

informed to State Police of Odisha. Home Department of State Government of Odisha has already notified the newly constructed Railway line in the jurisdiction of Government Railway Police, Cuttack and Rourkela *vide* Notification No. 25th September, 2018 and Memo No. 41095/D&A, dated 25.09.2018.

#### **Adverse effect of fertilizers on human health**

\*282. SHRI VIJAY GOEL: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) whether the Ministry is aware of adverse effect of fertilizers on human health;
- (b) whether the Ministry has received any proposals to encourage bio-fertilizers instead of chemical fertilizers; and
- (c) if so, whether the Ministry has undertaken any impact study of the same, if so, the details thereof?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI NARENDRA SINGH TOMAR): (a) Balanced and judicious use of chemical fertilizers as per soil test based recommendation is promoted by Government through various programmes.

(b) Government has initiated a number of steps for encouraging/promoting the use of bio-fertilizers by providing incentives for production/procurement of bio-fertilizers under various schemes such as Paramparagat Krishi Vikas Yojana (PKVY), Mission Organic Value Chain Development for North Eastern Region (MOVCDNER), Capital Investment Subsidy Scheme (C1SS) under Soil Health Management Scheme, National Mission on Oilseeds and Oil Palm (NMOOP), National Food Security Mission (NFSM) etc. The details are given in the Statement (*See* below).

(c) ICAR under "Network project on soil biodiversity-bio fertilizers" has developed improved and efficient strains of bio-fertilizers specific to different crops and soil types. Indian Council of Agricultural Research (ICAR) study indicates that bio-fertilizers can improve crop yields by 10-25% and supplement costly chemical fertilizer (N. P.) by nearly 20-25% in most of crops when used along with the chemical fertilizers.

**Statement***Steps taken by Government for promotion of organic/bio-fertilisers*

- **Capital Investment Subsidy Scheme (CISS):** Government of India promotes the production of bio-fertilizers under Capital Investment Subsidy Scheme (CISS) by providing 100% assistance to State Govt./ Govt. Agencies upto a maximum limit of ₹ 160.00 lakh/ unit for Setting up of State of art liquid/ carrier based Bio-fertilizer units of 200 Ton Per Annum (TPA) capacity. Similarly, for individuals/ private agencies assistance upto 25% of cost limited to ₹ 40 lakh/unit as capital investment is provided.
- **Paramparagat Krishi Vikas Yojana (PKVY):** Assistance of ₹ 50,000 per hectare/ 3 years is given, out of which ₹ 31,000 (62%) is provided to the farmers directly through DBT, for inputs (bio-fertilizers, biopesticides, vermicompost, botanical extracts etc.) production/ procurement, post harvest management etc.
- **Mission Organic Value Chain Development for North Eastern Region (MOVCDNER):** Farmers are given assistance of ₹ 25000/ ha/ 3 years for both on-farm & off-farm organic inputs, and seeds/ planting material.
- **National Food Security Mission - Oil Seeds and Oil Palm:** Financial assistance fa. 50% subsidy to the tune of ₹ 300/- per ha is being provided for different components including bio-fertilizers, supph of Rhizobium culture/Phosphate Solubilising Bacteria (PSB)/ Zinc Solubilising Bacleria(XSB)/ Azatobacter/ Mycorrhiza and vermi compost.
- **National Food Security Mission (NFSM):** Under NFSM, financial assistance is provided for promotion of Bio-Fertilizer (Rhizobium/ PSB) @50% of the cost limited to ₹ 300 per ha.
- **Integrated Nutrient Management & Integrated Pest Management:** Gol has also been promoting soil test based Integrated Nutrient Management (INM) under Soil Health Card Programme and Integrated Pest management (IPM) practices such as cultural, mechanical, biological control of pests along with judicious use of pesticides to control excess use of fertilisers and pesticides respectively.

**ICAR Research programmes:**

- **One acre Integrated Organic Farming System (IOFS) models:** IOFS models suitable for marginal farmers have been established in Kerala, Meghalaya and

Tamil Nadu which provides scope to generate more than 80 % of inputs required for organic farming within the farm, thus reducing the cost of production.

**All India Network Programme on Organic Farming (AI-NPOF):** Under this programme, management package involving reduced application of nutrients through manures with innovative practices are being evaluated at different locations which also includes use of bio-fertilizers.

#### **Status of Railway projects listed in Railway Pink Book**

\*283. DR. SASMIT PATRA: Will the Minister of RAILWAYS be pleased to state:

(a) the projects listed in Railway Pink Book but not commissioned till date that fall in the State of Odisha and also those that are dropped from the Pink Book as on date; and

(b) the reasons therefor?

THE MINISTER OF RAILWAYS (SHRI PIYUSH GOYAL): (a) Railway projects are sanctioned Zonal Railway-wise and not State-wise. However, presently, 36 Projects costing ₹49.984 crore for 4.567 km. length, falling fully/partly in Odisha are under different stages of planning/approval/execution. This includes:-

10 New Line Projects are covering a length of 1.269 km. at a cost of ₹16.598 crore. out of which 80 km. length has been commissioned and an expenditure of ₹4.260 crore has been incurred upto March 2019.

1 Gauge Conversion (GO) project is covering a length of 140 km. at a cost of ₹1349 crore. out of which 90 km. length has been commissioned and an expenditure of ₹191 crore has been incurred.

25 Doubling Projects are covering a length of 3,159 km at a cost of ₹32,037 crore. out of which 494 km length has been commissioned and an expenditure of ₹8.246 crore has been incurred upto March 2019.

The list of ongoing projects which falls fully/partly in the State of Odisha is given in the Statement (See below) and no ongoing project has been dropped.

Many of these projects are getting delayed due to land acquisition, forestry and wild life clearance, shifting of utilities etc. Under such circumstances, Ministry of Railways has requested Government of Odisha to take appropriate action for clearing the bottlenecks, so that the pace of execution of Railway Projects is expedited.