



Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

To,

The Vice President Projects  
SOUTH WEST PORT LIMITED  
JSW Centre,  
JSW Infrastructure Limited,  
Bandra Kurla Complex,  
Bandra East,  
Mumbai,,Mumbai City,Maharashtra-400051

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/GA/MIS/26758/2015 dated 15 Jul 2017. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | EC23A033GA138407   |
| 2. File No.                                | 10-5/2015-IA-III   |
| 3. Project Type                            | Modernization  |
| 4. Category                                | A  |
| 5. Project/Activity including Schedule No. | 7(e) Ports, Harbours   |
| 6. Name of Project                         | Proposed Terminal Capacity Enhancement At Berth 5A-6A of Mormugao Port for Handling Coal And Coal Products, Iron Ore And Limestone including Unitised and Steel Products |
| 7. Name of Company/Organization            | SOUTH WEST PORT LIMITED  |
| 8. Location of Project                     | Goa  |
| 9. TOR Date                                | 19 Jun 2015  |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 11/01/2023

(e-signed)  
Amardeep Raju  
Scientist E  
IA - (INFRA-1 sector)

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

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**F. No. 10-5/2015-IA.III [E-93155]**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(IA-III Section)**

Indira Paryavaran Bhawan,  
Jor Bagh Road, NewDelhi-110003

Date: ~~December, 2022~~

**To**  
**M/s South West Port Limited**  
1<sup>st</sup>Floor, Port Users Complex,  
Mormugao Port, Mormugao,  
Goa-403802.

**Subject: Proposed Terminal Capacity Enhancement at Berth 5A-6A of Mormugao Port for Handling Coal and Coal Products, Iron Ore and Limestone including Unitised and Steel Products at Mormugao Port Trust, Mormugao, Goa by M/s South West Port Ltd. - Environmental and CRZ Clearance - reg.**

Sir,

This has reference to your online Proposal No. IA/GA/MIS/26758/2015 dated 15<sup>th</sup> July, 2017, submitted to this Ministry for grant of Environmental and CRZ Clearance in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 and Coastal Regulation Zone (CRZ) Notification, 2011, under the Environment (Protection), Act, 1986

2. The project/activity is covered under category 'A' of item 7 (e) i.e. Ports, harbours, breakwaters, dredging' of the schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central level.

3. The proposal 'Proposed Terminal Capacity Enhancement at Berth 5A-6A of Mormugao Port for Handling Coal And Coal Products, Iron Ore and Limestone including Unitised and Steel Products at Mormugao Port Trust, Mormugao, Goa by M/s South West Port Ltd.' was considered by the Expert Appraisal Committee (Infra- 2) in its 2<sup>pt</sup> meeting held on 21 - 24 August, 2017, 24<sup>th</sup> meeting of EAC held on 30 - 31 October, 2017, 26<sup>th</sup> meeting held on 14 - 15 December, 2017, 31<sup>st</sup> meeting held on 29 - 30 May, 2018, 33<sup>rd</sup> meeting held on 9-10 August, 2018 and 36<sup>th</sup> meeting held on 26 - 28 November, 2018.

4. The project proponent and the accredited Consultant M/s WAPCOS Limited gave a detailed presentation on the salient features of the project and informed that:





- i. South West Port Ltd. (SWPL) operates berth 5A and 6A at the Mormugoa Port Trust (MPT), Goa, one of the major ports in India. The facilities are located inside a naturally protected harbour in the confluence Zone of Zuari River with the Arabian Sea. The Terminal is operating since 2004. Over the years the unloading system at the berth, the conveying system from berth to the stockyard, from stockyard to the rake loading system has been in use for the last 13 years and is operating at a much-reduced efficiency.
- ii. Therefore, SWPL is proposing to deploy highly mechanised and efficient environment friendly material handling systems so that the cargo handling capacity at the berth is increased consequentially, in the process reducing environmental pollution by retrofitting state of art latest dust entrapment systems to meet its demand. SWPL is handling cargos like coal, limestone and steel products at berth 5A & 6A by cranes, ship unloaders and wagon loading system.
- iii. After modernisation, the consequential capacity enhancement shall be achieved by deploying highly mechanised and efficient environment friendly material handling system, and by enhancing the existing conveyor speed, and improving the rake loading turnaround time through operational efficiency, thus, making the evacuation and despatch more efficient. Consequentially the total cargo to be handled is expected to go up to 12 to 13 MTPA of bulk (consisting of coal, iron ore, lime stone, dolomite, bauxite, mineral ores and other miscellaneous cargo), and about 2 MTPA of unitised cargo (consisting of steel bars, coils, flats and plates, and other steel products). The total cargo handling capacity hence is expected to increase to about 14 to 15 MTPA.
- iv. The Terminal modernization by deploying efficient material handling systems like Grab Ship Unloader (GSU), Stacker-cum-Reclaimer (ScR), Closed/Pipe Conveyor, In-motion Wagon Loading System, Silos, Wagon Loader and Gantry Cranes, covered shed for coal, steel sheds would lead to consequential increase in terminal efficiency. With better utilization of existing resources and overall net reduction in the pollution level due to retrofitting material handling systems with latest dust entrapment systems and barriers, there will be an increase in capacity of the terminal, without change in the stockyard area and waterfront area.
- v. The site is connected by road and railway. The nearest railway station is Vasco which is about 4 km on the southern railways, and Madgaon is about 35 km on the Konkan railways. The nearest airport is Dabolim at about 6 km.
- vi. The proposal was granted ToR vide MoEFCC letter dated 19.06.2015 for preparation of draft EIA report, and to conduct Public Hearing (PH) prior the Environmental Clearance (EC).

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- vii. The draft EIA report is prepared and submitted to GSPCB for conducting Public Hearing, and the public hearing is completed on 26.04.2017.
- viii. CRZ recommendation is granted by Goa Coastal Zone Management Authority (GCZMA) vide its letter No. GCZMA/S/17-18/19/899 dated 18.08.2017.
- ix. Investment/Cost of the project Approx.300Crores.
- x. Employment potential: The expansion project is expected to generate employment opportunity.
- xi. Benefits of the project: The overall pollution level from the project will be reduced. Due to intensification in port area usage, more traffic will be possible from the same berth and backup infrastructure leading to better throughput of SWPL and of MPT, there will be increase in efficiency of cargo handling. Local people will be benefited through company's CSR activities. The project will generate primary, secondary and tertiary employment. MPT will be benefited by means of increase in revenue from SWPL.

5. The Expert Appraisal Committee (Infra-2) in its 36th meeting held on 26 - 28 November, 2018, after detailed deliberations on the project, has recommended the project for grant of Environmental and CRZ Clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental and CRZ Clearance for the project 'Proposed Terminal Capacity Enhancement at Berth 5A-6A of Mormugao Port for Handling Coal And Coal Products, Iron Ore and Limestone including Unitised and Steel Products at Mormugao Port Trust, Mormugao, Goa by M/s South West Port Ltd.', under the provisions of the EIA Notification, 2006 and CRZ Notification, 2011 and amendments thereto and circulars issued thereon and subject to the compliance of the following specific and general conditions as under:-

**A. SPECIFIC CONDITIONS:**

- i. The grant of Environmental and CRZ Clearance is subject to the final outcome of the pending cases i.e. Civil Application No. 64/2018 in WP No. 2011/2018; PIL 24/2018 (Sherwyn Correia & Ors. Vs GSPCB and Ors; Pollution Appeal No. 9/18/Air and Pollution Appeal No. 10/18/Air.
- ii. Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- iii. All the recommendations and conditions specified by the Goa Coastal Zone Management Authority vide letter no. GCZMA/S/17-18/19/899 dated 18.08.2017 shall be complied with.
- iv. The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of





- water is maintained.
- v. Dredging shall not be carried out during the fish breeding season.
  - vi. Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
  - vii. Dredged material shall be disposed safely in the designated areas.
  - viii. Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.
  - ix. The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.
  - x. While carrying out dredging, an independent monitoring shall be carried out by Government Agency/Institute to check the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.
  - xi. Mitigative measures as given in the Marine Diversity Conservation Management Plan prepared by Centre for Advanced Studies in Marine Biology (CASMB), Annamalai University for protection of marine life, atmospheric environment and to promote turtle nesting shall be complied with in letter and spirit.
  - xii. A copy of the Marine and riparian biodiversity management plan duly validated by the State Biodiversity Board shall be submitted before commencement of implementation.
  - xiii. Marine ecology shall be monitored regularly in terms of all micro, macro and mega floral and fauna components of marine biodiversity including sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan. The monitoring should also cover various physico-chemical parameters coupled with biological indices such as microbes, plankton, benthos and fishes on a periodic basis during construction and operation phase of the project. Any deviations in the parameters shall be given adequate care with suitable measures to conserve the marine environment and its resources.
  - xiv. The project proponents would also draw up and implement a management plan for the prevention of fires due to handling of coal.
  - xv. Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
  - xvi. Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities





- including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
- xvii. All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.
  - xviii. Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
  - xix. Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.
  - xx. The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.
  - xxi. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.
  - xxii. As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, the project proponent shall prepare and implement Corporate Environment Responsibility (CER) for the activities as per OM. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.
  - xxiii. The project proponent shall conduct source apportionment study to identify and quantify sources of pollution from individual activities being carried out in the project and implement the findings/recommendations of the study relevant for the protection of environment in the area to the satisfaction of State Pollution Control Board.
  - xxiv. The grant of Environmental and CRZ Clearance is subject to final outcome/legal opinion on the Order dated 22<sup>nd</sup> November, 2017 of Hon'ble NGT in the Original Application No. 424 of 2016 (Earlier O.A. No. 169 of 2015) and Original Application No. 11 of 2014 in the matter of M/s. Mehdad & Anr. Vs. Ministry of Environment, Forests & Climate Change & Ors. and Shamsunder Shridhar Dalvi & Ors. Vs. Govt. of India & Ors.
  - xxv. The project proponent shall ensure that the project is in consonance with the new CZMP prepared by the State Government under the provisions of CRZ Notification, 2011.

**B. GENERAL CONDITIONS:**

- i. Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.





- ii. Full support shall be extended to the officers of this Ministry/ concerned Regional Office by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- iii. A six-Monthly monitoring report shall need to be submitted by the project proponents to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.
- iv. Ministry of Environment, Forest and Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- v. The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- vi. In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.
- vii. The project proponents shall inform the concerned Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- viii. A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal.
- ix. A copy of this clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.

6. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

7. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental and CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional office of this Ministry.





8 . This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

9 . Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

10 . Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent on its website.

11 . A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

12. The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

13. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the concerned Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

14 . The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Clearance conditions and shall also be sent to the respective Regional Office of MoEF&CC by e-mail.

15 . The above stipulations would be forced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.

This is issued with the approval of the Competent Authority.

  
**(Amardeep Raju)**  
Scientist 'E'



**Copy to:**

1. The Principal Secretary, Department of Science, Technology & Environment, 1<sup>st</sup> Floor, Pandit Deendayal Upadhyay Bhavan, Behind Pundalik Devasthan, Near Sanjay School, Porvorim, Bardez - Goa 403 521.
2. Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment, Forests and Climate Change, Regional Office (SZ), Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block Koramangala, Bengaluru- 560034.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Member Secretary, Goa Coastal Zone Management Authority, 1st Floor, Pt. Deendayal Upadhyay Bhavan, Behind Pundalik Devasthan, Porvorim.
5. The Member Secretary, Goa State Pollution Control Board, Dempo Towers, 1<sup>st</sup> Floor, EDC Patto Plaza, Panaji, Goa - 403001.
6. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi
7. Guard File/ Record File/ Notice Board.

  
**(Amardeep Raju)**  
**Scientist 'E'**