Provincial Government in that behalf, to enter any premises where the manufacture or formulation is being carried on and to inspect the premises and the means employed for testing of pesticides:
- (d) from time to time, report to the Provincial Government any change in the expert staff responsible for the manufacture or formulation of the pesticide and any material alterations in the plant or premises used for that purpose:
- (e) observe the condition for the storage of pesticides as laid down in part VI of these rules;
- (f) provide such protective clothing as may be required to the workers and take all necessary precaution for their protection as may be specified by the Director; and
- (g) arrange medical check up of the workers as often as required or at least twice a year and provide free of cost medical treatment.

11. Condition to be fulfilled for the sale of a registered pesticide.- A person to whom a certificate for the sale of a registered pesticide has been granted shall-

- (a) maintain adequate number of properly qualified technical staff consisting of entomologists, plant pathologists and toxicologists having sufficient knowledge regarding the products, its use, storage transportation, packaging and safety measures;
- (b) maintain proper storage facilities for pesticides;
- (c) provide necessary training to the seller regarding safe storage, handling, safety measures and use of pesticides; and
- (d) keep the pesticide and the prescribed package.

11A. Licensing of dealers and vendors of pesticides¹⁵.- (1) No person shall store for sale or put on sale any pesticide unless he is duly licensed for this purpose.

¹⁵ SRO 36(KE)/90 dated 22.1.1990

(2) A person licensed as a dealer or vendor shall undertake in writing to maintain a ledger of sales of pesticides and record therein the names of buyers.

(3) The license shall only be issued to those who have been duly trained by the Federal Agencies, Provincial Governments or Pakistan Agricultural Pesticides Association in safe handling, storage, transportation and use of pesticides.

(4) Every application for license shall be made to the Federal Government in Form 12 which shall accompany with a fee of three hundred rupees.

(5) The license shall be issued by the Federal Government in Form 13 and a consolidated list of such licences will be maintained by the Federal Department of Plant Protection.

(6) A license granted under this rule shall be valid for a period of three years from the date of issue and may be renewed for a further period of three years at a time on an application made in this behalf in Form 14 which shall accompany with a renewal fee of three hundred rupees.

(7) The certificate of renewal of license shall be issued by the Federal Government in Form 15

(8) A license granted to a dealer shall liable to be cancelled if dealer / vendor is found guilty of malpractices involving adulteration, infringement of patent rights or any other activity repugnant to the Agricultural Pesticides Ordinance, 1971, and the rules made there under.

(9) The pesticides importers or firms shall register with the Provincial Government their dealers, agents and vendors of the pesticides imported by them and shall be responsible for their conduct.

(10) The dealers, agents and vendors referred to sub-rule (9) shall display certificates of dealership or sale of pesticides issued by the Provincial Government and the pesticide importers.¹⁶

PART V –PACKING, RE-PACKING, RE-FILLING AND LABELLING ETC.

12. Packing.- The container of pesticide shall be such as may be suitable for its storing and transportation and shall be of such material which does not deteriorate the pesticide at least for the period of guarantee.

12-A¹⁷ Packing, re-packing or re-filling of pesticides, etc. .- (1) the importers, manufacturers and formulators shall themselves undertake to supervise packing, re-packing, re-filling or labeling of pesticides, herbicides, weedicides, medicines and essential drugs for use in agriculture; manufactured or imported by them at their own duly registered plant with Director General, Department of Plant Protection, and as per laws, or at any other plant so registered, and is equipped with lab facilities also; under their strict supervision and affix labels containing, besides the information required under rule 14, the date of expiry, price, label the name, address and phone number of importer, manufacturer and formulator and pass on to the distributors, dealers or retailers, as the case may be, in the retail packing so packed, re-packed or re-filled;

Provided that the provisions of this rule shall not apply for a period of one year to the stocks of such pesticides, etc., already packed, re-packed or re-filled,

This provision would not apply to the imported consignment received or formulation made after the date of gazetted notification of this SRO.

(2) The importers, manufacturers, processors, formulators or re-filler as the case may be, shall certify that such pesticide, medicine, drug, herbicide or weedicide is not on the negative list in European Union, United States of America, China, Japan or Organization for Economic Cooperation for Development. In case of no such knowledge or information of being not on

¹⁶ Rule 9 & 10 added under SRO 1199(I)/95 dated 26.12.1995

¹⁷ SRO 21(I)/2004 dated 13.1.2004

negative list is available, a declaration to that effect shall be filed on letter-head of the importer, manufacturer or re-filler to the registration authorities,

(3) The distributor or retailer shall not accept any pesticide, herbicide, weedicide, medicine or essential drug for use in agriculture, if it is not properly packed or sealed or does not bear label containing the prescribed information,

(4) The importers, manufacturers, formulators, or distributors shall, along with the pesticides, etc. forward warranty as to their quality, *quantity and active ingredients, emulsifiers, stabilizer and solvents shown as weight by weight (w/w) and weight by volume (w/v) as the case may be, registered with the Department of Plant Protection.*¹⁸

13. Labeling.- No. person shall sell or distribute any pesticide unless it is registered and labeled in accordance with these rules.

14. Manner of labeling.- The following information shall be printed conspicuously, legibly and indelibly on the containers and every tag or label attached thereto, namely: -

- (a) name of the product
- (b) name and address of the manufacturer or formulator or the person in whose name the pesticide is registered.
- (c) net contents
- (d) registration number
- (e) date of manufacture/formulation
- (f) date of test
- (g) normal storage stability
- (h) the name and percentage by weight of active ingredient and total percentage by weight of other ingredients
- (i) the words "Meant For Agricultural Use Only"
- (j) warning or caution statements (the required signal word such as "Danger" "Warning" or "Caution" and the statement "Keep" out of reach of children) must appear on the front panel; and the front panel of the labeled pesticides must contain the following namely: -
 - (i) the word "POISON" in red on a contrasting back ground
 - (ii) the word "DANGER"
 - (iii) a picture of skull and cross-bones; and
 - (iv) a statement of antidote, including direction to call a physician immediately.
- (k) direction for use which are adequate to protect the public (optional on label) may appear on accompanying printed or graphic matter; and
- (l) direction to destroy empty containers and to bury them to the ground.

15. Information on container, etc. .- No information inconsistent with or, in any manner, not qualifying a guarantee shall be shown on any container tags or label.

15A. Procedure for display of pesticides advertisement¹⁹.- No advertisement for pesticides shall be displayed on electronic or print media unless it is approved by a sub-committee constituted for the purpose under sub-section (10) of section 12 of the Ordinance.

¹⁸ SRO 790(I)/2005 dated 5.8.2005

¹⁹ Rule 15A added under SRO 1199(I)/95 dated 26.12.1995

PART VI-STORAGE AND USE

16. Requirement in respect of the place of storage.- (1) The place where the pesticide is stored shall be suitably equipped, ventilated and soundly constructed and be kept clean and in a good state of maintenance. The storage place must be provided with the following notice on the door: -

“NO ENTRY FOR UNAUTHORIZED PERSONS, NAKED LIGHTS AND SMOKING PROHIBITED”

(2) When not in use, the entrance to the place of storage must be properly closed and clearly marked “PESTICIDES” and shall bear a picture of skull and cross-bones of at least three inches in length.

(3) The electrical installations must be sound in view of the chemical substances.

(4) Necessary installations and precautions against fire hazards shall be provided.

17. Requirements regarding empty packages and pesticide remains.- (1) The destruction and removal of the empty packages and pesticide remains shall be affected in such a way that sources of water supply are not contaminated.

(2) The uncleaned packages shall be destroyed in a way as to preclude the possibility of their being reused for any purpose other than as base material.

18. Requirement relating to use.- (1) The premises in which pesticides are stored or empty packages and pesticide remains are removed or destroyed shall have the –

(a) washing facilities with water, soap and towel;

(b) in case of danger of poisoning or affection of the skin, suitable protective clothing and masks to be worn by the workers.

(2) Persons engaged in spraying pesticides shall use the protective clothing and masks specified in sub-rule (1) as and when required.

PART VII-AGRICULTURE PESTICIDE TECHNICAL ADVISORY COMMITTEE

19. Functions of the Agriculture Pesticide Technical Advisory Committee.- The following shall be the functions of the Agriculture Pesticide Technical Advisory Committee, namely: -

(a) a study of the working of these rules with a view to recommending to the Federal Government any amendments that may be necessary therein;

(b) registration of pesticides; and

(c) approval of specification of technical grades of registered pesticides for local procurement or import.

PART VIII –PESTICIDE LABORATORY

20. Functions of Pesticide Laboratory.- The following shall be the functions of the Pesticide Laboratory, namely: -

(a) to analyze and test such samples of pesticides as may be sent to it under the Ordinance and these rules; and

(b) to carry out such other duties as may be entrusted to it by the Federal Government or a Provincial Government.

21. Despatch of samples for test or analysis in the Pesticide Laboratory.- (1) Samples of pesticides for test or analysis in the Pesticide Laboratory should be sent by registered post in sealed packet, together with a Memorandum in Form 5, in an outer cover addressed to the Director.

(2) The packet as well as the outer cover shall be marked with a distinguishing number.

(3) A copy of the Memorandum in Form 5 and a specimen impression of the seal used to seal the packet shall be sent separately by registered post to the Director.

22. Recording of conditions of seals.- On receipt of the packet, it shall be opened by an officer authorized in writing in that behalf by the Director who shall record the condition of the seals on the packet.

23. Report of result of test or analysis.- (1) After test or analysis the report of the result of test or analysis together with full particulars of the test applied shall be supplied forthwith to the sender in Form 6.

(2) The report of the test or analysis shall be signed by the Director or an officer authorized by him.

24. Access to information.- No person other than an officer of the Pesticide Laboratory authorized in writing by the Director shall have access to the information deposited in the Laboratory.

25. Destruction of information.- The formula deposited in the Pesticide Laboratory shall be destroyed by the Director -

(a) if the application for registration is rejected, or

(b) if the certificate of registration is cancelled.

26. Disclosure of information.- No person on the staff of the Pesticides Laboratory shall disclose to any person not on the staff of the Laboratory any information relating to the composition of a particular pesticide acquired the course of his duties in the Laboratory.

Provided that the Director or any officer authorized by him in this behalf may, with the previous sanction of the Federal Government, disclose any information so acquired to the extent necessary for the purposes of a prosecution under the Ordinance.

PART IX –GOVERNMENT ANALYST AND INSPECTORS

27. Qualifications of Government Analyst.- No person shall be appointed to be a Government Analyst for pesticides unless he possess a Master's Degree in Chemistry or Entomology or toxicology or plant pathology or Plant Protection and has at least five years experience in the analysis of pesticides.

28. Duties of Government Analyst.- The Government Analyst for pesticides shall analyse or test or cause to be analyzed or tested such samples of pesticides as may be sent to him by Inspectors under sub-section (2) of section 17 or other persons under section 20 and furnish reports of the results of test or analysis in accordance with these rules.

29. Procedure on receipt of sample.- (1) On receipt of a package from an Inspector containing a sample of pesticide for test or analysis under the rule 36 the Government Analyst shall compare the seals on the packet with the specimen impression received separately and shall note the condition of the seals on the package.

(2) After the test or analysis has been completed, the Government Analyst shall forthwith supply to the Inspector a report in triplicate in Form 7 of the result of the test or analysis, together with full details of the test methods applied.

30. Report of results of test or analysis.- An application from a purchaser for test or analysis of pesticide under section 20 shall be made in Form 8 and the report of the test or analysis of the pesticide made on such application shall be supplied to the applicant in Form 9.

31. Fees.- The fees for the test or analysis of a pesticide under section 20 shall be those as are specified in schedule I to these rules.

32. Duties of Inspectors.- Subject to the provisions of section 16 of these rules, an Inspector may, within the local limits of the area for which he is appointed.-

- (a) inspect any premises wherein any pesticide is being manufactured or formulated, the means employed for quality control and testing of pesticides and all records and registers relating thereto;
- (b) inspect any premises wherein any pesticide is being sold or stocked or exhibited for sale or is being distributed, the storage arrangements and all relevant records and registers relating thereto ;
- (c) take samples of any pesticide which is being manufactured or formulated or being sold or is stocked or exhibited for sale or is being distributed and forward them for test or analysis in accordance with these rules provided that a sample shall not exceed two pounds (one kilogram) in quantity;
- (d) enter and search, at all reasonable times, with such assistance, if any, as he considers necessary, any building vessel or place, in which he has reason to believe from personal knowledge or from information given by any person and taken down in writing that an offence under the Ordinance or these rules has been or is being committed;
- (e) seize such pesticide and all materials used in the manufacture thereof and all other articles including registers, cash memos, invoices, bills which he has reason to believe may furnish evidence of the commission of an offence punishable under the Ordinance or these rules.

33. Form of intimation of purpose of taking samples.- Where an inspector takes a sample of a pesticide for the purpose of test or analysis, he shall intimate such purpose in writing in Form 10 to the person from whom he takes it.

34. Prohibition of disclosure of information.- Except for the purpose of official business or when required by a court of law, an Inspector shall not, without the sanction in writing of his official superior, disclose to any person any information required by him in the course of his official duties.

35. Form of receipt for seized pesticide.- A receipt by an Inspector for the stock of any pesticide seized under sub-section (1) of section 24 shall be in Form 11.

36. Procedure for despatch of samples of pesticide to Government Analyst.- (1) The portion of the sample or the container to be sent by an Inspector to the Government Analyst for test or analysis under the Ordinance shall be sent by registered post or by hand in a sealed packet together with a memorandum in Form 10 in an outer cover addressed to the Government Analyst.

(2) A copy of the memorandum and a specimen impression of the seal used to seal the packet shall be sent to the Government Analyst separately by registered post or by hand.

PART X-PESTICIDES AND THEIR ANTIDOTES

37. Nomenclature of pests.- The insect pests of various crops, plant diseases of weeds and other animal pests infesting agriculture crops, the scientific and common names of which are set out in schedule II, III and IV, respectively, to these rules, shall be deemed to be insects, fungi and other plant or animal pests within the meaning of the Ordinance and these rules.

38. Pesticide to be labelled poison.- The pesticides set out in schedule V to these rules shall be labelled "Poison".

39. Symptoms of poisoning, first aid and antidotes of pesticides.- The symptoms of poisoning from various pesticides, first-aid that should be given and the antidotes of each such pesticides are set out in schedule VI to these rules.

PART XI –SAFETY PRECAUTIONS

40. Standard precautions.- The following precautions shall be observed while working with any kind of pesticides, namely: - (1) read the “label” carefully, especially the safety precautions before handling any pesticide;

(2) do not eat, drink or smoke;

(3) when opening the container or while transferring, diluting or mixing pesticides, wear protective gloves, overalls, respirators, goggles as the case may be;

(4) wash hands and exposed skin before drinking or smoking;

(5) avoid working in the pesticide mist or drift;

(6) avoid breathing pesticides;

(7) avoid contact with skin, eyes and mouth;

(8) avoid contaminating clothing;

(9) avoid spilling and splashing;

(10) wash and flush off pesticide from skins and eyes immediately;

(11) remove heavily contaminated clothing and footwear immediately; and

(12) wash thoroughly protective clothing, gloves, etc. immediately after use.

41. Safety precautions for the health of workers.- Every employer shall observe the following precautions against poisoning by pesticides, namely:- (i) not to employ a worker aged below 18 and over 60 years for working with pesticides;

(ii) to ensure that workers are thoroughly trained in the precautions to be observed and are being adequately supervised qualified supervisors;

(iii) not to permit a worker on job unless he is using standard protective clothings or devices or those otherwise prescribed for the specific product being handled by him;

(iv) to provide workers with the prescribed protective clothing and respirators or dust filters with adequate number of replacement filters;

(v) to provide soap, clean towels, clean water in quantities to be sufficient for all the workers likely to use them and must be sited near but outside the area where it is likely to be contaminated with the pesticide being handled by them. Such water, if not on tap, must be marked as “for personal washing only”;

(vi) to provide accommodation which must be properly ventilated and must be suitable to prevent the contamination of workers’ personal clothing not worn during working hours;

(vii) to provide drinking water and vessels and ensure that workers’ food and drinks are not contaminated by the pesticides;

(viii) to ensure that a worker does not eat, drink or smoke unless he has removed all of his protective clothing except overalls and boots, and has washed his hands and face and has left the area of work;

(ix) to make available water in sufficient quantities and containers in which to wash the protective clothings;

(x) to ensure that protective devices such as rubber gloves are washed from inside and outside and respirators and dust masks are cleaned and ventilated at the end of each day’s work;

(xi) to ensure that unless badly stained or thoroughly soiled or drenched by pesticides, which require immediate washing, the overalls and boots are washed at least once a week;

(xii) Keep a record containing:-

- a) name and address of every worker;
- b) number of hours each worker spends each day on job;
- c) the pesticides used;
- d) any case of suspected illness or unexplained absence from work after using the pesticides;

(xiii) to give to the worker, who leaves his employment, a copy of particulars specified in clause (xii) during at least six previous months;

(xiv) to ensure that a worker does not blow, suck or put his mouth to a jet, sprinkler, nozzle or soil applicator or machinery of whatever description that has been used with pesticides.

(xv) to ensure that the packing, re-packing or re-filling unit and the stores are situated away from the populated area, preferably in an industrial area, and are properly ventilated;

(xvi) to make necessary arrangements for prevention of spillage and disposal of waste;

(xvii) to provide re-filling line, preferably automatic with protective measures; and

(xviii) to keep reference sample of each batch, product data sheet and inventory available in the office and forward data sheet with the product during transportation.²⁰

PART XII-METHOD TO BE FOLLOWED BY PESTICIDE LABORATORY

42. Analytical method.- The Pesticide Laboratory shall follow the following methods, in the order as they are given, for the formulation and residue analysis of pesticides, namely:- (1) Methods of Association of Official Agricultural Chemists (AOAC) of USA

(2) Methods of Collaborate International Pesticides Analytical Council (CIPAC)

(3) Methods of formulation panel of the Pesticide Analytical Committee (PAC) of the Ministry of Agriculture, Fisheries and Food, UK.

(4) Methods of WHO Specifications of Pesticides

(5) Methods published in the periodicals from time to time

(6) Methods of Federal Drugs Administrations (FDA) of USA

(7) Methods given by the firm

43. Limit of variability to be allowed.- The Pesticide Laboratory shall follow the limit of variability to be allowed in the analytical results, that is, tolerance in the contents of active ingredients in pesticides consignments in the light of Appendix V to the "Manual on the use of FAO Specifications for Plant Protection Products".

²⁰ Clause 15 to 18 added under SRO 21(I)/2004 dated 13th January, 2004

FORM 1

[See Rule 3]

APPLICATION FOR REGISTRATION OF PESTICIDES

(to be rendered in triplicate)

- (1) Name and address of manufacturer / formulator / seller / importer / distributor / stockist applying for registration.
- (2) Proprietary / trade / common name and various formulations of the pesticide under which it is proposed to be sold.
- (3) Common and chemical name and structural formula of active ingredient.
- (4) Full details of the chemical and physical properties of the active ingredient and the methods used by the manufacturer to determine the content of the active ingredient contained in the product (the accuracy of the method of determination should be stated)
- (5) Name and percentage by weight of active ingredient and total percentage by weight of other ingredients.
- (6) Details of:-
 - i) Physical properties
 - ii) Chemical properties
 - iii) Biological performance supported by field trial data in Pakistan and abroad.
 - iv) Method of application.
 - v) Stability
 - vi) Phytotoxicity
 - vii) Compatability
 - viii) Type and size of containers
- (7) Use recommendation / direction for use
- (8) Recommended precautions and antidotes
- (9) Toxicology
- (10) Effect on various metals

I do hereby apply for registration of the pesticide particulars of which are given above and do hereby certify that these particulars are to the best of my knowledge, true and correct.

Date

Signature of the applicant

FORM 2

(for official use only)

No.....

CERTIFICATE OF REGISTRATION

- (a) Certified that the pesticide has been registered in the name of the under taking whose particulars are specified below:-
 - i) Name of the undertaking:
 - ii) Address:
 - iii) Registration No:
 - iv) Name of the pesticide (Brand, Trade, Common name of the pesticide, details regarding its composition etc)
- (b) Approve of the labels, Copies of which are to be used in connection with the said brand of pesticide.

Signature of Registering Officer

Seal

Department

Dated:

FORM 2A²¹

[See rule 4A (1)]

**CERTIFICATE OF PROVISIONAL REGISTRATION OF LOCALLY MANUFACTURED
PESTICIDE TECHNICAL (ME-TOO PRODUCT)**

Name of Manufacturer / Undertaking

Address

Registration No.

Date of issue

Valid up to

Name of Pesticide (Technical / Formulation)

Pesticide formulation approved for use

Note.-Detail TORs on the reverse page.

Adviser and Director General

DPP Stamp

²¹ SRO 625(I)/2007 dated 20.6.2007

FORM 2B²²

[See rule 4A(4)]

**CERTIFICATE OF REGISTRATION OF LOCALLY MANUFACTURED PESTICIDE TECHNICAL
(ME-TOO PRODUCT)**

Name of Manufacturere / Undertaking :
Address :
Registration No. :
Date of issue :
Valid up to :
Name of Pesticide (Technical / Formulation) :
Pesticide formulation approved for use :

Note.- Detail TORs on the reverse page

Adviser and Director General

DPP Stamp

²² SRO 625(I)/2007 dated 20.6.2007

FORM 3

{(See rule 4(6))}

**APPLICATION FOR RENEWAL OF A CERTIFICATE OF REGISTRATION
OF PESTICIDES**

(to be rendered in triplicate)

1. Name of Applicant
2. Address Applicant
3. Descriptive name of brand.
4. Previous Registration No.
5. Changes, if any, made since the original Registration.

I hereby apply for the renewal of a certificate of registration in terms of section 8 of the Agricultural Pesticides Ordinance, 1971 (II or 1971) of which the particular are given above and I do hereby certify that no changes have been made since original registration, except as indicated above.

Dated:

Signature of the Applicant.

FORM 4

[See rule 4(7)]

No.....

CERTIFICATE OF RENEWAL OF REGISTRATION OF PESTICIDES

I do hereby:-

- (a) Certify that the pesticide (name of pesticide) referred to in application No..... has been renewed for registration No..... and
- (b) Certify that the following changes from the original Registration have been accepted.

Date:

Signature of Registration Officer.

FORM 5

(See rule 21)

MEMORANDUM

I do hereby certify that accompanying is a sample of pesticide taken by me on at (Specify full address) from stock in charge of (state name and address of importers / stockist / manufacturer / seller / formulator) In the presence of (state name and address of witness).

The following further particulars are given in connection with the sample:-

1. Name of pesticide.
2. Marks or number on sample.
3. Information given on container from which sample was taken.
4. Approximate quantity of pesticide represented by sample.
5. Other particulars.

Signature of Witness

Signature of Inspector.

Place:

Date:

Note:- A copy of this memorandum shall be handed over or forwarded to the owner of the pesticide or to his agent. A copy shall be retained by the Inspector.

FORM 6

(See rule 23)

REPORT OF TEST OR ANALYSIS BY PESTICIDE LABORATORY

It is hereby certified:-

- (1) that on the sample of was received from
in the Pesticide Laboratory, Karachi for test and / or analysis.
- (2) that the sample was labeled, sealed and marked..... and
- (3) that the sample was tested and /or analyzed and found that (specify details of the
results of test and / or analysis)

Signature of Director

Date.....

Pesticide Laboratory

FORM 7

[See rule 29]

REPORT OF RESULT OF ANALYSIS OF LIST OF TEST OF SAMPLE OF PESTICIDE BY
GOVERNMENT ANALYST.

1 (Full name a duly appointed
Government Analyst, in terms of section 14 of the Agricultural pesticides Ordinance, 1971,
do hereby make oath and state.....

(1) that on I received a sample of from
for analysis and /or test.

(2) That the sample was labeled, sealed and market.....

1) That I have analyzed and/or tested the sample and found that (specify details of
results of analysis and / or rest)

Signature of Government Analysis

Dated.....

FORM 8

(See rule 30)

APPLICATION FOR THE TESTING OF A PESTICIDE BY THE PURCHASER

(to be submitted in triplicate)

1. Name of applicant.
2. Address of applicant.
3. Name of pesticide.
4. Name of the manufacturer / formulation / vendor.
5. Registration No.
6. Requirement of tests.
7. Specification limit

I do hereby apply for the testing in terms of sec. 20 of the Agricultural Pesticide Ordinance, 1971, of the Pesticide of which particulars are given above.

A fee of Rs. is being submitted herewith as per Schedule 1.

Signature of the applicant.

Dated.....

FORM 9

[See rule 30]

REPORT OF TEST OR ANALYSIS FOR PURCHASER

1. Name of person from whom sample received
2. Date of receipt
3. Name of pesticide
4. Percentage of active ingredient
5. Opinion of the Government Analyst:

The sample referred to above is/is not of standard quality as specified.

Date

Signature of the applicant

FORM 10

[See rule 33]

INTIMATION TO PERSON FROM WHOM SAMPLE OF PESTICIDES IS TAKEN

To,

I have this day taken from the premises of situated at

Samples of the pesticides specified below for the purpose of test or analysis.

Date

Signature of the applicant

FORM 11

[See rule 35]

**RECEIPT OF STOCK OF PESTICIDES SEIZED UNDER SECTION 24 OF
THE AGRITURAL PESTICIDES ORDINANCE, 1971**

The stock of pesticides detailed below has this day been seized by me under the provision of section 22(i) of the Agricultural Pesticides Ordinance, 1971 from the premises of situated at.....

Details of pesticides seized giving full inventory of the confiscated material with quantity of each.

Date

Signature of the applicant

FORM 12²³

{ See rule 11 A(4)}

APPLICATION FOR REGISTRATION AS DEALER / VENDOR OF THE
AGRICULTURAL PESTICIDES.

(To be rendered in triplicate)

1. Name of Applicant
2. Father's Name.
3. Address of Applicant
4. No. & date of Certificate obtained for applying Pesticides.
5. Educational qualification.

I do hereby apply for registration as a dealer / Vendor of Agricultural Pesticides. My particulars which are given above are to the best of my knowledge true and correct. I undertake to abide by Agricultural Pesticides Ordinance and the Agricultural Pesticides Rules, in full.

Dated-----

Signature of the Applicant.

²³ SRO 36 (KE)/90 dated 22.1.1990

FORM 13²⁴

{See rule 11A(5)}

CERTIFICATE OF REGISTRATION FOR DEALER/VENDOR OF AGRICULTURAL
PESTICIDES.

(For official use only)

No.-----.

Certified that the person whose particulars are given below has been registered as dealer /
vendor of Agricultural Pesticides

1. Name.
2. Father's Name.
3. Address.
4. No & date of Certificate obtained for applying Pesticides.

Dated_____

Signature of Registration Officer

S E A L

Department.

²⁴ SRO 36(KE)/90 dated 22.1.1990

FORM 14²⁵

{See rule 11A(6)}

APPLICATION FOR RENEWAL OF CERTIFICATE OF REGISTRATION AS DEALER / VENDOR
OF AGRICULTURAL PESTICIDES.

(To be rendered in triplicate)

1. Name.
2. Father's Name.
3. Address.
4. No & date of Certificate of Registration.

I do hereby apply for the renewal of a certificate of registration in terms of the rule 11A OF Agricultural Pesticides Rules, 1973, of which the particulars are given above. I further certify that no changes have been made since the original registration , except as indicated above.

Dated-----

Signature of the Applicant.

²⁵ SRO 36(KE)/90 dated 22.1.1990

{See rule 11A (7)}

CERTIFICATE OF REGISTRATION.

No. _____

I do hereby:

(a) Certify that the person whose particulars are given below as referred to in application No. _____ dated _____ has been renewed for registration

(b) Certify that the following changes from the original registration have been accepted.

Dated _____

Signature of Registration Officer

S E A L

Department.

²⁶ SRO 36(KE)/90 dated 22.1.1990

FORM 16²⁷

[See rule 9A(1)]

APPLICATION FOR THE IMPORT PERMISSION OF PESTICIDE NOT HAVING
A TRADE NAME

(To be rendered in triplicate)

- I. Name and address of the applicant.
- II. Name and address of the manufacturer.
- III. Name of the Product (Generic Name).
- IV. Common Name (proposed or accepted by ISO) if different from the Generic name.
- V. Structural Formula.
- VI. Chemical Name IUPAC. nomenclature
- VII. Empirical Formula and Molecular Weight.
- VIII. Manufacturer's Development Code Number(s).
- IX. Active Ingredient:
 - 1) Physical State
 - 2) Colour
 - 3) Odour
 - 4) Melting Point
 - 5) Decomposition Point
 - 6) Boiling Point
 - 7) Vapour Pressure(Figure should be given at a stated temperature preferably in the range of 20 - 25 C.)
 - 8) Density (for liquids only)
 - 9) Hydrolysis rate under stated relevant conditions
 - 10) Photolysis
 - 11) Absorption Spectra e.g. Ultra-violet and infra-red etc.
 - 12) Any other relevant properties
- X. TECHNICAL GRADE MATERIALS:
 - 1) Source (Name and address of the manufacturer and address where manufactured)
 - 2) Physical State
 - 3) Colour
 - 4) Odour
 - 5) Minimum & maximum Active Ingredient content in w/w%.

²⁷ SRO 47(KE)/93 dated 1.3.1993

6) Identity and amount of Isomers, Impurities and other by products together with information on their possible range expressed as w/w.

The applicant shall supply details of impurities.

7) Storage Stability

XI. **Formulated Products**

1) Identity

2) Use Category

3) Type of Formulation

4) Content of Active Ingredient(s)

5) Content and nature (identity if possible) of other components.

6) Water Content (above relevant)

7) Appearance

8) Storage Stability (in respect of composition and physical properties related to use)

9) Density (for liquids only.)

10) Flammability

a) Liquids (Flash Point)

b) Solids (A statement must be made as to whether the product is flammable / inflammable.

11) Acidity (where relevant)

12) Alkalinity (where relevant)

13) Other properties may in certain cases needs evaluation.

14) Wettability (for Dispersible Powders)

15) Persistent Foam for formulations applied in water.

16) Suspensibility (for Dispersible Powders and suspending concentrates)

17) Wet Sieve Test (for dispersible powders and suspension concentration)

18) Dry Sieve Test (for Granules and Dusts)

19) Emulsion Stability (for Emulsifiable concentrates)

20) Corrosiveness (where necessary)

21) Known Incompatibilities with other products eg. pesticides, fertilizers.

XII. **EFFICACY.**

1) Primary evaluation data using harmonized method and reported in a systematically presented complete dossier.

XIII. **Toxicological Data.**

1) Acute Oral Toxicity. :

2) Acute Percutaneous toxicity

- 3) Acute Inhalation
- 4) Skin irritation
- 5) Eye irritation.
- 6) Direct observations e.g. clinical cases
- 7) Health records both from industry and agriculture.
- 8) Treatment of poisoning
- 9) First-aid measures
- 10) Supplementary Treatment

XIV. Prediction of Environmental Effects.

- 1) Fate and mobility studies of the toxicant.
- 2) Method of application of pesticide
- 3) Time of application
- 4) Rate of application
- 5) Scale of use (No. of applications etc.)
- 6) Volatility of the product
- 7) Water Solubility
- 8) Effects on Birds
- 9) Effects on Fish
- 10) Effects on Fish Food Species
- 11) Effects on Honey Bees
- 12) Effects on Local aquatic species
- 13) Effects on Soil organisms

XV. Disposal of surplus pesticides and pesticide containers.- 1) Any additional information (see guidelines for disposal of surplus pesticides and pesticides containers Annexure-A).

XVI. Proposal for labelling and directions for use:- (1) A draft label with any additional information not included in the guidelines (see guidelines for labeling Annexure-B)

XVII. Storage facilities.

XVIII. packing.- (1) State weight (or for liquids volume) and the sizes of package the product is to be marketed and for each size the type of package for instance 1 kg in cans with screw plug and 50 kg in iron drums. Please note that the product must be sold only in the package, size and type notified to the Plant Protection Department and for which the label is approved.

- 2) Classification during transport.

XIX. Methods of Analysis:- (1) Methods to determine the active ingredient of the product (the accuracy of the method of determination should be stated)

- 2) Method to determine the amount of isomers, impurities and other by-products.

XX. Labelled samples for analysis:- The samples shall be dispatched by the manufacturer directly to the department. (1) Analytical reference standard of 2-5 gms.

- 2) Technical grade material 0.5 - 1.0 kg.
- 3) Formulated product 1 lit. for each formulation.

Registration

Rupees 2,500/- (Rupees Two thousand five hundred)

to be deposited by Treasury Challan payable under budget head Central.

I do hereby apply for registration of the pesticide particulars of which are given above and hereby certify that these particulars are to the best of my knowledge true and correct.

Date._____.

SIGNATURE OF APPLICANT.

APPLICATION FOR THE IMPORT OF PESTICIDES REGISTERED ABROAD.

(To be rendered in duplicate)

- I. Name and address of the applicant.
- II. Name and address of the Basic Manufacturer.
- III. Name of the product. :
- IV. Common Name :
- V. Structural Formula. :
- VI. Chemical Name IUPAC nomenclature.
- VII. Empirical formula and molecular weight.
- VIII. **Technical grade materials.**
 1. Source (Name and address of manufacturer).
 2. Physical state. :
 3. Colour. :
 4. Odour. :
 5. Minimum and maximum active ingredients. content in % w/w.
 6. Identity and amount of isomers, impurities and other by-products together with information on their possible range expressed as % w/w

The Applicant shall supply Details of the Impurities.

7. Storage stability. :
- IX. **Formulated Products**
1. Identity :
 2. Use Category. :
 3. Type of formulation. :
 4. Content of active ingredients(s). :
 5. Content and nature (Identity if possible of other components included in the formulation of technical grade adjutants and inert ingredients).
 6. Water content (above relevant). :
 7. Appearance. :
 8. Density (for liquids only) gm/ml. at 25 °C
 9. Flammability. :
 - (a) Liquids (Flash Point) :

²⁸ SRO 47(KE)/93 dated 1.3.1993

(b) Solids. (A statement must be made as to whether the product is flammable/inflammable).

- 10) Acidity (where relevant). :
- 11) Alkalinity (Where Relevant). :
- 12) Other properties may in certain cases needs evaluation.
- 13) Wettability.(For dispersible powders). :
- 14) Persistent foam (for formulations applied in water).
- 15) Suspensibility (for dispersible powders and suspension concentrates).
- 16) Wet Sieve test (for dispersible powders and suspension concentrates).
- 17) Dry Sieve test (for granules, dusts). :
- 18) Emulsion stability (for emulsifiable concentrates).
- 19) Corrosiveness(when necessary). :
- 20) Known incompatibilities with other e.g. pesticides ,fertilizers.

X. Efficacy:- Primary evaluation data using harmonized method and reported in a systematically presented complete dossier.

XI. Toxicity Data:-

- (1) Acute oral toxicity. :
- 2) Acute percutaneous toxicity :
- 3) Acute inhalation. :
- 4) Skin irritation. :
- 5) Eye irritation. :
- 6) Direct observations e.g. clinical cases.
- 7) Health records both from Industry and Agriculture.
- 8) Treatment of poisoning. :
- 9) First-Aid Measures:
- 10) Supplementary Treatment. :

XII. Residue Analysis:

- 1) Primary Physical, chemical and biological data.
- 2) Identification of residue design of analytical method.
- 3) Reliable residue data from supervised trials.
- 4) Estimation of maximum residue level at harvest.
- 5) Data on further disappearance on storage transport etc.
- 6) Estimation of residue level in commodity on sale.
- 7) Data on disappearance on food preparation, Cooking or Processing.
- 8) Production of potential consumer intake :

9) Assessment of actual consumer intake. :

XIII. Prediction of environmental effects.

- 1) Fate and mobility studies of toxicant. :
- 2) Method of application of pesticide. :
- 3) Time of application. :
- 4) Rate of application. :
- 5) Scale of use (No. of application) :
- 6) Volatility of the product. :
- 7) Water solubility. :
- 8) Effects on birds. :
- 9) Effects on fish. :
- 10) Effects on fish food species. :
- 11) Effects on honey bees. :
- 12) Effects on soil organisms. :

XIV. Disposal of surplus pesticides and pesticide containers:

XV. Proposal for Labeling and Directions for use:

(A draft label with any additional information not included in the guidelines.)

XVI. Storage Facilities. :

XVII. Packaging.

1. State weight (or for liquids, volume) and the sizes of package in which the product is to be marketed and for each size the type of package, for instance 1 Kg. in cans with screw plug and 50 Kgs. in iron drums. Please note that the product must be sold only in the package size & type notified to the Plant Protection Department and for which the label is approved.

2. Classification during transport.

XIX. Method for analysis:

1. Method to determine the active ingredient of the product (the accuracy of the method of determination should be stated).

2) Methods to determine the amount of isomers, impurities and by-products.

I do hereby apply for the import of pesticide particulars of which are given above and certify that these particulars are to the best of my knowledge true and correct.

Date:-----.

SIGNATURE OF THE APPLICANT.

FORM 18²⁹

APPLICATION FOR REGISTRATION OF PESTICIDE MANUFACTURING/FORMULATION PLANT

1. Name & Address of the applicant
2. Type of Plant I) liquid – Aqueous/Solvent based, solid based, granules.
3. Location
4. Area (I) Covered (ii) Uncovered
5. Major processing equipment
6. Type of plant (Liquid/aqueous/ solvent based, solids, granules)
7. Details of each member of the technically qualified Staff.
8. Details of semi – skilled employees
9. Plant Safety.
 - (I) Safety Officer
 - (ii) Ventilation
 - (iii) Fire-fighting equipment
 - (iv) Emergency shower & eyewash.
 - (v) Protective equipment
 - (vi) Protected/ explosion proof electrical installations
10. Analytical quality control Lab
(Analytical facilities exist on site) Details of equipment
11. Filling facilities
 - I) for liquids
 - a) Pneumatic or ex-proof automation
 - b) Accurate measured quantity automatic dispensing.
 - c) Safety device on main opening of filling unit.
 - d) Automatic nitrogen purging system
 - e) Automatic/ semi automatic heat-sealing system.
 - d) Automatic/Semi automatic copping system.
 - ii) For solids
 - a) Accurate measured quantity automatic dispersing.
 - b) Automatic/ Semi-automatic remaining process.

²⁹ SRO 1252(I)/2005 dated 16.12.2005

12.Packing and Transport

Details of packaging & transport facilities

13.Warehouse & Storage of pesticides

i) Type of storage

(Brick/Concrete/Sheets/Wood

Floors: Pervious/impervious

ii) Capacity

iii) Maintenance

14.Occupational Health

Site medical practioner

(Full time/Part time)

15. Environmental Control

i) Effluent& waste water disposal system (give details)

ii) Solid waste disposal system (give details)

iii) Emission monitoring system (give details)

(iv) In-house incinerator

16.Registration fee - Rs. 25,000/=

17. Any other additional information

I do hereby apply for registration of the pesticides manufacturing/formulation plant particulars of which are given above and hereby certify that these particulars are to the best of my knowledge true and correct.

Date

Signature of the applicant

Name & Designation

FORM 18A³⁰
[See rule 7A(5)]

No.-----

CERTIFICATE OF REGISTRATION, MANUFACTURING / FORMULATION PLANT

Certified that the manufacturing / formulation plant has been registered in the name of the undertaking whose particulars are specified below:-

1. Name of Undertaking
2. Address
3. Registration No.
4. Type of Manufacturing / Formulation Plant
5. Location
6. Type of Plant
7. Validity of the Certificate.

Signature of Registering Officer
Seal:
Department of Plant Protection

Date:

³⁰ SRO1252(I)/2005 dated 16.12.2005

FORM 19³¹

APPLICATION FOR REGISTRATION OF PESTICIDE RE-FILLING / REPACKING UNIT

1. Name & Address of the applicant

2. Type of Plant (I) liquid – Aqueous/Solvent based, solid based, granules.

3. Location

4. Area (I) Covered (ii) Uncovered

5. Type of plant (Liquid/aqueous/ solvent based, solids, granules)

6. Details of each member of the technically qualified Staff.

7. Details of semi - skilled employees.

8. Plant Safety.

(I) Safety Officer

(ii) Ventilation

(iii) Fire-fighting equipment

(iv) Emergency shower & eyewash.

(v) Protective equipment

(vi) Protected/ explosion proof electrical installations

9. Analytical quality control Lab

In- house / contractual

(Analytical facilities exist on site) Details of equipment

10. Filling facilities

I) for liquids

a) Pneumatic or ex-proof automation

b) Accurate measured quantity automatic dispensing.

c) Safety device on main opening of filling unit.

d) Automatic nitrogen purging system

e) Automatic/ semi automatic heat-sealing system.

d) Automatic/Semi automatic capping system.

ii) For solids

a) Accurate measured quantity automatic dispersing.

b) Automatic/ Semi automatic remaining process.

11. Packing and Transport

Details of packaging & transport facilities

12. Warehouse & Storage of pesticides

i) Type of storage

(Brick/Concrete/Sheets/Wood

Floors: Pervious/impervious

ii) Capacity

iii) Maintenance

13. Occupational Health

Site medical practitioner

(Full time/Part time)

14. Environmental Control

i) Effluent & waste water disposal system (give details)

ii) Solid waste disposal system (give details)

iii) Emission monitoring system (give details)

(iv) In-house incinerator

15. Registration fee - Rs. 15,000/=

16. Any other additional information

I do hereby apply for registration of the pesticides re-filling / re-packing particulars of which are given above and hereby certify that these particulars are to the best of my knowledge true and correct.

Date

Signature of the applicant

Name & Designation

³¹ SRO 1252(I)/2005 dated 16.12.2005

FORM 19A³²

[See rule 7A (5)]

No.-----

**CERTIFICATE OF REGISTRATION
REFILLING / REPACKING UNIT**

Certificate that the Refilling / Repacking unit has been registered in the name of undertaking whose particulars are specified below:-

1. Name of Undertaking
2. Address
3. Registration No.
4. Type of Refilling / Repacking Plant.
5. Validity

Signature of Registering Officer

Seal:

DPP

Date:

³² SRO 1252(I)/2005 dated 16.12.2005

FORM 20³³

[See rule 7A(I)]

**APPLICATION FOR REGISTRATION OF PLANT FOR MANUFACTURING PESTICIDES
(TECHHICAL GRADE MATERIAL) IN PAKISTAN**

1. Name, Address and other Particular of the Applicant

- i. Street address
- ii. Tel / Fax
- iii. E-mail
- iv. Web site
- v. Manufacturing plant

2. Type of Plant: Liquid / Aqueous / Solvent based, Solid based, Granules.

3. Pesticide for which license is required.

4. List of major equipment (Annexure-A)

5. Details of technical staff.

6. Plant safety (Please tick appropriate box).

- i. Safety staff (give No. please). Y / N
- ii. Ventilation (Type)
- iii. Fire-fighting equipment (Annexure-B)
- iv. Emergency shower and eyewash. Y / N
- v. Protective equipment. Y / N
- vi. Protected/ explosion proof electrical installations (duly certified by Electrical Inspector). Y / N

7. Analytical quality control Lab (Analytical facilities exist on site) Details of equipment
(Annexure-C)

8. Filling facilities (please specified).

FOR LIQUIDS

- a) Pneumatic or ex-proof automation: Y / N
- b) Accurate measured quantity automatic dispensing. Y / N
- c) Safety device on main opening of filling unit. Y / N

³³ SRO 625(i)/2007 dated 20.6.2007

- d) Automatic nitrogen purging system. Y / N
- e) Automatic semi-automatic heat sealing system. Y / N

ii. For solids

- a) Accurate measured quantity automatic dispensing. Y / N
- b) Automatic/ Semi-automatic remaining process. Y / N

9. Rework (a copy of the written procedure)

10. Packaging and Transport (Detail of packaging and transport facilities)

11. Warehouse and Storage of pesticides.

- (i) Type of storage (Brick/Concrete/Sheets/Wood). Floors: (Pervious /Impervious)
- (ii) Dimensions
- (ii) Capacity
- (iv) Shared portables (Detail attached)

12. Occupational health

Site medical practioner: Y / N

(Full time/Part time)

13. Waste disposal

- (i) Effluent and waste water disposal system (give details)
- (ii) Solid waste disposal system (give details)
- (ii) Emission monitoring system (give details)
- (iv) In house incinerator (give details)

14. Registration fee- Rs. 25000/1= and Rs. 10000/- for each subsequent additional product to be manufactured

15. Any other additional information.

I do hereby apply for the registration of the pesticide manufacturing plant particulars of which are given above and hereby certify that these particulars are to the best of my knowledge true and correct.

Signature of the applicant

Date

Note.- Pesticide manufacturing Plant may be registered after satisfactory inspection and verification report to the above facts from the designated committee constituted by the Department of Plant Protection.

ANNEXURE-A

LIST OF MACHINERY AND EQUIPMENT

Machinery/ Equipment/ Model/ Make No.	Quantity

ANNEXURE-B

FIRE FIGHTING EQUIPMENT

Equipment	Quantity

ANNEXURE-C

DETAILS OF EQUIPMENT

Equipment	Quantity

FORM 20A³⁴
[(See rule 7A (5))

No. _____

Certificate of Registration
For Manufacturing Plant

(6) In exercise of powers under rule 7A of Agricultural Pesticides Rules, 1973, the manufacturing plant with the particulars given below is hereby registered:-

- (i) Name of undertaking
- (ii) Address / Head Office (Tel, Fax, Email & Web site address)
- (iii) Registration No.
- (iv) Type of Manufacturing Plant
- (v) Name of Insecticide / Herbicide / Fungicide / Nematicide

The certificate of registration is valid up to _____ The registration shall be subject to the following conditions:-

(i) The manufacturer will maintain the record of inventory in the inventory registration in such a way that trace-ability for each manufactured batch right from raw material to the finished product is ensured and will produce the same to the Department of Plant Protection or any of its officer as and when required.

(ii) The rework of the products recalled from the market, as the case may be, dealers shall not be carried out without prior written permission from this department.

(iii) The shared portables will be duly marked and their movement recorded.

(iv) The undertaking will adhere to and follow good manufacturing practices regarding contamination prevention.

(v) The undertaking will notify changes in technical manpower.

(vi) Addition in the product range shall be through permission from the department of Plant Protection and fee of Rs. 10,000/= shall be paid for each additional product.

(vii) This certificate of registration shall be kept in original at a prominent place in the premises of the registered manufacturing plant and must be accessible to the notified inspectors.

(viii) The samples from each manufactured batch will be retained for one year.

Signature of Registering Officer

Dated:

Seal:

³⁴ SRO 625(I)/2007 dated 20.6.2007

SCHEDULE VI [See rule 39]

SYMPTOMS OF POISONING, FIRST-AID AND ANTIDOTES

Chlorinated hydrocarbon insecticide

Symptoms,- these insecticide affect the central nervous system leading to convulsions, exhaustion, Numbness of extremities, apprehensions and excitement are other symptoms of poisoning from these insecticides.

First-Aid- As absorption through skin is most likely route of poisoning it is essential to wash off the contaminant from the body with soap and water and remove the soiled clothing. In case of ingestion evacuation of stomach is necessary.

Antidotes, - Usual antidotes are paraldehyde or a water-soluble barbiturate given intramuscularly or thiopentone or diazepam administered intravenously.

Organophosphates and carbamate insecticides

Symptoms, - These compounds depress cholinesterase enzyme activity in the body tissue, blood and brain. Usual symptoms of intoxication the muscular trembling, weakness, colds wear, nausea, vomiting, abdominal discomfort, irritability or restlessness coupled with constricted pupil/pupils and a feeling of tightness in chest.

First-Aid, - Necessary steps may be taken immediately to decontaminate the patient. If exposure is mild the effect will be transient. In severe cases death may occur. Keep the patient at rest and maintain respiration by artificial means, if necessary. Immediate steps may also be taken to hospitalize the patient.

Antidotes, - If symptoms are obvious first dose of two tablets of atropine sulphate (of 0.6 mg. Strength each) may be administered by giving one tablet each at an interval of 20-30 minutes.

Fumigants.

Cyanides -Symptoms, - Slight poisoning causes metallic taste in the mouth, irritation of the nose and throat, dizziness, frontal headache, constriction of chest weakness of limbs and a sensation of lack of air. These symptoms appear within a few seconds or minutes of exposure and if these warnings are ignored and if immediate treatment is not made available death may follow quickly.

First –Aid,- Remove the patient from the contaminated area. Keep at rest and remove contaminated clothing and wash skin thoroughly. Start artificial respiration.

Antidotes, - Cobalt EDTA or sodium nitrate and sodium thiosulphate are standard antidotes. Treatment should be given by a medical practitioner.

Methyl Bromide, - Symptoms- Burning of skin, edema of limbs and central nervous system disorders are obvious symptoms. Warning symptoms of exposure are irritation of eyes and throat, headache and abdominal discomfort.

First –Aid- Contaminated clothing, shoes and skin must be washed off properly. Call Medical practitioner for assistance or hospitalize the patient at once.

Antidotes, - Where exposure is mild recovery will take place without special treatment, in other cases BAL is recommended to be tried as antidote. Treatment should therefore be symptomatic.

Ethylene dichloride, - Symptoms- Effects are narcotic and cause renal and liver damage and the irritation of mucous membranes.

Antidote, - No specific antidotes are available. Therefore treatment should be symptomatic.

Ethylene dibromide – Symptoms- Blistering occurs on coma with skin causes irritation of mucous membrane.

First –Aid- Splashes should be washed from the skin and contaminated clothing removed.

Antidote,- Symptomatic treatment may be provided because of absence of any specific antidotes.

Phosphene – Symptoms- Effect gastrointestinal tract and central nervous systems with nausea, abdominal pain, vomiting and diarrhea.

Antidote, - No specific antidotes are available which calls for symptomatic treatment.

Herbicides

Phenoxy acetates, - Symptoms, - Hypersalivation, cramps, vomiting and diarrhea, convulsions and mental confusion are obvious symptoms.

First – Aid, - Contaminated clothing should be removal and skin washed thoroughly with soap and water.

Treatment, - No specific antidotes are available, therefore, treatment just be symptomatic.

Organo-mercurial fungicides, - Symptoms,- Among organic mercurial alkyl compounds (with alcohol radical) are more toxic than aryl compounds (with phenol radical). Acute effects of both compounds cause skin burn with redness and blisters and irritation of mucous membranes/systemic absorption causes renal damage and digestive system symptoms. Chronic toxicity from alkyl compounds causes widespread damage of central nervous system.

First- Aid – Wash skin thoroughly with soap and water and remove contaminated clothing.

Antidote, - In acute system poisoning stomach may be washed out. Therapy may be tried with dimeroapral intramuscularly, or with oral doze of 250 mg of N-acetyl penicillamine, fourness daily. A medical practitioner may administer drugs.

Inorganic mercurial fungicides, -Symptoms, - Mercuric chloride causes coagulation, irritation and superficial cause of the tissue resulting in discoloration of mucous embraces. Internal abdominal pains with vomiting follow. Circulatory failure may also occur. Mercuric chloride is mush less toxic.

First- Aid, - Stomach may be wash with 5% solution of formaldehyde sulphony-late. Remove clothing and wash the body and hair thoroughly.

Antidotes, - Treatment with dimerapro BAL or preferably Nacetyl pencillamine proves effective. Treatment should be provided by a medical practitioner.