EC COMPLIANCE REPORT-20

(Apr 2026 – Sep 2026)

NEW DRY DOCK PROJECT
AT
COCHIN SHIPYARD LIMITED

A Govt. of India Enterprise
(A Mini Ratna Company Under The Ministry of Ports, Shipping and Waterways)
Perumanoor PO, Kochi, Kerala, India - 682015

कोचीन शिपयार्ड लिमिटेड
(भारत सरकार की श्रेणी-1 मिनिरत्न कंपनी, पत्तन, पोत परिवहन और जलमार्ग मंत्रालय)

COCHIN SHIPYARD LIMITED
(A Government of India Category-1 Miniratna Company, Ministry of Ports, Shipping and Waterways)

INFRA/NDD/95/2018

03 Nov 2026

The Additional Principal Chief Conservator of Forests(C)
Ministry of Environment, Forests & Climate Change,
4th Floor, E&F Wings,
Kendriya Sadan,
Koramangala, Bangalore - 560 034

Sub: Submission of documents in connection with Environmental Clearance for Dry dock project of Cochin Shipyard Limited (CSL).

Ref: Environmental Clearance (EC) letter No.10-9/2015-IA-III dated 09 Nov 2016.

Sir,

1. This has reference to MoEFCC letter No.10-9/2015-IA-III dated 09 Nov 2016 according Environmental and CRZ clearance for New Dry Dock project of CSL.
2. Due to the completion of the contract with the environmental monitoring agency in December 2025, and the contract was renewed on August 2026 monitored environmental data is available only for the one-month period (September 2026). Monitoring report for the September 2026, including monitoring data is submitted herewith for your records please. Updated Monitoring report-Proforma-1 is also attached.

Hope the above will suffice requirements from MoEFCC.

Yours faithfully,

A Vettriselvan
General Manager (Materials)
Occupier – Environment (Protection) Act 1986

ए वेट्रिसेल्वन / A VETTRISELVAN
दखलकार-पर्यावरण (संरक्षण) अधिनियम 1986
Occupier-Environment (Protection) Act 1986
कोचीन शिपयार्ड लिमिटेड
Cochin Shipyard Ltd.
कोच्ची/Kochi-682 015

Encl:
1. Monitoring Proforma Part-1
2. EC Compliance status report

Copy:
1) Chief Environmental Engineer,
Ernakulam Regional office, Kerala State Pollution Control Board,
Gandhi Nagar, Ernakulam – 682 020

2) Regional Director
Central Pollution Control Board, 1st & 2nd Floors, Nisarga Bhavan
A – Block, Thimmaiah Main Road, 7th D Cross, Shivanagar, Bengaluru – 560 079

Enclosure-1

MONITORING REPORT – PROFORMA – PART I

File No: INFRA/NDD/812/15 Ref Letter No: INFRA/NDD/812/15 Date: 03 Nov 2026

1	Name of the project	New Dry Dock Facility by Cochin Shipyard Ltd.
2	Clearance letter No. & date	Environmental Clearance (EC) letter No.10-9/2015-IA-III dated 09 Nov 2016.
3	Location : District & State / UT	Ernakulam, Kerala Latitude : 09° 57' 37.0488" N Longitude : 76° 17' 05.4458" E
4	Address for correspondence:	Shri. A Vettriselvan Occupier-Environment (Protection) Act 1986 Cochin Shipyard Limited, Perumanoor P O,Kochi-682015 Ph: +91 484 2501360 Fax: +91 484 2370897 Email: vettri.a@cochinshipyard.in
5	Contact No. of Office with name of responsible official	Shri. Sreekumar Raja C A General Manager (Technical) Cochin Shipyard Limited, Perumanoor P O,Kochi-682015 Ph: +91 484 250 1515, Fax: +91 484 2370897 Email: sreekumar.raja@cochinshipyard.in
6	Mobile No. of concerned officials associated with monitoring	Shri. Pattu Rajan S Senior Manager (Infra Projects) Infra Projects Department, Cochin Shipyard Limited, Mob: +91 8129270942 Email: patturajan.s@cochinshipyard.in
7	a) Project cost as originally planned and subsequent revised estimates and the years of price reference	Cost Estimate (DPR stage)- 1799 Crores, year 2016
	b) Allocations made for environmental management plans, with item wise and year wise breakup	Contaminated Water Treatment Plant- 15.406 Crores Green Belt Development- 13.93 Lakhs
8	a) Actual expenditure incurred on the project so far	Rs. 1761.86 Crores as on 30 September 2026
	b) Actual expenditure incurred on the environmental management plans so far.	Actions are being taken to incur the expenditure earmarked for EMP, which will happen along with the construction works progressing at the site. As on 30 September 2026, Rs. 6,87,833/- has been paid to Social Forestry Division of Kerala Forest Department for green belt development. As on 30 September 2026, Rs. 42,08,304.80/- has been incurred for Environmental Monitoring activities.

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9	Date of commencement (actual and/or planned)	Planned & Actual: June 2018
10	Date of completion (actual and/or planned)	Planned: 31 Dec 2026
11	Validity of CFO	Consent No. KSPCB/ER1/ICO/10117036/VAR/2026 dated 26/10/2026. Valid up to 30/06/2028
12	Reasons for the delay if the project is yet to start	NA
13	Present status of the project:	Construction contract for Civil, Mechanical and Electrical (CME) works awarded to M/s Larsen & Toubro Ltd, Construction, Heavy Civil Infrastructure, Chennai on 27 April 2018. Construction works commenced on 01 June 2018. Physical progress of the CME works is 99.80%. Purchase order for 600T Gantry issued to M/s Hyundai Samho Heavy Industries Co., Ltd., South Korea on 14 March 2019. Crane commissioned on 11 Feb 2025. Purchase order for 75T & 40T Level Luffing Jib Cranes issued to M/s L&T Limited (ECC Workshops) on 09 Nov 2022. Crane installation works at NDD site completed and commissioning of cranes targeted on Dec 2026.
14	E-mail ID of the contact person to whom communications to be sent	vettri.a@cochinshipyard.in with copy to: 1) eldho.john@cochinshipyard.in 2) patturajan.s@cochinshipyard.in
15	FAX Number	+91 484 2370897

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Signature of authorized signatory with company seal

एल्दो जॉण / ELDHO JOHN
कार्यकारी निदेशक (तकनीकी)
Executive Director(Technical)
कोचीन शिपयार्ड लि. /Cochin Shipyard Ltd.
कोच्ची / Kochi-15

Enclosure-2

NEW DRY DOCK PROJECT AT COCHIN SHIPYARD LTD.

EC COMPLIANCE STATUS – APR 2026 to SEP 2026

SL No.	Conditions	Compliance Status as on 30 Sep 2026
A. SPECIFIC CONDITIONS		
i	Consent for Establishment shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	**Complied.** KSPCB had issued Consent to Operate (4) for dry dock project. 1. Consent No. PCB/HO/EKM-1/ICE/24/2016, 2. Consent No. PCB/HO/EKM-1/ICE-R/14/2019, 3. Consent No. KSPCB/ER1/ICE/10058916/2024, 4. Consent No. KSPCB/ER1/ICO/10117036/VAR/2026
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.	CSL ensures that no construction work other than those mentioned in approved layout will be carried out.
iii	The environmental clearance is subject to obtaining prior clearance for Wildlife from the Standing Committee of the National Board for Wildlife.	**Complied.** Standing Committee of NBWL has cleared the project in its meeting held on 02 Mar 2017.
iv	All the recommendations and conditions specified by Kerala Coastal Zone Management Authority vide letter no. 4232/A2/ KCZMA/S&TD dated 18th August, 2016 shall be complied with.	**Complied.** Kerala Coastal Zone Management Authority (KCZMA) has recommended the project without any specific conditions. All requirements as per CRZ Notification are being complied during construction phase and will be complied during Operation phase too.
v	The project proponent shall ensure that there shall be no damage to the existing mangroves patches near site and also ensure the free flow of water to avoid damage to the mangroves.	**Complied.** There are no mangroves near site.

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vi	The project proponents shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	**Complied.** Mathematical modeling study was conducted by CWPRS, Pune. CWPRS report states that the development of proposed new dry dock at CSL on north side of existing quay wall will not hamper functioning of various waterfront facilities in the Ernakulam channel and hence may be constructed.
vii	Shorelines 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 reports.	Noted and incorporated in the Environmental Management Plan for its compliance. Dry dock project does not have any reclamation. In addition, shore is already protected with retaining walls. During the course of construction, retaining walls will not be disturbed. Hence shoreline change is not envisaged. Dredged material is being disposed off at the two offshore dumping sites maintained by Cochin Port Trust, which are North (10° 00"N, 76° 05"E) and South (9° 55"N, 76° 06"E) Dumping Grounds. The dumping sites are located at a distance of about 21 km away from the project site.
viii	Since Ernakulam Channel ultimately meets the sea and the discharge is planned to conform to marine quality standards, the project proponent shall get a marine biodiversity management plan prepared from the NIOS or any other marine biology specialist institution and implement the same. The plan should safeguard the biodiversity of the channel as also the biodiversity impacts as a result of confluence with the sea.	CSIR-NIO had prepared "Environmental and Biodiversity Management Plan for Conservation of Marine Ecology due to the proposed Dry Dock Facility at Cochin Shipyard Ltd" and submitted on 21 March 2017. The recommendations of Marine Biodiversity management plan prepared by CSIR-NIO are strictly being followed during the construction phase.
ix	The ground water shall not be tapped within CRZ areas by the PP to meet with the water requirement in any case.	Water requirement for the construction activities is being arranged from outside agencies in tankers. Ground water is not extracted for any construction activity.

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x	Well designed drainage system shall be provided to dewater the dock while excavation. As proposed, extracted water will be released in to the sea after necessary treatment. CGWB permission shall be obtained for dewatering the dock during construction.	**Complied.** A joint team of CGWB and Ground Water Department, Kerala inspected the site on 01 April 2017 and submitted their report to State Ground Water Authority, Kerala. Secretary, Water Resource Department, Kerala has issued 'No objection Certificate' for Construction of dry dock and dewatering vide letter No.GW1/296/2017-WRD dated 18 July 2017. Well-designed drainage system is provided to dewater the dock while excavation.
xi	Shrouding shall be carried out in the work site enclosing the dock area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.	Galvalume sheets erected up to height of 10 M in north and east boundaries.
xii	Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.	Will be implemented during operation of the dock as well as construction phase.
xiii	The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.	Noted and incorporated in the Environmental Management Plan for its compliance.
xiv	The diesel generators (of capacity 250 KVA) shall be used as back-up power supply and shall be run only during power cuts. Low sulphur content fuel will be used for the generators and will be subjected to periodical maintenance and servicing. This will cut down on emission volume to a considerable extent. Also, the DG sets will be provided with mufflers for pollutant emission control.	Noted and incorporated in the Environmental Management Plan for its compliance.

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xv	Necessary arrangements for the treatments 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.	Will be ensured by the Contaminated Water Treatment Plant, the installation works has been completed, commissioning in progress.
xvi	All measures shall be taken during the excavation activity as deemed necessary from the geotechnical investigation of the soil and ground water profile.	Sheet piles installed in dock area before commencement of excavation.
xvii	Construction activity related wastes (C&D waste) shall be disposed off as per Solid waste management rule, 2016.	Noted and incorporated in the Environmental Management Plan for its compliance.
xviii	All such solid and hazardous wastes including onboard wastes (while ships dock at the site) will be handled as per the Hazardous and other wastes (Management and Trans boundary Movement) Rules ,2016	Will be ensured during operation phase.
xix	Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.	Noted and incorporated in the Environmental Management Plan for its compliance.
xx	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.	Will be ensured during operation phase. During construction phase, Construction of Cofferdam will facilitate excavation rather than dredging in the area of dock protruded to channel. CSL will strictly follow the Bio Diversity management plan for the project prepared by CSIR-NIO.
xxi	Earth protection work shall be carried out to avoid erosion of soil from the shore line / boundary line from the land area into the marine water body.	Quay walls will be constructed in the whole area of project site.

xxii	No ships docking at the proposed project site will discharge its on-board waste water untreated into the estuary/channel. All such waste water load will be diverted to the proposed Contaminated Water Treatment Plant of the project site.	Will be ensured by the Contaminated Water Treatment Plant during operation phase.
xxiii	All effluent generated in the dry dock shall be drained into the proposed on site contaminated water treatment plant (CWTP) having capacity 500 KLD and equipped to treat the effluent into dischargeable standards. The oil water separator of the CWTP shall remove any unwanted oil and grease content from the effluent. The CWTP shall be equipped to treat such effluent including the bilge water and other ship discharger to meet the general standards for discharge of effluent in marine coastal areas before disposal into the channel. Ballast water from ships shall be stored at the facility and will be used in refilling of same before release of ships back into water. Sewage shall be treated in the STP.	Will be ensured by the Contaminated Water Treatment Plant, the installation works has been completed, commissioning in progress.
xxiv	Through the proposed project will not use TBT containing paints yet the ships docking for repair may have existing TBT paint layer. So blasting operations (surface cleaning) shall be extremely controlled and contained within the work site ensuring all accumulated solid waste and effluent are given standard treatments. The effluent / dock flow shall be drained to the CWTP while the solid/hazardous wastes shall be contained temporarily in the site and timely disposed of through the CTSDF.	Will be ensured by the Contaminated Water Treatment Plant, the installation works has been completed, commissioning in progress.
xxv	Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and whenever necessary/required. Special visco-elastic gloves will be used by labour exposed to hazards from vibrations.	CSL will ensure strict compliance. PPE's like safety helmets, safety harness, safety shoes, goggles, dust mask, ear muffs or ear plugs as applicable are strictly enforced for workers during construction.

xxvi	In case of repair of any old vessels, excessive care shall be taken while handling asbestos and freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos material at site before disposal to CTSDF.	Will be ensured during operation phase. Storage facility shall be installed before commissioning of the dock.
xxvii	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measure shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/accidents.	Noted and incorporated in the Environmental Management Plan for its compliance.
xxviii	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.	Action being taken to fulfill the responses/ Commitments made during public hearing
xxviii.a	Unscientific Dredging activities in Ernakulam Channel by Naval Base, Vallarpardam Terminal and Cochin Shipyard Ltd. Results, Vembanad Lake near Thevara area filled with the alluvial soil which leads to the encroachment and decline of fish diversity	**Complied.** Fishing is prohibited in the Ernakulam Channel area near project site and there is no technical possibility that alluvial soil accumulation at Vembanad Lake due to the dredging activities by CSL, as depth of the backwater in the shipyard area is much more than that at Thevara area. Also CSL has conducted mathematical modelling for the sediment deposition and other necessary study for dredging activity at Ernakulam Channel. As per the CWPRS study, the new dry dock project does not introduce any changes in siltation/ deposition rate/water current strength at water front facilities nearby
xxviii.b	Construction of Public toilets outside Cochin Shipyard considering the number of labours	In line with public hearing, 3 toilets for public have been constructed as part of CSR activities.
xxviii.c	Widening of Old Thevara road by CSL	Feasibility of widening of old Thevara road will be explored. However beautification programme will be implemented in the applicable area of Old Thevara Road. Beautification of MG road along CSL boundary has been completed.

xxviii.d	Provision of parking facilities for employees	A receiving area is earmarked inside the project area, so as to avoid traffic issues in the approaching public road. Parking facility for 100 two wheelers parking provided.
xxviii.e	To be ensured of Greenbelt Development & septage disposal for the proposed project.	Work order for development of green belt has been awarded to Social Forestry Department, Kerala Government. Green belt development plan has been prepared in in line with EIA/EMP report, EC letter and conditions of CTE. Social forestry has completed the block planting of 1100 saplings at 3 locations in Ernakulam district. Planting of saplings in project boundary can be started only after the completion of civil works in that area. Septage waste will be collected by Contractor hired by CSL. Disposal of waste in surrounding areas shall be strictly prohibited.
xxviii.f	Provision of LNG facilities to the nearby residents if LNG pipe line is provided to the Cochin Shipyard Ltd.	**Complied** CSL had clarified that they had not mentioned about the LNG pipeline in the Public Hearing presentation, it is regarding the building of LNG carrier. There will not be any provision of LNG pipeline in the proposed new dry dock project.
xxviii.g	Employment and more job opportunities to the fishermen community.	People from local area shall be employed as far as possible during construction phase.
xxviii.h	Primary need of employees like emergency preparedness plan in case of any accident, etc.	On-site emergency plan has been prepared by contractor for the safety of the working employees. Contractor has provided Ambulance facility and availability of duty nurse at project site. Also, Contractor has provided required number of toilets at project site.
xxviii.i	To conduct scientific study for diverting the docking water to the canals/sewers in the city to reduce the mosquito in the Corporation Area.	Dock water shall be treated in CWTP and discharge into nearby surface water after proper treatment with approved standards. It is not technically feasible to divert treated water line to the canals/sewers in the city for reduction of mosquitoes.
xxix	The project proponent shall take up and earmark adequate fund for socio-economic development and welfare measures as proposed under the CSR Programme. This shall be taken upon priority.	In line with public hearing, 3 toilets for public have been constructed as part of CSR activities.

xxx	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	A separate Environmental Management Cell (EMC) is constituted for dealing with Environmental issues and for ensuring compliance with the environmental clearance conditions for Dry dock project.
xxxi	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Fund for EMP is included total project cost. CSL confirms that the budget as per EIA report will not be diverted for any other purposes.
xxxii	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.	Contractor's EHS Plan and Environment Management Plan are prepared in line with EIA/EMP report, EC letter and conditions of CTE. CSL will ensure strict compliance.
xxxiii	Company shall prepare operating manual in respect of all activities. It shall cover all safety and environment related issues and system. Measure to be taken for protection. One set of environmental manual shall be made available at the project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Dry dock project is extension of existing facilities. All the activities are similar to the activities in existing docks. So the SOPs for existing facilities will be extended for the new dry dock.
xxxiv	Corporate Social Responsibility :	
xxxiv.a	The company shall have a well laid down Environment Policy approved by the Board of Directors.	**Complied.** CSL has certified for ISO 9001:2008, ISO14001:2004 and ISO 45001:2018.
xxxiv.b	The Environment Policy shall prescribe for standard operating process / procedures to bring into focus any infringements/ deviation/ violation of the environmental or forest norms/ conditions.	**Complied.** CSL is an ISO 14001:2004 certified Company. CSL procedure for Environmental Damage Incident reporting was submitted to MoEFCC vide CSL letter dated 09 Aug 2017.

xxxiv.c	The hierarchical system of Administrative order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.	The organizational arrangement in CSL for the environmental management is included as para 1.9 of CSL EMS Common procedures. Copy of CSL EMS Common procedures was submitted to MoEFCC vide CSL letter dated 09 Aug 2017. A separate Environmental Management Cell (EMC) is constituted for dealing with Environmental issues and for ensuring compliance with the environmental clearance conditions.
xxxiv.d	To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and /or shareholders or stakeholders at large.	Management Representative reports the performance of the environmental management system to the management for review during the management review meeting. CMD/Director (operations) reviews the performance of the environmental management system once every three months to ensure continuing suitability, adequacy and effectiveness of the system. Copy of Environmental Management System Apex manual was submitted to MoEFCC vide CSL letter dated 09 Aug 2017. The communication to and from external interested parties is maintained by the Occupier - Environment (protection) Act 1986.
B. GENERAL CONDITIONS		
i	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality	Noted and being complied with.
ii	Full support shall be extended to the officers of this Ministry / 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.	Noted. CSL confirms full support to the offices of MoEFCC
iii	A Six-Monthly monitoring shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bangalore regarding the implementation of the stipulated conditions.	Noted and being complied, due to the completion of the contract with the environmental monitoring agency in Dec 2025, and renewed on Aug 2026, monitored environmental data is available only for the one month period from Sept 2026 is placed as Annexure 1

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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 compiled with.	CSL confirms full support to the offices of MoEFCC
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.	Noted
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.	Noted
vii	The project proponents shall inform the 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.	1. CCEA had approved the project in its meeting held on 20th July 2016. 2. Construction work commenced on 01 June 2018 and the same has been informed to MoEFCC and Regional office vide letter no. INFRA/ NDD/812/15 dated 22 June 2018.
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.	**Complied.**
ix	A copy of the environmental clearance letter shall also be displayed of the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.	**Complied**
Para.13	These stipulations would be enforced 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.	Noted

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Para.14	All other statutory clearances such as the approvals of 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	**Complied** 1. Ministry of Defence had issued Clearance for the project on 20th Dec 2016. 2. F& B approval received for the project on 28 Oct 2016. 3. CSL is having Petroleum and Explosives Safety Organization (PESO) license for operational yard. 4. Clearance from Chief control of explosives & Fire department taken by the contractor for the installation of diesel pump. 5. Forest Clearance not required as there is no forest land diversion as part of project. 6. Standing Committee of NBWL has recommended Dry Dock project for Wildlife clearance in its meeting held on 02 Mar 2017.
Para.15	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 Regional Office of this Ministry at Bangalore.	**Complied** 1.Advertisement done on two leading dailies of the region namely Malayala Manorama and Mathrubhumi on 23 Nov 2016 2. Copy of the Advertisements was forwarded to the regional Office of the MoEFCC at Bangalore on 17 Dec 2016.
Para.16	The 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.	Noted
Para.17	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	**Complied**
Para.18	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.	Noted

Para.19	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZillaParishad/ 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.	**Complied**
Para.20	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of the monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEFCC, the respective Zonal Office of CPCB and the SPCB.	Noted and will be complied.
Para.21	The environmental statement for each financial year ending 31st 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 Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Office of MoEFCC by e-mail.	CSL would like to clarify that the majority of the works under the CME contract awarded to M/s. L&T have been completed, and only the commissioning activities remain pending. Accordingly, since the CME installation works have been completed, the contractor does not have any relevant operational data available for preparing the Form V document. Therefore, CSL submits that Form V is not applicable at this stage and requests that the same be exempted from the present submission.

For Cochin Shipyard Limited

एल्दो जॉण /ELDHO JOHN
कार्यकारी निदेशक (तकनीकी)
Executive Director(Technical)
कोचीन शिपयार्ड लि./Cochin Shipyard Ltd.
कोच्ची/ Kochi-15

SV ENVIRO LABS & RESEARCH PRIVATE LIMITED
formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions

Ref: SV/CSL-NDDP/26-09/01 Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED, NEW DRY DOCK PROJECT, KOCHI.**

SAMPLE PARTICULARS : **WATER**

SOURCE OF COLLECTION : MARINE WATER

LOCATION : ESTUARY CLOSE TO NDD PROJECT

DATE OF COLLECTION : 25-09-2026

TEST REPORT

S.No	PARAMETERS	UNIT	RESULTS
1.	Temperature	°C	26.1
2.	Turbidity	NTU	2.04
3.	Conductivity	µmhos/cm	41691
4.	pH	-	7.73
5.	Salinity	ppt	30.9
6.	Total Dissolved Solids	mg/l	25677
7.	Total Suspended Solids	mg/l	26.0
8.	Dissolved Oxygen	mg/l	5.1
9.	Biochemical oxygen demand as BOD	mg/l	15.0
10.	Nitrate Nitrogen	mg/l	11.6
11.	Nitrite Nitrogen	mg/l	0.48
12.	Silicates	mg/l	7.04
13.	Phosphate	mg/l	0.31
14.	Anionic detergents	mg/l	<0.01
15.	Total Hardness	mg/l	2761
16.	Calcium Hardness	mg/l	824
17.	Lead as Pb	mg/l	<0.01
18.	Zinc as Zn	mg/l	0.021
19.	Copper as Cu	mg/l	<0.01
20.	Cadmium as Cd	mg/l	<0.001
21.	Chromium as Cr	mg/l	<0.01
22.	Manganese as Mn	mg/l	<0.01
23.	Iron as Fe	mg/l	0.02
24.	Cobalt as Co	mg/l	<0.01

Recognized by GOI - MoEFCC, Accredited by NABL & NABET

25.	Nickel as Ni	mg/l	<0.01
26.	Petroleum Hydrocarbon	mg/l	<0.1
27.	Total Coliforms	MPN/100mL	110
28.	Faecal Coliform	MPN/100mL	Not detected

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formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions

Ref: SV/CSL-NDDP/26-09/02 Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED, NEW DRY DOCK PROJECT, KOCHI.**

SAMPLE PARTICULARS : **GROUND WATER**

SOURCE OF COLLECTION : **NEAR NDD SITE**

DATE OF COLLECTION : 25-09-2026

TEST REPORT

S.No	Parameter	Unit	Result
1.	Colour	Hazen	< 1.0
2.	Odour	-	Agreeable
3.	Taste	-	Agreeable
4.	Turbidity	NTU	0.27
5.	pH	-	7.61
6.	Total Dissolved Solids	mg/l	692
7.	Total Alkalinity as $CaCO_3$	mg/l	394
8.	Total Hardness as $CaCO_3$	mg/l	359
9.	Calcium as Ca	mg/l	72.8
10.	Magnesium as Mg	mg/l	43.1
11.	Chlorides as Cl	mg/l	197
12.	Fluorides as F	mg/l	0.44
13.	Sulphates as SO_4^{2-}	mg/l	26.4
14.	Iron as Fe	mg/l	0.12
MICROBIOLOGY:			
15.	*E. coli*	CFU/ 100mL	Not Detected

Note: All the above parameters are analyzed as per APHA 24th Ed, 2023.

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Ref: SV/CSL-NDDP/26-09/03

Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED, NEW DRY DOCK PROJECT, KOCHI.**

SAMPLE PARTICULARS : **SEDIMENT**

LOCATION : ESTUARY CLOSE TO NDD PROJECT

DATE OF COLLECTION : 25-09-2026

TEST REPORT

S.No	PARAMETER	UNIT	RESULT
1.	Sediment composition		
	a. Sand	%	51.7
	b. Silt	%	24.6
	c. Clay	%	23.7
2.	Nitrate Nitrogen	mg/kg	70.1
3.	Nitrite Nitrogen	mg/kg	0.32
4.	Phosphates	mg/kg	4.48
5.	Organic Carbon	%	0.71
6.	Lead	mg/kg	0.15
7.	Iron	mg/kg	159
8.	Copper	mg/kg	3.34
9.	Zinc	mg/kg	41.1

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Ref: SV/CSL-NDDP/26-09/04 Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED,**
NEW DRY DOCK PROJECT,
KOCHI.

SAMPLE PARTICULARS : **MARINE BIOLOGY**

LOCATION : ESTUARY CLOSE TO NDD PROJECT

DATE OF COLLECTION : 25-09-2026

TEST REPORT

S.NO	PARAMETER	UNITS	RESULTS
1.	Phytoplankton		
	Biomass	ml/m^3	3.83
	Diversity	-	0.46
	Major Species	-	*Coscinodiscus Sp.*
2.	Zooplankton		
	Biomass	ml/m^3	0.005
	Diversity	-	0.630
	Major Species	-	*Calanoid Sp.*
3.	Benthic Communities		
	Meiofauna		
	Total Count	No./10cm	08
	Major Species		*Terschellingialongicaudata*
	Macrofauna		
	Total Count	No./10cm	4
	Major Species		*Prionospiocirrifera*

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Ref: SV/CSL-NDDP/26-09/05 Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED, NEW DRY DOCK PROJECT, KOCHI.**

SAMPLE PARTICULARS : **NOISE LEVELS**

DATE OF COLLECTION : 05-09-2026

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)							
		Leq Day	Leq Night	L_{10}	L_{50}	L_{90}	Ld	Ln	Ldn
1.	Near DG Set	72.7	64.8	70.2	65.1	57.9	67.7	61.1	66.8
2.	Near Dredging Area	70.4	66.5	69.8	66.4	62.2	69.8	62.9	64.5
3.	Near Construction Area	68.8	63.1	65.6	62.7	56.8	66.4	59.4	63.1
4.	Near Residential Area	59.7	48.8	57.2	52.3	42.9	51.7	43.6	52.5

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Ref: SV/CSL-NDDP/26-09/06

Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED, NEW DRY DOCK PROJECT, KOCHI.**

SAMPLE PARTICULARS : **NOISE LEVELS**

DATE OF COLLECTION : 09-09-2026

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)							
		Leq Day	Leq Night	L_{10}	L_{50}	L_{90}	Ld	Ln	Ldn
1.	Near DG Set	71.6	63.6	70.8	65.6	62.1	66.5	62.1	66.5
2.	Near Dredging Area	70.1	62.1	67.7	64.2	60.6	67.1	61.5	64.9
3.	Near Construction Area	73.6	65.8	66.2	62.1	57.7	65.5	58.1	66.1
4.	Near Residential Area	58.8	49.7	56.7	54.2	45.5	52.7	46.6	52.3

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Ref: SV/CSL-NDDP/26-09/07 Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED, NEW DRY DOCK PROJECT, KOCHI.**

SAMPLE PARTICULARS : **NOISE LEVELS**

DATE OF COLLECTION : 19-09-2026

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)							
		Leq Day	Leq Night	L_{10}	L_{50}	L_{90}	Ld	Ln	Ldn
1.	Near DG Set	73.4	66.9	72.2	65.6	57.4	68.5	63.6	67.1
2.	Near Dredging Area	70.5	64.7	70.5	66.2	58.5	69.4	61.1	65.5
3.	Near Construction Area	70.1	61.6	65.4	63.1	56.4	65.6	58.4	63.6
4.	Near Residential Area	53.7	48.4	51.7	46.6	42.5	48.5	45.2	47.4

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Ref: SV/CSL-NDDP/26-09/08 Date: 07-10-2026

NAME AND ADDRESS : **M/s. COCHIN SHIPYARD LIMITED, NEW DRY DOCK PROJECT, KOCHI.**

SAMPLE PARTICULARS : **NOISE LEVELS**

DATE OF COLLECTION : 25-09-2026

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)							
		Leq Day	Leq Night	L_{10}	L_{50}	L_{90}	Ld	Ln	Ldn
1.	Near DG Set	72.7	67.7	71.4	68.8	59.8	68.1	62.2	66.7
2.	Near Dredging Area	68.3	62.5	68.7	64.3	57.7	66.6	58.8	62.8
3.	Near Construction Area	71.7	60.1	70.6	63.7	58.1	67.4	55.7	65.4
4.	Near Residential Area	51.1	47.6	52.5	47.3	42.5	49.5	42.1	45.1

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