



GOVERNMENT OF INDIA
MINISTRY OF STEEL
RAJYA SABHA
QUESTION NO 188
ANSWERED ON 06.12.2012

Pollution problem in Steel Authority of India Ltd. SAIL plants

188 SHRI A.V. SWAMY

Will the Minister of STEEL be pleased to state :-

- (a) the steps taken by Government for improvement, in the light of the Centre for Science and Environment's green rating findings of steel sector;
- (b) whether Government could come out with an independent White Paper on the status of pollution problem in the five major integrated plants of SAIL with time-line to shut down age-old production equipments, especially at Rourkela;
- (c) the steps taken to address the poor health and safety records of steel sector, especially of contract workers, and on concerns of the affected local community on pollution and rehabilitation;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?



ANSWER

(a)to(e): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (A) TO (E) OF THE RAJYA SABHA STARRED QUESTION NO.*188 FOR ANSWER ON 06/12/2012 TABLED BY SHRI A.V. SWAMY, MEMBER OF PARLIAMENT REGARDING POLLUTION PROBLEM IN STEEL AUTHORITY OF INDIA LTD. (SAIL) PLANTS

(a) Centre for Science & Environment, a Delhi based NGO has recently come with a Green Rating Project (GRP) report on the environmental performance of 21 Indian iron & steel plants. Ministry of Steel has looked into this Report in consultation with the steel plants. The report has been taken with a positive spirit by the steel sector for improvement in their environmental performance.

(b) Steel Authority of India Limited (SAIL) has a well structured and robust environment management system in place at all its plants. A multi-pronged strategy takes care of the short and long term schemes for pollution control. These include compliance to statutory norms, benchmarking with respect to national and international best practices, phasing out of obsolete technologies and ushering in new, cleaner and energy efficient technologies. SAIL is spending more than Rs.5000 crore exclusively on environmental protection measures in its ongoing modernization/ expansion plan. The modernization/ expansion plan of SAIL including that at Rourkela Steel Plant addresses the vital issues of elimination of technological obsolescence by phasing out technologies and equipment resulting in adoption of clean technologies.

(c)&(d): Indian Steel Plants are committed to provide a safe and healthy work environment for the employees including contract workers. A number of measures like compliance to all statutory rules and regulations, development and adherence to safe operating and maintenance practices, training programmes and workshops for all level of employees including contract workers etc. are in vogue. Further, occupational health is one of the thrust areas in the steel companies. All the integrated plants have well established Occupational Health and Safety (OHS) centres primarily entrusted with preventive, promotive and curative functions. Periodic health checkups are conducted with emphasis of early detection and intervention for work related health problems. The steel plants have also taken a number of steps to comply with the laid down standards and norms at and around the steel plants addressing thereby the concerns of local communities.

(e) Does not arise in view of (c) and (d) above.



Hindi Version:

इस्पात मंत्रालय

राज्य सभा

तारांकित प्रश्न संख्या *188

6 दिसंबर, 2012 को उत्तर के लिए

भारतीय इस्पात प्राधिकरण लिमिटेड के संयंत्रों में
प्रदूषण की समस्या

*188 श्री ए.वी. स्वामी:

क्या इस्पात मंत्री यह बताने की कृपा करेंगे कि:

(क) 'सेंटर फॉर साइंस एण्ड एन्वायरमेंट' द्वारा इस्पात क्षेत्र की ग्रीन रेटिंग निष्कर्षों के परिप्रेक्ष्य में, सरकार द्वारा सुधार हेतु कौन-कौन से कदम उठाए गए हैं;

(ख) क्या सरकार विशेषकर राउरकेला में वर्षों पुराने उत्पादन उपकरणों के पयोग को एक समय-सीमा के अंतर्गत बंद किए जाने और भारतीय इस्पात प्राधिकरण लिमिटेड के पांच बड़े एकीकृत संयंत्रों में प्रदूषण की समस्या की स्थिति के संबंध में अलग से कोई 'श्वेत-पत्र' प्रकाशित करेगी;

(ग) इस्पात क्षेत्र, विशेषकर ठेका श्रमिकों के खराब स्वास्थ्य एवं सुरक्षा रिकार्ड तथा प्रदूषण एवं पुनर्वास के संबंध में प्रभावित स्थानीय समुदाय की दुश्चिंताओं से निपटने हेतु कौन-कौन से कदम उठाए गए हैं;

(घ) यदि, हां तो तत्संबंधी ब्यौरा क्या है; और

(ड.) यदि नहीं, तो इसके क्या कारण हैं ?

उत्तर

इस्पात मंत्री

(श्री बेनी प्रसाद वर्मा)

(क) से (ड.): एक विवरण सदन के पटल पर रख दिया गया है।



‘भारतीय इस्पात प्राधिकरण लिमिटेड के संयंत्रों में प्रदूषण की समस्या’ के बारे में श्री ए.वी. स्वामी, संसद सदस्य द्वारा दिनांक 6.12.2012 को पूछे गए राज्य सभा तारांकित प्रश्न सं. *188 के भाग (क) से (ड.) के उत्तर में उल्लिखित विवरण

(क): सेंटर फॉर साईंस एंड एन्वायरमेंट, दिल्ली आधारित एक एनजीओ ने हाल ही में 21 भारतीय लोहा एवं इस्पात संयंत्रों के पर्यावरणीय निष्पादन के संबंध में एक ग्रीन रेटिंग प्रोजेक्ट रिपोर्ट (जीआरपी) प्रकाशित की है। इस्पात मंत्रालय ने स्टील संयंत्रों के साथ परामर्श करके इस रिपोर्ट की जांच की है। स्टील क्षेत्र द्वारा अपने पर्यावरणीय निष्पादन में सुधार करने के लिए इस रिपोर्ट पर एक सकारात्मक रुख लिया है।

(ख): सेल के अपने सभी संयंत्रों में एक सुव्यवस्थित एवं प्रभावी पर्यावरण प्रबंध प्रणाली मौजूद है। प्रदूषण नियंत्रण के लिए एक बहुमुखी नीति में अल्प और दीर्घकालीन स्कीमों को ध्यान में रखा गया है। इनमें सांविधिक मानकों की अनुपालना, राष्ट्रीय एवं अंतर्राष्ट्रीय सर्वोत्तम पद्धतियों के संबंध में बैच मार्किंग, पुरानी प्रौद्योगिकियों को हटाना तथा नई, स्वच्छ एवं कम ऊर्जा खपत वाली प्रौद्योगिकियों को अपनाना आदि शामिल है। सेल अपनी चल रही आधुनिकीकरण एवं विस्तार योजना के तहत मात्र पर्यावरणीय सुरक्षा उपायों पर 5000 करोड़ रुपये से अधिक धनराशि खर्च कर रहा है। राउरकेला स्टील प्लांट समेत सेल की आधुनिकीकरण/विस्तार योजना से पुरानी प्रौद्योगिकियों को हटाए जाने के महत्वपूर्ण मुद्दे का समाधान हो जाता है जिसके तहत प्रौद्योगिकियों और उपस्कर को हटाया जाता है और परिणामस्वरूप स्वच्छ प्रौद्योगिकियों को अपनाया जाता है।

(ग) और (घ): भारतीय स्टील संयंत्र संविदागत श्रमिकों समेत कर्मचारियों के लिए कार्य का सुरक्षित और स्वास्थ्यप्रद वातावरण प्रदान करने के लिए प्रतिबद्ध है। कई उपाय यथा सभी सांविधिक नियम एवं विनियमों की अनुपालना, सुरक्षित प्रचालनात्मक एवं अनुरक्षण पद्धतियों का विकास एवं अनुपालन, ठेकागत श्रमिकों समेत सभी स्तर के कर्मचारियों के लिए प्रशिक्षण कार्यक्रम एवं कार्यशालाएं इत्यादि किए जा रहे हैं। इसके अतिरिक्त, स्टील कंपनियों में व्यवसायगत स्वास्थ्य एक अधिक जोर दिया जाने वाला क्षेत्र है। सभी एकीकृत संयंत्रों ने ओक्यूपेशनल हैल्थ एंड सेफ्टी (ओएचएस) केन्द्र भली-भांति स्थापित किए हैं जिन्हें मुख्य रूप से बचावकारी, प्रोत्साहक और रोगनाशक कार्य सौंपे गए हैं। आवधिक स्वास्थ्य जांच कराई जाती है जिसमें अधिक जोर कार्य से जुड़ी स्वास्थ्यगत समस्याओं का शीघ्र पता लगाने और इस संबंध में हस्तक्षेप करने पर दिया जाता है। स्टील संयंत्रों ने स्टील संयंत्रों एवं इसके ईर्द-गिर्द सभी निर्धारित मानकों एवं मानदंडों की अनुपालना करने के लिए कई कदम उठाए हैं जिससे स्थानीय समुदाय की चिंताओं का समाधान हुआ है।

(ड.) उपरोक्त (ग) और (घ) के उत्तर को देखते हुए प्रश्न नहीं उठता।

GOVERNMENT OF INDIA
MINISTRY OF
ENVIRONMENT AND FORESTS
LOK SABHA
UNSTARRED QUESTION NO. 561

ANSWERED ON 26.11.2012

POLLUTION CAUSED BY STEEL INDUSTRIES¹

561 . Shri JAGDISH SHARMA and BAIJAYANT PANDA

Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:-

- (a) whether according to a report by Centre for Science and Environment, the iron and steel industries are failing to meet environmental norms despite securing certification for high level of environmental and safety management systems;**
- (b) if so, the details thereof and the action taken thereon;**
- (c) whether the Government is considering to increase the environmental norms and standards for these industries; and**
- (d) if so, the details thereof with the reviews on environmental clearance being given to these industries?**

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT AND FORESTS (SHRIMATI JAYANTHI NATARAJAN)

(a)&(b) As reported by the Central Pollution Control Board, two of the twelve major integrated Iron and Steel Plants were found to be non-compliant. Directions under Section 5 of the Environment (Protection) Act, 1986 were issued to Bokaro Steel Plant, Bokaro and Directions under Section 18 (1) (b) of the Air (Prevention and Control of Pollution) Act, 1981 were issued to Jharkhand State Pollution Control Board for Indian Iron & Steel Company (IISCO) Steel Plant, Burnpur. In addition, Directions were also issued under Section 5 of the Environment (Protection) Act, 1986 to seven sponge iron plants and under Section 18(1) (b) of the Air (Prevention and Control of Pollution) Act, 1981 to the State Boards of Jharkhand, Chattisgarh, Odisha, West Bengal, Maharashtra and Andhra Pradesh to ensure compliance from sixteen sponge iron plants.

(c)&(d) The standards for iron and steel sector have been harmonized in 2012 with development / revision of standards for Blast Furnace and Basic Oxygen Furnace.

¹ Source: <http://164.100.47.132/LssNew/psearch/QResult15.aspx?qref=130087>

ANNEXURE

**ANNEXURE-I REFERRED TO IN REPLY TO PART (a) AND (b) OF LOK SABHA
UNSTARRED QUESTION NO. 561 DUE FOR REPLY ON 26.11.2012
REGARDING POLLUTION CAUSED BY STEEL INDUSTRIES RAISED BY SHRI JAGDISH
SHARMA AND SHRI BAIJAYANT JAY PANDA.**

Directions under Section 18 (1) (b) of Air Act, 1981 and Water Act, 1974

S. no.	Name of the Industry	Non compliance	Status
1.	M/s. Tayo Rolls Ltd., Kharsawa, CG	<ul style="list-style-type: none"> • APCD not operating • Non compliance to effluent standards • Heavy fugitive emissions 	Directions under Section 18 (1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 were issued to JSPCB on November 11, 2009. JSPCB issued Directions under Section 31 of The Air (Prevention and Control of Pollution) Act, 1981 on February 24, 2010. Industry was given three months time to upgrade the pollution control systems. MS, JSPCB wrote to regional officer, Jamshedpur to inspect the industry and provide current status of compliance. Letter received from JSPCB enclosing minutes of show cause notice hearing dated 6.12.10 due to non compliance of directions issued under Section 31A of the Air (Prevention and Control of Pollution) Act, 1981. The unit was directed to comply with directions within 2 months, submit BG of Rs. 10 lacs. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
2.	M/s. Foundry Forge plant, Heavy Engineering co-operation, Ranchi, CG	<ul style="list-style-type: none"> • APCD not operating • Non compliance to effluent standards 	Directions under Section 18 (1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 were issued to JSPCB on Feb 09, 2010. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
3.	M/s. Usha Martin Ltd., Tatisiwai, Ranchi, CG	<ul style="list-style-type: none"> • PM emissions from CPP, SMS, WHRB exceeding prescribed standards 	Directions under Section 18 (1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 were issued to JSPCB on July 16, 2010. The industry was again inspected jointly by ZO (K) and JSPCB in pursuant of complaint received from Shri G.S. Rajukhedi, MP Dhar. Violation are detected Directions under section 18 (1)(b) of Air Act, 1981 and Water Act, 1974 initiated. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
4.	M/s. Jayaswal Neco Industries Ltd., Siltara, Raipur, CG	Heavy fugitive emissions	Directions under Section 18 (1) (b) Of The Air (Prevention and Control of Pollution) Act, 1981 issued on November 16, 2009. To verify compliance status ZO(B) inspected the industry on feb 26, 2011. Industry is found to be partially complying with the directions issued by CPCB. Follow up letter written to SPCB for current compliance status. No response received. Follow up letter again to SPCB to give current compliance status.
5.	M/s. Sarda Energy & Minerals Ltd., Siltara, Raigarh, CG	Heavy fugitive emissions	Directions under Section 18 (1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 issued on December 15, 2009. To verify compliance status ZO (B) inspected the industry on Feb 26, 2011. Major conditions in the Direction issued are found to be complying. The industry was again inspected under ESS program on March 16, 2012. Minor violations were observed. Letter was sent to SPCB communicating the same vide letter dated 12.7.12.

S. no.	Name of the Industry	Non compliance	Status
6.	M/s. Jindal Steel & Power Ltd., Raigarh, CG	<ul style="list-style-type: none"> PM emissions from AFBC, BF, PP, SMS, WHRB exceeding prescribed standards Heavy fugitive emissions 	Directions under Section 18 (1) (b) Of The Air (Prevention and Control of Pollution) Act, 1981. To verify compliance status ZO(B) inspected the industry on Feb 1, 2011. Major conditions in the Direction issued are found to be complying.
7.	M/s. SKS Ispat & Power Ltd., Raipur, CG	<ul style="list-style-type: none"> PM emissions from kiln 3,4 & WHRB exceeding prescribed standards Heavy fugitive emissions 	Directions under Section 18 (1) (b) Of The Air (Prevention and Control of Pollution) Act, 1981 on December 23, 2009. To verify compliance status ZO (B) inspected the industry on feb 26, 2011. Major conditions in the Direction issued are found to be complying. Unit was again inspected on January 6, 2012 under ESS program and was found to be non compliant. Modified directions under section 18 (1) (b) of The Air Act, 1981 have been issued. Follow up letter to SPCB to give current compliance status.
8.	M/s Dhanbad Fuels Pvt. Ltd., Baktanagar, Raniganj, WB	<ul style="list-style-type: none"> Heavy fugitive emissions Hazardous waste disposal facility not adequate 	Directions under Section 18 (1) (b) Of The Air (Prevention and Control of Pollution) Act, 1981 on June 29, 2010. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
9.	M/s. Rishabh Sponge Pvt. Ltd., Bankura, WB	<ul style="list-style-type: none"> PM emissions from kiln exceeding prescribed standards 	Directions under Section 18 (1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 were issued to WBPCB on December 23, 2009. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
10.	M/s. Amiya Steel Pvt Ltd, WB	<ul style="list-style-type: none"> Heavy fugitive emissions No authorization under the Hazardous Waste (Management & Handling) Rules 1989 Emissions from emergency cap 	Industry was inspected on June 15, 2011. Direction under Section 18 (1) (b) of the Air Act, 1981 issued to SPCB vide letter dated Sep 13, 2011. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
11.	M/s. Lloyd steel industries Ltd., Wardha, Maharashtra	PM emissions from acid recovery plant exceeding prescribed standards	It was inspected during 24 June 2011. PM emissions were found to be exceeding the stipulated limits. Direction under Section 18 (1) (b) of the Air Act, 1981 is issued to SPCB. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
12.	M/s Tata metaliks Ltd., Sindhudurg, Maharashtra	Non compliance to effluent standards	ESS inspection was held on 29.12.10. Direction under Section 18(1)(b) of The Air (Prevention and Control of Pollution) Act, 1981 and The Water (Prevention and Control of Pollution) Act, 1974 issued dated 4 April 2011. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
13.	M/s. Viraj Profiles Ltd., Tarapur, Maharashtra	<ul style="list-style-type: none"> Heavy fugitive emissions APCD & ETP non operational 	ESS inspection was held on 11.1.11. Direction under Section 18(1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 and The Water (Prevention and Control of Pollution) Act, 1974 issued dated 4 April 2011. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.
14.	M/s. Essar Steel Ltd. (formerly Hy-grade pellets Ltd.), AP	PM emissions from indurating furnace exceeding prescribed standards	It was inspected during 27-28 April 2011. Stack emissions and AAQ were found to be exceeding the stipulated limits. Direction under Section 18 (1) (b) is issued. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.

S. no.	Name of the Industry	Non compliance	Status
15.	M/s. Bihar Sponge Iron Ltd., Chandil, Singbhum, Jamshedpur, Jharkhand	<ul style="list-style-type: none"> Emissions from emergency cap Non compliance to effluent standards 	Industry was inspected on 26 November, 2008. Directions under Section 18 (1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 were issued to JSPCB on April 24, 2009. JSPCB issued Directions under Section 31 of The Air (Prevention and Control of Pollution) Act, 1981 on July 16, 2009. The industry was again inspected jointly by ZO (K) and JSPCB in pursuant of complaint received from Shri G.S. Rajukhedi, MP Dhar. Violation detected, Directions under section 18 (1) (b) of Air Act, 1981 and Water Act, 1974 initiated. Industry again inspected by ZO (K) and JSPCB jointly on 8 June 2011 and is found to be complying.
16.	M/s. NTPC SAIL Power Ltd., Rourkela, Orissa	<ul style="list-style-type: none"> Consent expired PM emissions from boiler exceeding prescribed standards 	Directions under Section 18 (1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 were issued to OSPCB on September 16, 2010. Follow up letter written to SPCB. No response received. Follow up letter again to SPCB to give current compliance status.

ANNEXURE-II REFERRED TO IN REPLY TO PART (a) AND (b) OF LOK SABHA UNSTARRED QUESTION NO. 561 DUE FOR REPLY ON 26.11.2012 REGARDING POLLUTION CAUSED BY STEEL INDUSTRIES RAISED BY SHRI JAGDISH SHARMA AND SHRI BAIJAYANT JAY PANDA.

Directions under Section 5 of E (P) Act, 1986

S. no.	Name of the Industry	Non compliance	Present status
1.	M/s Prakash Industries Ltd., Hathneora, Champa	<ul style="list-style-type: none"> Particulate Matter emissions from both the operational kilns and FBB exceeding the prescribed standards Emergency cap of Kiln was open High fugitive emissions 	Directions under Section 5 of E (P) Act 1986 issued on 1.07.10. Reinspected by ZO (Bhopal) and found non compliant. Directions for closure issued on 22.03.11. Unit continued to operate. DM champa written to discontinue electricity and water supply. Petition filed by industry and stay order obtained. CPCB, CECB and MoEF made respondents. Matter pending in court for final hearing.
2.	M/s. Monnet Ispat and Energy Ltd., Hasaud, Raipur	<ul style="list-style-type: none"> Particulate Matter emissions from AFBC – I & II were higher than the prescribed limits Heavy fugitive emissions 	Direction under Section 5 of E(P)Act, 1986 issued on 13.04.10 to submit BG. Reinspection by ZO (B) on 25.2.11. Found non compliant. Modified Direction issued on 20.04.11 to submit fresh BG of Rs. 10 Lacs and to ensure comply by 30.06.11. The previous BG forfeited. The Industry submitted progress report on 17.6.11. Reinspection by ZO (B). Found mostly compliant. Unit asked to submit stack and fugitive emission data fortnightly. The same is complied, data within stipulated limits. Industry freshly inspected under ESS. Minor violations found. Industry written to take corrective measures by October 2012.
3.	M/s. Bhushan Steel Ltd., Narendrapur, Dhenkanal	<ul style="list-style-type: none"> PM emissions exceeding prescribed standards for rotary kiln Non compliance to effluent standards 	Directions under section 5 of E(P) Act, issued on 04.05.11 to submit time bound action plan and BG of Rs. 10 Lacs. BG submitted. Reinspection by ZO(K) on 20-21.09.11. Major violations found. BG forfeited. Directed on 10.01.12 to close down Kiln 8. Industry submitted reply that non compliance was due to technical problems. Reinspection by ZO during 20-21.03.12, industry found compliant.

S. no.	Name of the Industry	Non compliance	Present status
4.	MSP Steel & Power Ltd., Jamgaon, Raigarh	<ul style="list-style-type: none"> PM emission for ferro alloys stack exceeding the prescribed standards RSPM in Ambient air exceeding the standard Heavy fugitive emissions 	Notice under Sec 5 of E (P) Act issued on 19.1.12 to submit BG of Rs. 10 Lacs & ensure compliance. BG submitted
5.	M/s. Corporate Ispat Alloys Ltd., Siltara industrial area, Raipur	<ul style="list-style-type: none"> PM emissions from stack of Kiln & WHRB exceeding the prescribed standards Heavy fugitive emissions 	Notice under Section 5 of E(P) Act issued on 27.07.12 to ensure compliance & submit BG. Confirmed Direction U/S 5 of E(P) Act issued on 25.09.12. BG submitted.
6.	Shri Bajrang Power & Ispat Ltd., Urla industrial area, Raipur	<ul style="list-style-type: none"> Stack emissions from AFBC & WHRB exceeding the prescribed standards Heavy fugitive emissions 	Notice under Section 5 of E(P) Act issued on 12.7.12. Industry informed compliance. ZO requested for reinspection.
7.	Sree Metaliks, Noida pada, CG	Stack emissions exceeding the prescribed standards	Notice under Section 5 of E (P)Act issued. Industry informed compliance. ZO requested for reinspection.
