

GOVERNMENT OF INDIA
Ministry of Environment and Forests
(Regional Office, Southern Zone)
Bangalore-34

MONITORING REPORT

F. No. EP/12.1/49/GOA

- 1 Name of the project Const. of two multipurpose cargo berths (5-A & 6-A) in Mormugao Port on BOOT basis by M/s. South West Port Ltd (formerly ABG Goa Port Ltd)
- 2 Clearance letter No.& date PD-26018/2/2000-PDZ (CRZ) dt.24.1.2001
- 3 Location: District & State / UT Mormugoa port, Goa
- 4 Address for correspondence: Mr Anthony Fernandes, Unit In-Charge
South West Port Limited.
1st Floor, Port Users Complex
Mormugao Harbour, Goa-403 803
Phone: 0832- 2523000/002
Fax: 0832-2523006
- 5 Date of site visit for this report 01.06.2017
- 6 Date of previous visit(s) if any 23.01.2007 & 03.07.2008
- 7 Present status of the project

The site visit was made to this port project along with Shri Anthony Fernandes, Unit In-Charge, Shri Patra and Jadhav, Manager (EHS) of South West Port Limited (SWPL) (formerly ABG Goa Port Ltd.).

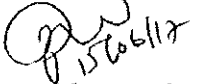
Environmental Clearance: Environmental clearance for the development of berths Nos 5A & 6A were granted by the Ministry of Shipping (Port Wing) in the year 2001 (when it was with delegated power to grant EC). It was operational under Mormugao Port Trust subsequently taken over by South West Port Ltd (SWPL) on BOOT basis in 2004 and the commercial operations are started since February 2005.

Coal Handling: SWPL has developed fully mechanized cargo handling system along with state of the art dust suppression system, for handling the imported coking coal which included unloading of coal into hoppers, closed conveyors for coal transport, water sprinklers for dust suppression, cover for coal storage, auto loading in to the wagons etc. The house keeping is good. The compliance to different conditions of the environmental clearance is satisfactory.

Continuous Air Quality Monitoring: A continuous air quality monitoring station as per guidelines of Goa State Pollution Control Board has been installed and the data are sent to SPCB through MPT.

Environment Cell: PA informed that MPT has set a separate Environmental Cell with person qualified in the filed of Environment. An Environmental person from SWPL is also part of the Cell.

The detailed point wise compliance status is given in this report. The Compliance is Satisfactory.


(E.Thirunavukkarasu)
Scientist 'D'

എസ്.കെ. പി. ശ്രീ
13/06/12

PART-II - Compliance Status in brief

Status of compliance to the Environmental clearance issued by the Ministry of Shipping (Ports Wing) for the Construction of two multipurpose cargo berths (5-A & 6-A) in Mormugao Port on BOOT basis by M/s. ABG Goa Port Ltd, issued vide Ref: No. PD-26018/2/2000-PDZ (CRZ) dt.24.1.2001

<u>No</u>	<u>SPECIFIC CONDITIONS</u>	<u>COMPLIANCE</u>
1	All constructions as per approval	Complied
2	Adequate infrastructure to labourers	Complied
3	Dredging operations with out adverse impact	Complied
4	Disposal site not to interfere with natural drainage	Complied
5	Adequate fire fighting system in place	Complied
6	Staff to be trained in crisis management	Complied
7	Development of green belt	Complied
8	Liquid waste management	Complied
9	Adequate noise control measures	Complied
10	Quality of treated effluents to confirm standards	Complied
11	Environment cell to be set up	Complied
12	Necessary leakage detection system be provided	No Liquid handled
13	Standby DG sets for fire fighting system	Complied
14	Third party inspection during construction	Complied
15	Full support to RO scientists for inspection	Complied
16	Adequate funds for safeguards	Complied
17	Implement the environment management plan	Complied



Part -III - Detailed Compliance status of specific conditions

- i **All constructions & drawings must have the approval of the competent authority.**
- Construction activities have been completed and operational. PA produced the approval of Port authorities and consent order of SPCB.
- ii **Adequate infrastructure facilities to the workers during construction.**
- PA informed that adequate infrastructure facilities were provided to the workers during the construction.
- iii **Dredging operations to be restricted to the minimum without affecting water quality & marine environment.**
- PA informed that only maintenance dredging in Port is being done by Mormugao Port Trust as and when required and the dredged materials is disposed at the identified dump site.
- iv **Disposal sites for excavated material to be done in such a way it do not interfere with natural drainage.**
- The dredge material was disposed a the designated dump site in consultation with NIO Goa.
- v **Adequate fire fighting system should be in place.**
- Fire fighting equipment including fire extinguishers have been installed at strategic locations and PA informed that they are getting support firefighting system from MPT fire Station and Goa Fire Brigade.
- vi **The staff posted in the sensitive zone to be properly trained in the implementation of Crisis management Plan prepared by the authorities.**
- The project authorities have informed that their staffs are periodically trained for safety precautions and crisis management. As per crisis management plans mock drills are conducted periodically. In the year 2016, mock drills were conducted on 16.02.2016 and 21.08.2016.
- vii **Development of green buffer with necessary species of plants.**
- PA has developed green belt within the available space and also informed that green belt developed in Dabolim airport road, Vasco road, and Vasco city.



viii **Provision for collection, treatment and disposal of liquid waste from the ships.**

PA informed that the collection, treatment and disposal of liquid waste from the ships is being done by Mormugao Port Trust. As per the information provided, the Mormugao Port Trust is having necessary facilities for the collection, treatment and disposal of liquid wastes from ships. These terminals handle only solid cargo. One settling tank is provided in the coal handling area to take care of the surface runoffs. PA has plan to provide covered shed for coal storage in near future.

ix **Adequate noise control measures to be in place**

It was noted that personal noise control equipment like ear muffs are provided to the staff. PA informed that Mufflers, exhaust manifolds of Port equipment are regularly serviced. Noise level surveys are also conducted through competent agencies and readings revealed that the levels are within the limits.

x **Quality of the treated effluents to confirm standards.**

The project authorities are handling only coal and as such no effluents are generated.

xi **An environmental cell to be set up with lab facilities for monitoring.**

PA informed that MPT has set a separate Environmental Cell with person qualified in the filed of Environment. An Environmental person from SWPL is also part of the Cell.

PA has installed a continuous air monitoring station as per guidelines of Goa State Pollution Control Board and the data are sent to SPCB through MPT.

xii **Necessary leakage detection devices with early warning system to be provided.**

The project authorities have informed that this condition is not applicable as they are not handling any hazardous chemicals or fluids.

xiii **Standby DG sets must be provided to ensure uninterrupted power supply to pump house and fire fighting systems.**

Standby DG sets are in place

xiv **Third party inspection during construction & operational phase with adequate insurance cover.**

PA informed that Port assets are covered under General Insurance Port Package Policy



xv **Full support to RO scientists for inspection.**

Necessary assistance for monitoring was provided.

xvi **Adequate fund provision for environmental safeguards**

The project authorities allocated necessary funds to implement the environmental safeguards.

xvii **Project authorities to follow mitigative measures as per the plans prepared and submitted**

The project authorities have provided mitigative measures such as closed conveyors for coal transport, water sprinklers for dust suppression, cover for coal storage, auto loading in to the wagons etc.

copy to R/1/1/12
D. J. 13/6/12


(E. Thirunavukkarasu)
Scientist 'D'