

## **Decisions taken in the 125<sup>th</sup> meeting of the Genetic Engineering Appraisal Committee (GEAC) held on 11<sup>th</sup> December 2015**

The 125<sup>th</sup> meeting of the GEAC was held on 11<sup>th</sup> December 2015 in the Ministry of Environment, Forest and Climate Change under the chairmanship of Shri Hem Pande, Special Secretary, Ministry of Environment, Forest and Climate Change (MoEFCC) and Chairman, GEAC.

The deliberations and decisions taken in the GEAC meeting in respect of Agenda items 4 to 8 are as follows:

### **Agenda item No 4: Consideration of applications for confined field trials of transgenic crops (Event selection/ BRL-I) as recommended by the RCGM.**

#### **4.1 Permission for conduct of confined field trial (Trial-8) on 40 glyphosate tolerant transgenic rice (*Oryza sativa L.*) events generate using DKHT3, DKHT5,DKHT19 and DKHT21 construct at Telangana, Andhra Pradesh/Gujarat/Maharashtra by M/s Pioneer Overseas Corporation, Hyderabad.**

4.1.1 M/s Pioneer Overseas Corporation requested for Permission for conduct of confined field trial (Trial-8) on 40 glyphosate tolerant transgenic rice (*Oryza sativa L.*) events generate using DKHT3,DKHT5, DKHT19 and DKHT21 construct at Telangana, Andhra Pradesh/ Gujarat/ Maharashtra.

4.1.2 The Objective of the trials are:

- i. To evaluate the trait efficacy of glyphosate tolerant rice events at 4X dose
- ii. To valuate agronomic performance of glyphosate tolerant rice events

4.1.3 The applicant vide its email dated 12.08.2015 and 03.12.2015 withdrew the application for consideration by RCGM and GEAC due to its business reasons.

4.1.4 The GEAC noted the withdrawal of application.

#### **4.2 Permission for conduct of confined field trial (Trial-11) on glyphosate tolerant transgenic rice (*Oryza sativa L.*) containing Bt (Cry1Ac & Cry1Ca) and Bar genes construct at Telangana/Andhra Pradesh/Gujarat/Maharashtra by M/s Pioneer Overseas Corporation, Hyderabad**

4.2.1 M/s Pioneer Overseas Corporation requested for Permission for conduct of confined field trial (Trial-11) on glyphosate tolerant transgenic rice (*Oryza sativa L.*) containing Bt (Cry1Ac & Cry1Ca) and Bar genes construct at Telangana/Andhra Pradesh/Gujarat/Maharashtra by M/s Pioneer Overseas Corporation, Hyderabad

4.2.2 The Objective of the trials are:

- i. To evaluate agronomic performance of dual mode of action Bt rice events
- ii. To evaluate trait efficacy of dual mode of action Bt rice events against Yellow stem borer and Rice Leaf folder.

4.2.3 The applicant vide its email dated 12.08.2015 and 03.12.2015 withdrew the application for consideration by RCGM and GEAC due to its business reasons.

4.2.4 The GEAC noted the withdrawal of application.

**4.3 Permission for conduct of confined field trial (Trial-18) on 17 SPT rice (*Oryza sativa L.*) Containing OS-MSCA1, ZM-AA1, DsRed2 genes by M/s Pioneer Overseas Corporation, Hyderabad.**

4.3.1 M/s Pioneer Overseas Corporation has requested for Permission for conduct of confined field trial (Trial-18) on 17 SPT rice (*Oryza sativa L.*) containing OS-MSCA1, ZM-AA1, DsRed2 genes

4.3.2 The Objective of the trials are:

- i. To assess the frequency of transgene transmission through pollen in SPT events.
- ii. To assess the outcross seed producibility of SPT events.
- iii. To evaluate DsRed2 and Zm-AA1 expression in leaf, anther and seeds of SPT events.
- iv. To study transgene segregation in SPT maintainer events.
- v. To study interaction effects of SPT events in multiple genetic background

4.3.3 After detailed deliberations, the GEAC approved the proposal for conducting confined field trial for event selection (EST-18) on 17 SPT rice (*Oryza sativa*) for one season, which would be valid for three years.

**4.4 Permission for conduct of confined field trial (Trial-19) on 40 SPT rice (*Oryza sativa L.*) containing OS-MSCA1, ZM-AA1, DsRed2 genes by M/s Pioneer Overseas Corporation, Hyderabad.**

4.4.1 M/s Pioneer Overseas Corporation requested for Permission for conduct of confined field trial (Trial-19) on 40 SPT rice (*Oryza sativa L.*) containing OS-MSCA1, ZM-AA1, DsRed2 genes by M/s Pioneer Overseas Corporation, Hyderabad.

4.4.2 The Objective of the trials are:

- i. To assess the frequency of transgene transmission through pollen in SPT events.
- ii. To assess the outcross seed producibility of SPT events.
- iii. To evaluate DsRed2 and Zm-AA1 expression in leaf, another and seeds of SPT events.
- iv. To study transgene segregation in SPT maintainer events.

4.4.3 After detailed deliberations, the GEAC approved the proposal for conducting confined field trial for event selection (EST-19) on 40 SPT rice (*Oryza sativa*) for appropriate season, which would be valid for three years.

**4.5 Permission to conduct confined field trial for Biosafety Research Level I (BRL-1) of the stacked transgenic cotton Glytol®xTwinlink® x Cot 102 (GLTC) hybrids containing events GHB119 (Cry2Ae/PAT) x T304-40 (Cry1Ab/PAT) x GHB614 (2mEPSPS) x Cot102 (vip3A) during Kharif 2015 and 2016 in North, Central and South Zone by M/s Bayer Bioscience Pvt Ltd.**

4.5.1 M/s Bayer Bioscience Pvt Ltd has requested for Permission to conduct confined field trial for Biosafety Research Level I (BRL-1) of the stacked transgenic cotton Glytol®xTwinlink® x Cot 102 (GLTC) hybrids containing events GHB119 (Cry2Ae/PAT) x T304-40 (Cry1Ab/PAT) x GHB614 (2mEPSPS) x Cot102 (vip3A) during Kharif 2015 and 2016 in North, Central and South Zone.

4.5.2 The Objective of the trials are:

- i. To study the weed control efficacy in GHB614 hybrids with glyphosate tolerant trait.
- ii. Estimation level of expression of 2m EPSPS proteins in various plant parts at different crop growth stages

- iii. Growth habit, life cycle, plant height, reproductive and survival biology of GHB614 hybrids & non-transgenic checks.
  - iv. To monitor the occurrence of beneficial and non-target insects on GHB614 cotton hybrids, non –transgenic counterparts and checks.
  - v. Estimation of cost of chemical weed control (glyphosate application) on GHB614 cotton vis-à-vis farmers practice of manual weed control
- 4.5.3 After detailed deliberations, GEAC has noted the observations of RCGM that it has in its 141<sup>st</sup> meeting held on 24.02.2015 had advised the applicant to submit the revised application without seed production component. The revised application was recommended by the RCGM on 13.10.2015. Taking into consideration the submission by the Member Secretary, RCGM, the GEAC approved the application of M/s Bayer Bioscience Pvt Ltd. to conduct confined field trial for Biosafety Research Level I (BRL-1) of the stacked transgenic cotton Glytol®xTwinlink® x Cot 102 (GLTC) hybrids containing events GHB119 (Cry2Ae/PAT) x T304-40 (Cry1Ab/PAT) x GHB614 (2mEPSPS) x Cot102 (vip3A) during Kharif 2015 and 2016 in North, Central and South Zone.
- 4.6 Renewal of permission to conduct confined field trial for event selection for ten insect resistant transgenic rice events (MHR03, MHR05, MHR32, MHR174, MHR256, MHR83, MHR90, MHR95, MHR489, MHR509) expressing *cry1Ab* and *cry1Ac* genes at one location in each of the ten states i.e. Maharashtra, Haryana, Gujarat, Karnataka, Punjab, Telangana, Chhattisgarh, Uttar Pradesh, Jharkhand, Bihar apart from Andhra Pradesh by M/s Metahelix Life Sciences.**
- 4.6.1 M/s Metahelix Life Sciences has requested for renewal of permission to to conduct confined field trial for event selection for ten insect resistant transgenic rice events (MHR03, MHR05, MHR32, MHR174, MHR256, MHR83, MHR90, MHR95, MHR489, MHR509) expressing *cry1Ab* and *cry1Ac* genes at one location in each of the ten states i.e. Maharashtra, Haryana, Gujarat, Karnataka, Punjab, Telangana, Chhattisgarh, Uttar Pradesh, Jharkhand, Bihar apart from Andhra Pradesh due to delay in getting NOC from State Governments.
- 4.6.2 After detailed deliberations, GEAC approved for confined field trial for event selection for ten insect resistant transgenic rice events (MHR03, MHR05, MHR32, MHR174, MHR256, MHR83, MHR90, MHR95, MHR489, MHR509) expressing *cry1Ab* and *cry1Ac* genes at one location in each of the ten states i.e. Maharashtra, Haryana, Gujarat, Karnataka, Punjab, Telangana, Chhattisgarh, Uttar Pradesh, Jharkhand, Bihar apart from Andhra Pradesh. It was also noted that the objective of the trial is to validate agronomically superior and most efficacious event(s) against rice stem borer and leaf folder. GEAC also advise the applicant not to conduct the trial on Basmati growing areas.
- 4.7 Permission for production of F2 grain samples of insect resistant and herbicide tolerant transgenic maize events namely Bt11, GA21and Bt11x GA21 under confined conditions by M/s Syngenta Biosciences Pvt. Ltd., Pune.**
- 4.7.1 M/s Syngenta Biosciences Pvt. Ltd has requested for permission for production of F2 grain samples of insect resistant and herbicide tolerant transgenic maize events namely Bt11, GA21and Bt11x GA21 under confined conditions
- 4.7.2 The objective of this study is to collect grain samples from Bt11, GA21, and Bt11\*GA21 maize and a non-transgenic, near-isogenic maize for use in a compositional analysis study.

4.7.3 After detailed deliberations, GEAC has approved the proposal of M/s Syngenta Biosciences Pvt. Ltd. for production of F2 grain samples of insect resistant and herbicide tolerant transgenic maize events namely Bt11, GA21 and Bt11x GA21 under confined conditions.

**4.8 Permission to conduct second year Biosafety Research Level-I (BRL-I) trial with 2 transgenic maize (*Zea mays* L.) hybrids containing *cry1F*, *cry1Ab* and *cp4EPSPS* genes (stacked events of TC1507 x MON 810 x NK 603 (DAS-01570-1 x MON-00810-6 x MON-00603-6) by M/s. Pioneer Overseas Corporation (POC), Hyderabad.**

4.8.1 GEAC in its 120<sup>th</sup> meeting held on 12.05.2014 considered the request of M/s. Pioneer Overseas Corporation (POC), Hyderabad to conduct second year BRL-I trial with 2 transgenic maize (*Zeamays* L.) hybrids namely; P3501YHR and 30B07YHR containing *cry1F*, *cry1Ab* and *CP4EPSPS* genes (stacked events of TC1507 x MON 810 x NK 603 (DAS-01570-1 x MON-00B10-6 x MON-00603-6). The GEAC in its meetings held on 06.07.2011 and 02.02.2012 had approved the conduct of first year of BRL-I trials of above mentioned two hybrids at three different locations during appropriate seasons.

4.8.2 The Committee has taken a note of the submissions of the applicants in response to the questions raised by the GEAC earlier. However, the GEAC reiterated that comments of Central Insecticide Board & Registration Committee may be obtained as was sought earlier, before a final view is taken.

**4.9 Permission to conduct confined field trial BRL-II of transgenic Maize (*Zea Mays* L) containing Event NK603 at North, Central and South zones by M/s Monsanto India Ltd.**

4.9.1 M/s. Monsanto India Limited requested for Permission to conduct confined field trial BRL –II of transgenic Maize (*Zea Mays* L) containing Event NK603 at north Central and South zones

4.9.2 The Objective of the trials are:

- i. To Study the weed control efficacy of herbicide tolerant corn hybrids (Event NK603) with application of Roundup formulation (MON 76366).
- ii. Comparative assessment of soil ecosystem, weediness, morphology & phenotypic characters of transgenic corn and its conventional counterpart hybrids.
- iii. To study the level of expression of candidate proteins expressed by the inserted genes in plant tissues at regular intervals during the growing season/trial period at selected locations.
- iv. Comparison of agronomic benefits of transgenic corn vis- a- vis their non-transgenic counterparts.

4.9.3 The committee noted that the recommendations of the RCGM are still awaited. Decision was therefore deferred.

**Agenda item No 5: Consideration of Application for environmental release:**

**5.1 Permission for Environmental release of transgenic mustard hybrid DMH-11 and parental lines containing events bn 3.6 and modbs 2.99 developing using barnase, barstar and bar genes by M/S University of Delhi.**

5.1.1 CGMCP, University of Delhi has requested for permission for environmental release of transgenic mustard hybrid DMB-11 and parental lines containing events gn 3.6 and modbs using barnase, barstar and bar genes.

5.1.2 GEAC had approved, vide letter No C1203/35/2010- CS-III dated 28.10.2014 and 07.11.2014 for conduct of BRL-II trials of transgenic mustard hybrid DMH-11 and parental lines

containing events bn 3.6 abdmdb 2.99 and barnase and bar genes. The applicant has completed the BRL-II studies at three locations including expression studies, impact on soil micro flora at one location, socio-economic analysis, etc. and seeking permission of GEAC for environmental release:

5.1.3 GEAC deliberated on the application submitted by Delhi University (South Campus) for environmental release of mustard. After a detailed deliberation, it was decided that the applicant may be invited to give presentation to the GEAC on 4<sup>th</sup> January, 2016.

**6.1 Request for change of location for conduct of event selection trial of (i) Water Use Efficient (WUE) cotton containing *ipt* gene and (ii) Nitrogen Use Efficient (NUE) cotton containing *AlaAt* gene from Mahatma PhuleKrishi Vidyapeeth, Rahurito Company's own Farm at Jalana by M/s. Maharashtra Hybrid Seeds Company Limited (MAHYCO).**

6.1.1 M/s. Maharashtra Hybrid Seeds Company Limited (MAHYCO) requested for change of location for conduct of event selection trial of (i) Water Use Efficient (WUE) cotton containing *ipt* gene and (ii) Nitrogen Use Efficient (NUE) cotton containing *AlaAt* gene from Mahatma Phule Krishi Vidyapeeth, Rahuri to Company's own Farm at Jalana

6.1.2 After detailed deliberations, the GEAC approved the proposal of M/s. Maharashtra Hybrid Seeds Company Limited (MAHYCO) regarding request for change of location for conduct of event selection trial of (i) Water Use Efficient (WUE) cotton containing *ipt* gene and (ii) Nitrogen Use Efficient (NUE) cotton containing *AlaAt* gene from Mahatma PhuleKrishi Vidyapeeth, Rahurito Company's own Farm at Jalana.

**6.2 Request for additional location for conduct of event selection trial (EST17) on 16 SPT1 and 16 SPT6 Rice (*Oryza sativa* L.) at Andhra Pradesh and Maharashtra by M/s Pioneer Overseas Corporation, Hyderabad.**

6.2.1 M/s Pioneer Overseas Corporation requested for additional location for conduct of event selection trial (EST17) on 16 SPT1 and 16 SPT6 Rice (*Oryza sativa* L.) at Andhra Pradesh and Maharashtra

6.2.2 Member Secretary, GEAC informed that the applicant vide communication dated 3.12.2015 requested for withdrawal of the application for EST-18 and EST-19 for further consideration. GEAC has taken a note of the withdrawal of the application.

**6.3 Request for additional location in the state of Delhi and company long leased land to conduct BRL Trial by M/s Pioneer Overseas Corporation, Hyderabad.**

- i. BRL –II trial for maize hybrids containing the event TC1507xNK603,
- ii. Second year BRL-I trial for maize hybrids containing the event TC15017xMON810xNK603,
- iii. First year BRL-I trial for maize hybrids containing the events TC1507xNK603.

6.3.1 After detailed deliberations, the GEAC approved the request of M/s Pioneer Overseas Corporation, Hyderabad for additional location in the state of Delhi and company long leased land to conduct BRL Trial.

**6.4 Request for extension of validity of the permission to conduct F2 grain production of transgenic maize hybrid TC1 containing cry1F gene (event TC1507) during 2015-16 by M/s Dow Agro Sciences India Pvt. Ltd., Mumbai.**

- 6.4.1 After detailed deliberations, GEAC approved the request of M/s Dow Agro Sciences India Pvt. Ltd., Mumbai for extension of validity of the permission to conduct F2 grain production of transgenic maize hybrid TC1 containing cry1F gene (event TC1507) during 2015-16.
- 6.5 Request for extension of validity of the permission to conduct BRL-1 (second year) trials with transgenic maize hybrids containing event TC1507 (DAS-01507-1) during Kharif2015 and Rabi 2015-16 and seed production during appropriate season of 2015-16 by M/s Dow Agro Sciences India Pvt. Ltd., Mumbai.**
- 6.5.1 After detailed deliberations, GEAC approved the request of M/s Dow Agro Sciences India Pvt. Ltd., Mumbai for extension of validity of the permission to conduct BRL-1 (second year) trials with transgenic maize hybrids containing event TC1507 (DAS-01507-1) during Kharif 2015 and Rabi 2015-16 and seed production during appropriate season of 2015-16.
- 6.6 Request for extension of Validity period to F1 Hybrid Seed Production (Two Cycles/ year) from constructs RPD5-RPD17 in West Godavari district, Andhra Pradesh by M/s BASF India Ltd.**
- 6.6.1 After detailed deliberations, GEAC approved the request of M/s BASF India Ltd. for extension of Validity period to F1 Hybrid Seed Production (Two Cycles/ year) from constructs RPD5-RPD17 in West Godavari district, Andhra Pradesh.
- 6.7 Request for extension of the validity of the permission granted to conduct Event Selection Trials for Rice SPT Maintainer events in EST-17 during appropriate seasons in 2015 by M/s Pioneer Overseas Corporation, Gurgaon.**
- 6.7.1 After detailed deliberations, GEAC approved the request M/s Pioneer Overseas Corporation, Gurgaon for extension of the validity of the permission granted to conduct Event Selection Trials for Rice SPT Maintainer events in EST-17 during appropriate seasons in 2015.
- 7.1 Permission for import of Vector Mune Fowl Pox-*Mycoplasma gallisepticum* (MG) Poultry Vaccine from USA and Marketing in India by M/s Ceva India Pvt Ltd., Delhi.**
- 7.1.1 M/s Ceva India Pvt Ltd, Delhi in its proposal requested for permission to import Vector Mune Fowl Pox-*Mycoplasma gallisepticum* (MG) Poultry Vaccine from USA and Marketing in India
- 7.1.2 GEAC has noted that comments received from some experts which, inter alia, are the following:
- In general vectored vaccines have chances to revert back to virulence after mutation. Since the vaccine is based on the foreign strain, new strain will be released in the ecosystem and how this strain will behave with non-target host cannot be predicted.
  - The stability of inserted genes has been claimed in document but no data has been provided except the preliminary mention.
  - Additional information may be provided by the applicant on the effect of the presence of pre-existing antibodies against virus at the time of Vectormune FP MG vaccination on MG protective response.
- 7.1.3 GEAC was of the view that since this vaccine is for poultry, comments of Department of Animal Husbandry may also be obtained, particularly whether such vaccines are required to be imported and the risks involved. The Committee deferred the proposal with the view

that the proposal may be placed before the Committee after receipt of clarifications from the applicant and also comments from other experts / organizations.

**7.2 Permission for Import and Marketing of Bursal Disease-Marek's Disease Vaccine, Serotype 3, Marek's Disease Vector (Vaxxitek HVT+ IBD) by M/s Sanofi-Synthelabo (Indian) Ltd.**

7.2.1 M/s Sanofi-Synthelabo (Indian) Ltd. Requested for Permission for Import and Marketing of Bursal Disease-Marek's Disease Vaccine, Serotype 3, Marek's Disease Vector (Vaxxitek HVT+ IBD)

7.2.2 GEAC in its 118<sup>th</sup> meeting held on 21.03.2014 and 123<sup>rd</sup> meeting held on 27.02.2015 considered the proposal.

7.2.3 GEAC was of the view that since this vaccine is for poultry, the comments of Department of Animal Husbandry may also be obtained, particularly whether such vaccines are required to be imported and the risks involved. The GEAC deferred the proposal with the view that the proposal may be placed before the Committee after receipt of clarifications from the applicant and also comments other experts / organizations.

**7.3 Permission for Import and Marketing of the Canine Distemper -Adenovirus type 2-Coronavirus-Parainfluenza- Parvovirus Vaccine, Modified Live Virus, Live Canarypox Vector, Leptospira Canicola – Ictero haemorrhagiae Bacterin (Recombitek® C6/CV) by M/s SanofiSynthelabo (India) Ltd.**

7.3.1 M/s SanofiSynthelabo (India) Ltd requested for Permission for Import and Marketing of the Canine Distemper -Adenovirus type 2-Coronavirus-Parainfluenza- Parvovirus Vaccine, Modified Live Virus, Live Canarypox Vector, LeptospiraCanicola – IcterohaemorrhagiaeBacterin (Recombitek® C6/CV)

7.3.2 The Committee deferred the proposal with the view that the proposal may be placed before the Committee after receipt of clarifications from the applicant and also from other experts / organizations.

**7.4 Permission for Import and Marketing of the Canine Distemper-Adenovirus type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector, Leptospira Bacterin (Recombitek® C6) by M/s. SanofiSynthelabo (India) Ltd.**

7.4.1 M/s SanofiSynthelabo (India) Ltd requested for Permission for Import and Marketing of the Canine Distemper -Adenovirus type 2-Coronavirus-Parainfluenza- Parvovirus Vaccine, Modified Live Virus, Live Canarypox Vector, Leptospira Canicola – Icterohae morrhagiae Bacterin (Recombitek® C6/CV)

7.4.2 The Committee deferred the proposal with the view that the proposal may be placed before the Committee after receipt of clarifications from the applicant and also from other experts / organizations.

**7.5 Permission for Import and Marketing of the Canine Distemper-Adenovirus type 2- Para influenza -Parvovirus Vaccine, Modified Live Virus, Canarypox Vector (Recombitek® C4) by M/s SanofiSynthelabo (India) Ltd.**

7.5.1 M/s SanofiSynthelabo (India) Ltd requested for Permission for Import and Marketing of the Canine Distemper -Adenovirus type 2-Coronavirus-Parainfluenza- Parvovirus Vaccine,

Modified Live Virus, Live Canarypox Vector, Leptospira Canicola – Icterohae morrhagiae Bacterin (Recombitek<sup>®</sup> C6/CV)

7.5.2 The Committee deferred the proposal with the view that the proposal may be placed before the Committee after receipt of clarifications from the applicant and also from other experts / organizations.

7.6 **Permission for Import and Marketing of the Canine Distemper-Adenovirus -Parvovirus Vaccine, Modified Live Virus, Canarypox Vector (Recombitek<sup>®</sup> C3) by M/s SanofiSynthelabo (India) Ltd.**

7.6.1 M/s SanofiSynthelabo (India) Ltd requested for Permission for Import and Marketing of the Canine Distemper -Adenovirus type 2-Coronavirus-Parainfluenza- Parvovirus Vaccine, Modified Live Virus, Live Canarypox Vector, Leptospira Canicola – Ictero haemorrhagiae Bacterin (Recombitek<sup>®</sup> C6/CV)

7.6.2 The Committee deferred the proposal with the view that the proposal may be placed before the Committee after receipt of clarifications from the applicant and also from other experts / organizations. The proposal was deferred.

#### **Agenda Item No 8: Application related to Export /Import**

8.1 **Permission for import of processed food i.e. Dried Distillers Grains with soluble (DDGS)-Corn from USA and market in India by M/s Godrej Agrovet Ltd.**

8.1.1 M/s Godrej Agrovet Ltd. has requested for permission to import of processed food i.e Dried Distillers Grains with soluble (DDGS)-Corn from USA and market in India by letter dated 15<sup>th</sup> March, 2012.

8.1.2 The Member Secretary, GEAC informed that comments of the experts on the proposal are still awaited. GEAC also was of the view that besides the comments from experts, comments of Department of Animal Husbandry and FSSAI may be obtained regarding the export/import of GM feed. Comments from other experts may be followed-up. Decision on the proposal was deferred.

8.2 **Permission for import of INNOVAX-ND (Marek's Disease- Newcastle Disease Vaccine, Serotype 3, Live virus, Live Marek's Disease Vector) a recombinant live poultry vaccine for Preventive Vaccination form USA and marketing in India by M/s MSD Animal Health Pvt Ltd (Intervet Pvt. Ltd.)**

8.2.1 INNOVAX-ND is a frozen cell associated live virus vaccine that contains the recombinant serotype 3 Herpes Virus of turkey (HVT) with the F gene from Newcastle Disease Virus (NDV) (Mareks Disease- Newcastle Disease Vaccine, Serotype 3, Live Virus, Live Marek's Disease Vector for veterinary use). The vaccine can be used to stimulate the active immunity against Marek's Disease (MD) and Newcastle disease (ND) in Poultry.

8.2.2 The Member Secretary, GEAC informed that comments of the experts on the proposal are still awaited. GEAC also was of the view that besides the comments from experts, comments of Department of Animal Husbandry and FSSAI may be obtained regarding the export/import of GM feed. Comments from other experts may be followed-up. Decision on the proposal was deferred.



**8.3 Permission for import and marketing of Combined Newcastle Disease and Marek's Disease by M/s Ceva India PvtLtd.**

(i) VECTORMUNE HVT NDV & SB -1 Marek's Disease-Newcastle Disease and Vaccine, Serotypes 3, Live Virus, Live Marek's Disease factor, and

(ii) Newcastle Disease and Marek's Disease: VECTORMUNE HVT NDV & SB -1 Marek's Disease-Newcastle Disease and Vaccine, Serotypes 2 & 3, Live Virus, Live Marek's Disease factor

8.3.1 M/s Ceva India Pvt Ltd has requested for permission for import marketing of Combined Newcastle Disease and Marek's Disease. Quantity per year of the product to be manufactured/imported/marketed: 12,000 vials per year. VECTORMUNE HVT NDV & SB-1 is recommended for use in 18 to 19 day old embryonating eggs or in day old chicks as an aid in the prevention of Newcastle disease virus and Marek's disease caused by Marek's disease virus.

8.3.2 The Member Secretary, GEAC informed that comments of the experts on the proposal are still awaited. GEAC also was of the view that besides the comments from experts, comments of Department of Animal Husbandry and FSSAI may be obtained regarding the export/import of GM feed. Comments from other experts may be followed-up. Decision on the proposal was deferred.

**8.4 Import of GM Soya bean Meal by M/s Suguna Foods.**

8.4.1 M/S Suguna Foods requested GEAC by letter dated 17.06.2013 for import of GM Soybean meal from China/Brazil/Argentina/Vietnam/Singapore/Malaysia/USA for producing of poultry and animal feed. The purpose of import is as an ingredient in the animal feed for self-usage for producing poultry and animal feeds.

8.4.2 The Member Secretary, GEAC informed that comments of the experts on the proposal are still awaited. GEAC also was of the view that besides the comments from experts, comments of Department of Animal Husbandry and FSSAI may be obtained regarding the export/import of GM feed. Comments from other experts may be followed-up. Decision on the proposal was deferred.

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