Environmental and Social Consideration

Quarterly Progress Report

Period of April - June 2019

Directorate General of Sea Transportation

Ministry of Transportation

Republic of Indonesia

Attachment No.16 Environmental/Social Monitoring Results

1. Implementation of RKL-RPL (Environmental Management and Monitoring Plan in EIA)

A. Pre-Construction Phase

Reported in the previous report (PSR in April 2019).

B. Construction Phase

Implementation of RKL RPL (Environmental management and Monitoring Plan) regularly conducted semester based as stipulated in Environmental Permit No. 136/Menlhk/Setjen/PLA 4/2/2017 regarding Development of Patimban Port at Patimban Village, Kalentambo Village, Gempol Village, Kotasari Village, Pusakaratu Village, Pusakanagara District and Pusakajaya Village at Pusakajaya District, Subang Regency, West Java Province. The implementation of RKL RPL Report Construction Phase Semester I already submitted on April 2019 to relevant agencies; Ministry of Environmental and Forestry, Environment Agency of West Java Province, and Environment Agency of Subang Regency.

No	Potential Environmental Impact			Descriptions of RKL/RPL		Implemented Mitigation Measures / Monitoring Results (Data and Photos are attach)
	Type of Impact	Indicator of success of Environmental Management	Impact source	Method of Enviromental Management Plan(RKL)	Method of Analysis and Data Collection (RPL)	
Managed Significant Impacts (referred to EIA)						
CONSTRUCTION PHASE						
2.	**Procurement of Labor and Basecamp Operation**					
2A	Opening job and business opportunity	People affected/local people that recruited as workers > 20%)	Procurement of Labor and Basecamp operation	a. Prioritize local workers from affected area as required, educational background, qualification needed, and inclusion of workers social assurance, and referred to Regional Minimum Wage (Upah Minimum Regional); b. Coordinating with related institution in order to livelihood restoration program of affected people, as stated in the LARAP document as follow: • Conducting training program; • Conducting venture capital aid program;	a. Identifying the number of local workers; b. Identifying the number and type of business opportunity that evolve nearby; c. Evaluating livelihood recovery program for affected people; d. Regarding to the information and data that need to be explored deeper, shall conducted in-depth interview with key informants, such as with local elderly representatives; e. Monitoring workers recruitment relevant with qualifications;	The implementation of job and business opportunity on period of April to June 2019 consist of; • The Project for terminal construction under Package 1 started on October 29th,2018. The number of local people that were recruited during respective period was 81 people or equal to 12.48% on February, 95 people or equal to 11.99% on March, 95 people or equal to 11.99% on April, 84 people or equal to 11.86% on May of total 708 workers. Meanwhile number of local people on June still on progress. The percentage of local people that recruited still below 20% due to the activity is need a special skill to be conducted, even though for non-skill recruited prioritized for people.11.99% on March, 95 people or equal to 11.99% on April, 84 people or equal to 11.86% on May of total 708 workers. Meanwhile number of local people on June still on progress. The

				• Conducting new business activity program • Conducting; marketing assistance program • Conducting equipment aid program; c. Coordinating with Pusakanagara and Pusakajaya sub-district due to job vacancy information **[a: DGST, CP1, CP2, CP3, CP4, b,c:DGST]**	f. Monitoring of safety work implementation especially in construction phase; **[c, d: DGST]** **[a, b, e, f: CP1, CP2, CP3, CP4]**	percentage of local people that recruited still below 20% due to the activity is need a special skill to be conducted, even though for non-skill recruited prioritized for people. • The Project for breakwater, seawall, channel dredging under Package 2 started on April, 2019. The number local people that were recruited during respective period was 18 people or equal to 26.87% on April of total worker about 67 people, while on May and June still on progress. • The project for access road construction under Package 4 started on October 2018. The number of local people that were recruited during respective period; 106 people or equal to 20.62% on February, 167 or equal to 22.94% on March, 209 people or equal to 20,35% on April, while on May and June the Monthly report is still on progress. The implementation of Livelihood Restoration Program on period of April to June 2019 consist of Stevedoring work force training, Forklift operational training, Drift gillnet (Jaring Rampus) assembly training. • Stevedoring Work Force training (Tenaga Kerja Bongkar Muat) was held on April 22 to May 1 2019. The training was attended by 30 participants from affected villages. The aim of the training is to fulfill basic information about working in port activities such as; container crane operational, the principal of Stevedoring Work Force, rigging apparatus, hand signal, and lashing container. The participants who pass the training exam will be provided with a certificate; capable to utilize their abilities for the same purpose. • Forklift operational training was held for two sessions, first session was held on April 22 to May 3rd. and the second session was held on May 7-17 2019. Number of participants on both session was 50 participants. The aim of the training is to enrich the participants skill so they have equal opportunity of related job vacancy. In other hand, the training will help the participants how to operate the crane with capacity under 100 tons, and operate the forklift with maximum capacity is 15 tons. The participants will receive a certificate, useful for

						requirement in related job opportunities. The requirement as stated on the Workforce Ministry regulation about loading and transport vehicle operator Class II operator consist of: – Education: Junior high school/equal – Experience: 1 year – Minimum age: 19 years – Health: good body condition – Pre-qualification: K3 license and work book • Drift (Rampus) gillnet assembly training was held on May 11 to 13, and 24 to 26, attended by 88 participants from fisheries. The aim of training is to support the fishermen to assembly the gillnet bases on national standard that could maximize the result and met the national requirements. Based on pre-assessment shown that the election of Drift gillnet is by fisheries department and fishermen requirement that could be set up outside the Patimban Port Development.  Stevedoring Work Force Training  Forklift Training Session

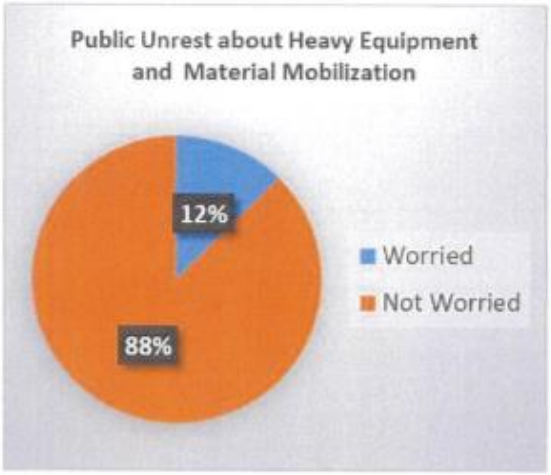
						 Forklift Operational Practice Session  Drift (Rampus) Gillnet Assembly Training
3.	**Heavy equipment and materials mobilization**					
3A	Deterioration of air quality (TSP and emision)	Concentration of SO_2, CO, NO_2 and TSP not to exceed air quality standard based on Government regulation No. 41 years 1999 on Air pollutions control.	Heavy equipment and materials mobilization.	a. Heavy equipment and materials mobilization use construction access road of Patimban seaport which is relatively quiet and away from settlements (non-asphalt pavement); b. Closing the tanks of transporting material vehicle with tarps; c. Transporting the materials to the location using operation proper vehicle that passed the KIR test (in testing to see if the vehicles are well maintenance); d. Developing of washhouse to clean transporting vehicle wheels before out from project site location;	Conducting air quality laboratory analysis, after which the results are compared with air quality standard based on PP No. 41 of year 1999. Furthermore, monitoring results are converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and controlled status with crictical level. **[CP4]**	CP 1 Implementation: Traffic condition affected by the project is being monitored periodically. Vehicle volume survey is conducted once a month. CP 2 Implementation: Work has not yet started CP 3 Implementation: Work has not yet started CP 4 Implementation: 1. Air quality measurement was conducted in April 2019. The monitoring results of air quality with 5 parameters (SO2, CO, NO2, PM10, TSP) were below the threshold as shown in attachment. 2. Roads are sprinkled to reduce dust pollution by road sprinklers, so that dust pollution tends to be under control and limits.

				e. If there are materials spills on the passing road from construction materials mobilization, it will be cleaned as soon as possible; f. Watering the road periodically. **[CP1, CP2, CP3, CP4]**		3.Water sprayer was installed to reduce the dust at material stockyard.   4.Access road cleaning activity due to material spill  5.Building washing places for vehicle wheel cleaning. Every construction vehicle operating at public roads will undergo vehicle wheel wash first.  

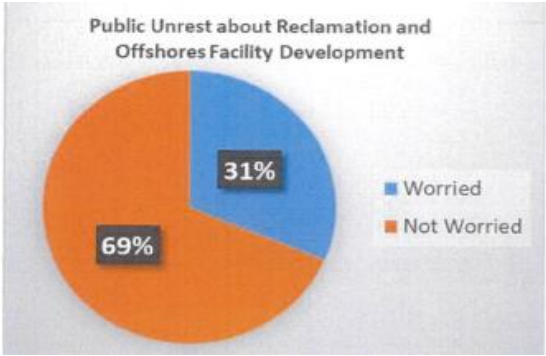
						6. Vehicle feasibility check   7. Material transport trucks are required to be provided with loading sheets.  8. Built special access road for transporting trucks.   Access road to batching plant & project site
3B	Land traffic disruption	No occurrence of traffic jam as the effect of heavy equipment and materials mobilization	Heavy equipment and materials mobilization	a. Coordinating with transportation institution to install traffic sign around the development of Patimban seaport location in accordance with ministerial	a. Monitoring traffic condition; b. Identifying accident number that occurred.	Implementation Package 1: Traffic condition affected by the project is being monitored periodically. Vehicle volume survey is conducted once a month.

				regulation No.13 year 2014 about the traffic sign; b. Coordinating with police agencies to organize traffic around the Patimban seaport development location; c. Installing sign of construction warning signs in the entry and exit access of patimban seaport development location; d. Arranging schedule of heavy equipment and materials mobilization not in the vehicle peak hours; e. Placement of officer to arrange traffic in the entry and exit access of patimban seaport development location; f. Implementing ANDALLALIN (Assessment Impact of Traffic) recommendation. **[DGST, CP1, CP2, CP3, CP4]**		During February to May, no accident and traffic jam related to the project was reported. No recorded occurence of traffic jam at Pusakanagara road going to Jobsite confirmed, because construction equipment and materials were being transported during night time (as requirements).The type/weight of equipment and speed were restricted.  Traffic condition in Patimban Port Access Road  Transportation at night time Implementation Package 2: No vehicle activities related to the project was reported during February to May. Therefore, no accident was reported. Implementation Package 4: Equipment with appropriate and sufficient signs. Completing with flagman for traffic control.

						See the attachment of land traffic conditions and accident numbers.
3C	Sea traffic disruption	No occurrence of ship collision on the Patimban area	Heavy equipment and materials mobilization	a. Coordinating with UPP (Port Operator Unit) Pamanukan about material transporting route on the sea; b. Coordinating with Tanjung Priok Navigation District about materials transporting sailing line; c. Socializing materials transporting route to the fishermen; d. Organizing material transporting time; e. Implementer contractor open the communication with the ships around materials transporting route. **[DGST, CP1, CP2, CP3, CP4]**	a. Monitoring sea traffic condition; b. Identifying accident number that occurred. **[CP1, CP2, CP3, CP4]**	Sea traffic condition related to the project is being monitored periodically. Implementation Package 1: During February to May, no recorded occurrence of ship collision at patimban waters. Offshore activities are being coordinated with patimban harbor master and necessary permits have been secured before start of works.  Sea traffic condition in construction area Implementation Package 2: No major sea activity was conducted during March to April. No accident was reported.
3D	Public unrest	No public unrest occurrence.	Heavy equipment and materials mobilization.	a. Socializing transporting route of heavy equipment and materials mobilization to the nearest community; b. Socializing the materials transporting route to the fishermen; c. Establishing a Grievance Redress Center /Fast Response Team to accommodate and responds to public unrest related to the Patimban Seaport;	a. Measurement of the amount of grievances raised of heavy equipment and materials mobilization activity. Its identification shall be acquired by interview survey. b. Measurement of the amount of protest and demonstration raised to the representative office. The data shall be collected by evidences of related reports to the local government, or to project	Implementation Package 1 Interview to the people around the project site on May 2019. Sample number is determined by purposive sampling for people affected. The respondents were selected from various background such as local leader, people affected, and fishermen. Public unrest percentage about heavy equipment and material mobilization is shown on chart below.

				d. Making community discussion forum with local government to find solution on problems aroused by the development activity. **[DGST, CP1, CP2, CP3, CP4]**	implementing representatives (secondary data) c. Regarding to the information and data that need to be explored deeper, shall conducted in-depth interview with key informants, such as with local elderly representatives; d. Sampling population is calculated purposively. **[DGST, CP1, CP2, CP3, CP4]**	 In order to maintain the public unrest condition to meet the minimum level for people not to feel worried, the contractors conducted the material and heavy equipment transportation by night time to avoid traffic jam. In addition, the contractor conducted the CSR program (beyond compliance) for public infrastructure such as renovation for Mosque and donation for orphans in Pusakaratu village, besides the LRP program as mandatory requirement.  Donation for Orphan in Puskaratu Village

						 Donation for Road pavement in Dusun Genteng
4.	**Reclamation and off-shores facility development**					
4A	Deterioration of sea water quality (TSS).	TSS concentration below environment quality standard based on Kepmen LH No 51 year 2004 Sea water quality standard Appendix I (80 mg/L).	Reclamation activity and off-shore facility development.	a. Reclamation activity is conducted in the water area which has been bordered by seawall; b. Minimizing dumping volume as much as possible by adopting the newest technology such as Cement Pipe Mixing. **[CP1, CP2]**	Conducting sea water quality laboratory analysis, after which the results are compared with the air quality standard quality based on Kepmen LH no. 51 year 2004. Furthermore, monitoring results are converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and controlling status with the critical level. **[CP1]**	Implementation Package 1 The activity has not yet started.
4B	Fishing ground change.	No report of fishing area disruption and/or decreasing of fishermen production/income .	Reclamation activity and off-shore facility development.	a. Communicating and socializing with fishermen community about reclamation and off-shores facility development. b. Making basic rumpon (artificial fish shelter) according to the Regulation of Marine and fisheries ministry Republic of Indonesia No. 26/Permen-KP/2014 around Patimban waters out of DLKP (Regional Sphere of Interest) and DLKR (working area) Patimban seaport. **[DGST]**	a. Collecting data of number of grievances raised, by analyzing the results of consultations taken during the survey; b. Monitoring fisheries production and its condition by interview with fishermen. **[CP1]**	Implementation Package 1 a. There are no related complaints number based on contractor's survey. b. Rumpon (artificial fish shelter) is under preparation. Meanwhile, based on community assessment, the majority of the community is asking for gillnet training (Rampus) as a program to restore their livelihood. Therefore, the priority program while rumpon is being prepared, the subject training is being conducted (as described in LRP training).
4C	Public unrest.	No public unrest occurrence.	Reclamation activity and off-	a. Socializing to the fishermen about rumpon (artificial fish	a. Identification of number of grievances risen due to	Implementation Package 1

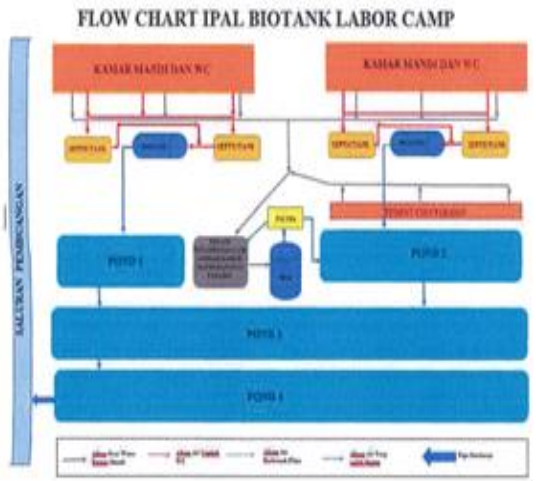
			shore facility development.	shelter) installation plan according to the Regulation of Marine and fisheries ministry Republic of Indonesia No. 26/Permen-KP/2014 around Patimban waters out of DLKP (Regional Sphere of Interest) and DLKR (Area Work) Patimban seaport; b. Making Grievance Redress Center/Fast Response team to accommodate and respond to public unrest related to the Patimban Seaport development project; c. Organizing community discussion forums with local governments to solve problems that rise during the development activity. **[DGST, CP1, CP2]**	reclamation activity b. Identification by interview using questionnaire (primary data); c. Identification of number of people protesting and demonstrating against the project implementing representative office shall be gained from such cases reported to the local government or to the project implementing representative office (secondary data); d. Regarding to the information and data that need to be explored deeper, shall conducted in-depth interview with key informants, such as with local elderly representatives; e. Sampling population is calculated purposively. **[DGST, CP1, CP2, CP3, CP4**	Interview to the people around the project site on May 2019. Sample number is determined by purposive sampling for people affected. The respondents are selected from various background such as local leader, people affected, and fishermen. Public unrest percentage about reclamation and offshore facility development is shown on chart below.  In order to minimize the public unrest due to reclamation activity and offshore facility development, the contractor socialized to communities, up to date technology that is used such as Cement Pipe Mixing technology, and also CSR program as mentioned above.
5	**Dredging and dumping**					
5A	Deterioration of sea water quality (TSS).	TSS concentration below environment quality standard based on Kepmen LH No 51 year 2004 Sea water quality standard Appendix I (80 mg/L).	Dredging and dumping.	a. Constructing seawall in the early phase; b. Installing silt protector around dredging area by grab dredging; c. Disposing dumping materials not at one spot but to disperse them in dumping area; d. Using proper equipment for dredging and dumping. **[CP1, CP2]**	Conducting TSS measurement, after which the results are compared with the sea water quality standard based on Kepmen LH no. 51 year 2004. Furthermore, monitoring results shall be converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and control status with the crictical level. **[CP1]**	CP1 Implementation: During March to May 2019, the TSS concentrations meet the Indonesian standard according to MoE Decree No. 51/2004. However, there were 12 days in March, at which point the impacted sites were more than 10 mg/L, particularly, at the shallower sites closer to shore (e.g., sites W1, W2, W4, and W11) and Site W3. Above points are recorded that the shallower sites closer to shore were occasionally higher than 20 mg/L ,more than reference site value in Week 17 and Week 18 (i.e on 7 March 2019, 20 March 2019, 27 March 2019 and 28 March 2019). In this period, TSS concentrations were relatively consistent across the study area, with TSS ranging from 1.70 – 52.27 mg/L and standard deviation of 6.2 mg/L. Turbidity levels were ranging from 1.38 to 42.40 NTU across all sites. TSS and turbidity were similar in the bottom and surface layers

						There were 15 days in May, at which point the impacted sites were more than 10 mg/L, particularly, at the shallower sites closer to shore (e.g., sites W1, W2, W4, and W11). It was recorded that the shallower sites closer to shore were occasionally higher than 20 mg/L above reference site in Week 23, Week 24, Week 25 and Week 26 (i.e., on 1-2 May 2019, 7 May 2019, 13 May 2019, 16 May 2019 and 23 May 2019). Sampling data results are attached here (Table 2 to 7).  Sampling location, area w1  Turbiditymeter and result

						 Sampling Activity  Silt protector was installed during dredging activities
6.	**On-shore facility development**					
6A	Increasing of water run-off rate.	No flooding.	On-shore facility development.	a. Make drainage that can drain water run-off; b. Optimizing of RTH (Green Open Space) on the unused land; c. Coordinating with Bina Marga and Irrigation Agency, related on drainage construction in the seaport location. **[DGST]**	Direct monitoring on the state and function of drainage channel and RTH (Green Opened Space). **[DGST]**	DGST Implementation: The activity has not yet started.
6B	Public unrest	No public unrest occurrence	On-shore facility development	a. Develop a new irrigation channel to replace disconnected irrigation channels affected by On-shore facility development; b. Develop underpass/fly over or moving th*e* road on the public access road which is crossed with Patimban seaport access road; c. Develop complaint center/fast response team to accommodate and response public unrest to the Patimban Seaport development; d. Develop community discussion forum with local government to solve the	a. Monitoring of new irrigation channel as replacement of disconnected irrigation channel; b. Monitoring underpass/fly over on the public access road which is crossed with Patimban seaport access road c. Measure of number of anxiety due to On-shore facility development activity; d. Measurement conducted by interview with questionnaire toolkit (primary data); e. Measure the amount of people protest and demonstration to the initiator representative office taken	Implementation Package 1 The activity has not yet started.

				problem that arouse when development activity. **[DGST]**	from local government or office representative (secondary data); f. Regarding to the information and data that need to be explored deeper, shall conducted in-depth interview with key informants, such as with local elderly representatives; g. Sampling population is calculated purposively. **[DGST]**	
Managed other environmental impact						
CONSTRUCTION PHASE						
2.	**Procurement of Labor and Basecamp operation**					
2A	Deterioration of sea water quality.	Sea water is not polluted by workers domestic waste.	Procurement of labor and Basecamp operation.	Installation of portable toilet and waste water processing facility such as septic tank and its maintenance. **[CP1, CP2, CP3, CP4]**	Confirmation and maintenance of sanitary facility, waste water management facility. **[CP1, CP2, CP3, CP4]**	The waste water management and sanitary system were being implemented by Contractors at the job site and workers accommodation. Maintenances are scheduled periodically (housekeeping). All non-hazardous waste coming from marine activity area are stored at the jetty or causeway before they are disposed by the licensed waste transporter (3rd Party). A designated bin near the project site and site office area also be collected by the waste transporter (3rd Party). PTRPW has collaborated with BANK SAMPAH (local provider form Patimban Village) for Industrial waste management.  Toilet

						 Septic tank   Type of Waste bin separation and maintenance by housekeeping being implemented   WWTP is being monitored periodically

						 Flow chart of Waste water Management being implemented
2B	Appearance of infectious diseases.	The number of patients and infectious diseases are not increased related with workers in construction phase.	Procurement of labor and Basecamp operation.	a. Coordination with related institution and NGO due to HIV/AIDS prevention program, including socialization about sexual infectious diseases prevention; b. Coordination with related institution due to the treatment for sexual infectious diseases patients, gonorrhea, and syphilis by injection and oral method in the Pusakanegara public health center (Puskesmas). Routine examination (every 3 months) by VCT (Voluntary Counseling and Testing) method; c. Cooperating with Warga Peduli AIDS (WPA) at the village level to conduct ODHA positive activity (People with HIV / AIDS), such as gathering activity.	a. Collecting report about implementation of HIV / AIDS prevention program; b. Collecting report on maintenance of sanitary facility, waste water management facility, and garbage dump; c. Identifying the number of patients comparing with data before construction. **[CP1, CP2, CP3, CP4]**	• On March 29th 2019, the Seminar already conducted by CP 1, attended by 85 participants. The event divided by two sessions, first session attended by 49 participants at 8.45 am, while the second attended by 36 participants at 10.00 am. The participants from; DGST, PatimOne, CP 1, and the Contractors (photos as attach). Meanwhile the facilitators from Subang Regency Health Department (Mr. Suwata and Mrs. Susi). The seminar describes about general understanding about HIV / AIDS and sexually transmitted infection, HIV / AIDS in West Java (especially in Subang regency), disease transmission process, prevention, and treatment. At the ends of session, the facilitator shares mini bags (educational media, and condom) for 30 Pax.  HIV Seminar

				d. Developing sanitary facility, temporary garbage collection place (TPS), and processing facility **[CP1, CP2, CP3, CP4]**		• On May 13th, HIV / AIDS Prevention program has implemented information, education communication campaign in Door to Door approach program. ISOS Paramedic encourage community awareness to get clear information about HIV / AIDS; HIV is preventable, can be avoided by Abstinence, Loyal with one partner, Knowing the HIV status, and Condom to prevent the infection. In addition, the sterile syringe usage is a mandatory for medical treatment.  Door to Door public awareness for Infectious Diseases
3.	**Heavy equipment and materials mobilization**					
3A	Road damage	Minimized road damage	Equipment and materials mobilization	a. Choosing the as minimum as possible for transporting equipment and material that exceed road capacity; b. Material transportation for construction shall be based on road class and driving license; c. Heavy equipment shall meet the requirement of directorate general of land transportation regarding Technical guidelines for the heavy vehicle operation on the road (Ministry of Transportation Regulation Number PM 32 Years 2016;	Monitoring directly of road condition Analysis based on consultant survey **[CP1, CP2, CP3, CP4]**	Package 1: The contractor uses the public road for access to site is restricted to light construction equipment and transporting during night time with limited speed. The road condition shows that no damage was caused by the Patimban Port activity (No road damage was reported during February to May).

				d. Rehabilitation of road if there is damage caused by project activity; e. Vehicle using tarpaulin f. Coordination with Bina Marga and Irrigation Agency of Subang Regency in managing (repairing) if there is Road damage. **[CP1, CP2, CP3, CP4]**		The road condition are shown on pictures below.  Pantura - Pusakanagara  Gempol Intersection  Kalentambo The Road Condition Package 2: During the construction of land clearing, cut and fill for site office Package 2 in May, many trucks passed the access road to mobilize materials and road was damaged .(under clarification)

						   Road damaged after land clearing, cut & fill works Sea route is used for distribution/transportation of material and heavy equipment to avoid road damage. However, monitoring of road damage will start in June, after construction phase commences. Package 3: The activity has not yet started.

						Package 4: Road repairs have been made.
3B	Increasing of noise.	Noise intensity according to Ministerial decree of environment ministry No. Kep. 48/MENLH/II/1996 .	Equipment and materials mobilization.	a. Heavy equipment and materials mobilization using Patimban seaport construction access road which is relatively quiet and away from settlements; b. Heavy equipment and materials mobilization are not conducted in convoy; c. Vehicle speed setting; d. Using proper vehicle. **[CP1, CP2, CP3, CP4]**	Conducting noise laboratory analysis, the results shall be compared with the noise standard refer to Kepmen LH No. 48 year 1996. Furthermore, monitoring results shall be converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and crictical level. **[CP4]**	CP 1 Implementation: Traffic condition affected by the project is being monitored periodically. Vehicle volume survey is conducted once a month. CP 2 Implementation: The activity has not yet started CP 3 Implementation: The activity has not yet started CP 4 Implementation: 1.Trucks and tools are maintained periodically; 2.Noise measurements has been conducted on April 2019. The data result is shown in attachment (table 9) Only STA 0 is above the standard, this station is located along the Pantura, so this may not derive from the construction activities.  The situation around of noise sampling point STA 0
4	**Reclamation and Marine Facility Construction (Supplementary Note on Approved AMDAL/EIA)**					
4A	Disturbance of fishing ground.	No disturbances on marine biota (necton and benthos)	Reclamation and Marine Facility Construction.	N/A	a. Monitoring regarding to the complaint received and analyze based on consultant survey; b. Monitoring the fishery condition and productivity by interview the fishermen. **[CP1]**	CP1 Implementation: In reference to the baseline survey results, a total of 182 individual fish, crustaceans, and Mollusca comprising 16 taxa were recorded during the baseline survey: Amusium pleuronectes, Arothron sp., Engraulidae sp., Eleutheronema tetradactylum, Gerres filamentosus, Harpiosquilla raphidea, Johnius sp., Leiognathus equulus, Moolgarda sp., Nemipterus japonicas, Penaeus merguiensis, Saurida tumbil, Selaroides leptolepis, Siganus sp., Solea solea, and Terapon puta. The most abundant fish species found within the area are Leiognathus equulus (125 individuals) and Engraulidae sp. (18 individuals),

						while the most abundant crustacean species are Harpiosquilla raphidea (seven individuals) and Penaeus merguiensis (six individuals). Species richness ranged from three species at sites N1 (west study area) and N3 (east study area) to 10 species at site N4 (north study area, near the spoil ground).
5.	**Dredging and Disposal (Supplementary Note on Approved AMDAL)**					
5A	Disturbance of Marine Life (Nekton and Benthos)	Sediment quality is not deteriorated	Dumping activity	N/A	a. Monitoring of dredging material sediment quality before dumping b. Bathymetry survey in dumping location c. **[CP1]**	CP1 Implementaion: Baseline of lead (Pb) in the sediment (see table 10) was exceeding standard 1 and 2 which are considered as reference levels; however, it satisfied standard 3 which is suitable as the standard for this monitoring activity based on the EIA document. (Standard 3 is the level that aquatic life may be affected in accordance with Canadian Sediment Quality Guidelines (SQG) for the Protection of Aquatic Life, while standard 1 and 2 are just screening levels.) In addition, construction works which cause Pb pollution have not been conducted in the project. Thus, we conclude that specific mitigation measures are not necessary at this moment. However, we will watch Pb value together with another parameters carefully, and if Pb value will become deteriorate due to the construction work, we will implement necessary mitigation measures.
6.	**On-shore facility development**					
6A	Deterioration of air quality (TSP and emission)	Concentration of SO_2, CO, NO_2 and TSP not to exceed air quality standard based on Government regulation No. 41 year of 1999 on Air pollutions control	On-shore facility development	a. Maintenance of trucks and equipment to keep them. in good condition; b. Using loading sheets whenever transported construction materials (if necessary); c. Provide guardrail from iron sheeting with minimal height 2.5 meter (if necessary). **[DGST, CP3, CP4]**	Conducting air quality laboratory analysis, after which the results shall be compared with the air standard quality based on PP No. 41 year of 1999. Furthermore, monitoring results shall be converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and control status with crictical level. **[CP4]**	DGST Implementation: No Data Record CP 3 Implementation: The activity has not yet started CP 4 Implementation: 1. Air quality measurement was conducted in April 2019. The monitoring results of air quality with 5 parameters (SO_2, CO, NO_2, PM_{10}, TSP) were below the threshold as shown in attachment. 2. Roads were sprinkled regularly to reduce dust pollution. Dust pollution tends to be under control and within limits.  

						Road sprinkled by water spray  Road cleaning due to materials spill 1. Building washing places for vehicle wheel cleaning. Every construction vehicle operating at public roads will undergo vehicle wheel wash first. washing places for vehicle wheel cleaning. Every construction vehicle operating at public roads will undergo vehicle wheel wash first.   2. Vehicle feasibility check  

						3. Material transport trucks are required to be provided with loading sheets.  4. Build special access road for truck mobilization.  Access road to batching plant & project site
6B	Increasing of noise.	Noise level is below environment quality standard based on Kepmen LH No 48 Year 1996 about Noise level standard.	On-shore facility development.	a. Regularly treatment of trucks and equipment in order to maintain fit for operating; b. Avoiding construction activity that cause noise to conducted at night, such as mounting pile. **[DGST, CP3, CP4]**	Conducting noise parameter laboratory analysis, the results shall be compared with the noise standard quality based on Kepmen LH No. 48 year 1996. Furthermore, monitoring results shall be converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and crictical level. **[CP4]**	C4 Implementation: 1. Regular maintenance of trucks and equipment to keep them in good condition. 2. There are no construction activities that cause noise at night. 3. Noise measurements has been conducted on April 2019. Conducting noise testing at 3 points during construction process every 6 months. According to laboratory data result attached herewith (as shown in Table 9), the baseline data, namely; STA 0 +000; STA 2 + 700 and STA 7 +000, in October 2018, the measurement results showed that the STA 0 + 000 noise level have had exceeded the required threshold before the activity. While for STA2 700 and STA 7 +000, it was not exceeding the required threshold.
6C	Deterioration of sea water quality	Sea water quality not to deteriorate drastically because of project activity.	On-shore facility construction	Reducing or regulating waste water discharge volume produced by former fishpond location during landfill process.	Conducted sampling of sea water after which the results were compared with Kepmen LH No. 51 year of 2004.	CP1 Implementation: The waste management and sanitary system were being implemented by CP1 at the jobsite and workers

				[DGST, CP3, CP4]	Furthermore, monitoring results shall be converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and control status with crictical level. **[CP1]**	accommodation. Waste is separated according to type of waste. Garbage is moved out from jetty by local service provider. And secondary containment is provided for oil spill handling. Maintenance is being conducted by scheduled housekeeping. In general, physical water quality parameters were relatively consistent across the study area In general, physical water quality parameters were relatively consistent across the study area and across depths, suggesting that the water column is well mixed. Water temperatures at surface and in bottom layers were 25°C. Dissolved oxygen (DO) concentrations ranged from 6.24–9.24 mg/L at the surface and 6.36– 8 mg/L in the bottom layer. Although there are no Indonesian or Japanese marine water quality standards for DO, concentrations of <7 mg/L are considered to be low for coastal environments. The pH varied from 8.184 to 8.567. The pH in some points above the standard value. Sea water quality monitoring data shows that water quality values are basically stable in comparison with pre-construction respective values. Thus, we think that no specific deterioration of value was confirmed at this point, by impact from construction activity as of yet, and that the monitoring data value comes from mainly natural phenomena. Thus, we will watch pH value carefully, and if pH value will become deteriorate due to the construction work, we will implement necessary mitigation measures. Analysis results for each parameters of water quality are attached herewith (Table 1 below).
6D	Disruption of terrestrial fauna (bird)	Presence of habitats for terrestrial fauna	On-shore facility development	a. Provide new habitat (such as plant mangrove) for terrestrial fauna and maintain that habitat; b. Workers are not allowed to disturb terrestrial fauna around activity location. **[a; DGST, b; CP1, CP2, CP3, CP4]**	a. Reporting of the new created habitat; b. Direct monitoring in the fields. **[DGST]**	The activity has not yet started

6E	Disruption of terrestrial flora	Presence of habitats for terrestrial flora	On-shore facility development	a. Provide new habitat (such as planting mangroves) for terrestrial flora and maintain that habitat b. Workers are not allowed to disturb terrestrial flora around activity location. **[a; DGST, b; CP1, CP2, CP3, CP4]**	Reporting of the new created habitat. **[DGST]**	The activity has not yet started
7.	**Access road development**					
7A	Deterioration of air quality (TSP and emission)	Concentration of SO_2, CO, NO_2 and TSP not to exceed air quality standard based on Government regulations No. 41 years 1999 on Air pollutions control	Access road development activity	a. Maintenance of trucks and equipment to keep them maintained and fit to operate. b. Using loading sheets on truck that bring construction materials (if necessary); c. Develop guardrail made of iron sheeting with minimal height 2.5 meter (if necessary). **[CP3, CP4]**	Conducting air quality laboratory analysis, in which the results shall be compared with the air standard quality based on PP No. 41 years 1999. Furthermore, monitoring results are converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and controlled status with crictical level. **[CP4]**	CP 3 Implementation: The activity has not yet started CP 4 Implementation: 1. Air Quality measurements has been conducted on April 2019. The laboratory data results are attached here, as shown at table 9.  2. Roads are sprinkled regularly to reduce dust pollution. Dust pollution tends to be under control within limits. 

						3. Building washing places for vehicle wheel cleaning. Every construction vehicle that operate at the public roads undergo wheel wash first.   4.Project access road & Vehicle feasibility check   5.Roads cleaning from scattered material truck activity.  6.Loading sheets for material transport. 

						7.Build special access road for trucks to operate.   Access road to batching plant & project site
7B	Increasing of noise	To maintain noise level below environment quality standard based on Kepmen LH No 48 year of 1996 about Noise level standard	Access road development activity	a. Maintenance of trucks and equipment to keep them in good condition; b. Avoiding construction activity that cause noise at night. **[CP3, CP4]**	Conducting noise parameter laboratory analysis, the results shall be compared with the noise standard quality based on Kepmen LH No. 48 year 1996. Furthermore, monitoring results shall be converted into average values and compared from time to time (data trend) to see the tendency of environment quality change and crictical level. **[CP4]**	CP 3 Implementation: The activity has not yet started CP 4 Implementation: 1.Trucks and equipment are maintained periodically. 2. Noise measurements had been conducted on April 2019. The data results are attached herewith (Table 9)
7C	Deterioration of surface water quality	Maintain surface water quality below environment quality standard based on PP No. 82 year 2001 on Water quality management and Water pollution control	Access road development	Prevention to reduce turbidity of water bodies such as by installation of drainage channel or emergency retention pond during construction process. **[CP3, CP4]**	Monitoring TSS values, using turbidity meter. **[CP4]**	CP 3 Implementation: The activity has not yet started CP 4 Implementation: 1. Drainage channel were built during construction process. 

						2. Surface Water quality monitoring  Water sampling
7D	Increasing of water run-off rate	Excessive run-off does not occur	Access road development	Installation of drainage channel or emergency retention pond during construction process **[CP3, CP4]**	Direct monitoring in the fields **[CP4]**	CP 3 Implementation: The activity has not yet started CP 4 Implementation: 1. Creating drainage channels during the construction process  2. Repairs after the rain has subsided to improve drainage and drain water. 

7E	Public unrest	No public unrest occurrence	Access road development	a. Installing bridge or other facilities to be able to cross to the access road; b. Installing fences along access road to secure safety and to prevent accidents of people or livestock; c. Establishment of Grievance Redress Center /Fast Response Team to accommodate and respond to public unrest related to the Patimban Seaport Development Project; **[CP3, CP4]**	a. Identification of number of grievances raised due to access road operation activity; b. Identification by interview process using questionnaire (primary data) c. Identification of number people protest and demonstrating against the project implementing representative office shall be achieved from related reports to local governments or to project implementing representative office (secondary data). d. Regarding to the information and data that need to be explored deeper, shall conducted in-depth interview with key informants, such as with local elderly representatives; e. Sample amount determined by purposive, based on research purposes and taken by characteristics known community. **[DGST, CP4]**	According to the houses being cracked due to installation of piles on access road development of the grievance form filled in by the residents on Previous PSR, the contractor just implemented and resolved the problem caused by the road development activities (in response to grievances on claim of having their residential structures being cracked) consisting of condition with; In October 2018, residents along construction site of the access road complained about houses being cracked due to installation of piles, and requested relocation of residents that must be funded by related parties. In December 1st 2018, the contractor holds up meeting with some parties consist of; complainants representatives, local government (village head), Ministry of Public Works and Public Housing (Pekerjaan Umum dan Perumahan Rakyat / PUPR) representatives as supervisor and contractor. The agenda of the meeting is to accommodate the requisition. The resolution made; 1. The contractor pay compensation for temporary relocatation while the houses are also repaired; 2. All the activity will stop for a while until the compensation terms and conditions are accepted by the residents 3. Contractor, resident representatives, and PUPR had signed on an agreement as acknowledgement. Then after, in December 14, 2018, the compensation was paid to 15 household affected by impact of having their residential buildings cracked, due to installation of piles work.

Note: DGST ;Directorate General of Sea Transportation, Ministry of Transportation Republic of Indonesia
CP1; Contractor of Package-1
CP2; Contractor of Package-2
CP3; Contractor of Package-3
CP4; Contractor of Package-

2. Details on Natural Environment

Figure Survey area for the Patimban Port construction monitoring.

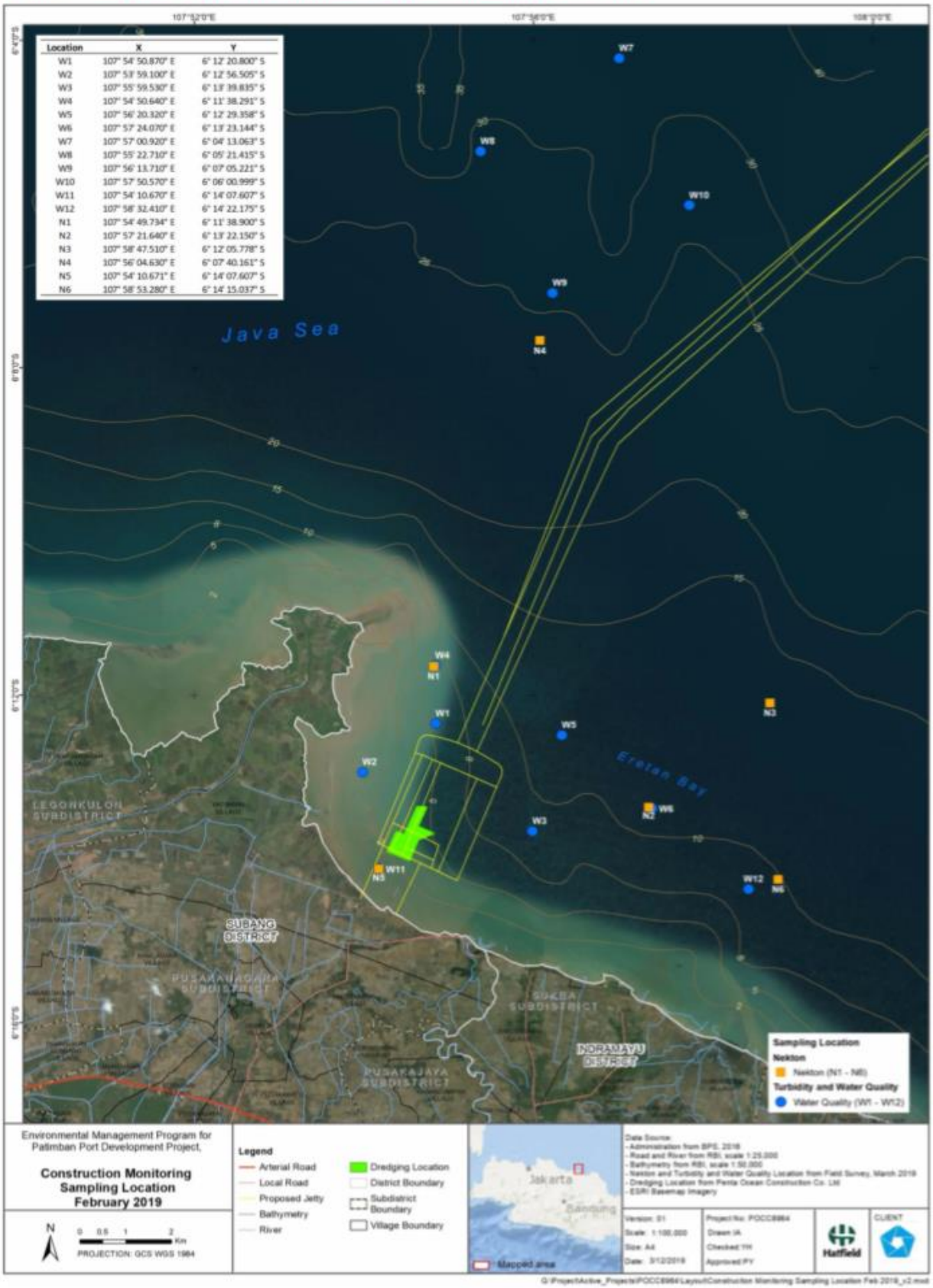


Table 1 Quarterly sea water sampling result (March 2019)

Parameter	Layer	Unit	Indo. Std[1]	Japan Std[2]	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Physical Parameters																
Odour	Surface	-	-	-	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
Temperature	Surface	°C	-	-	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.0	25.0	25.0
	Bottom	°C	-	-	25.1	25.0	25.0	25.0	25.2	25.0	25.1	25.2	25.0	25.0	25.0	25.1
Salinity (in situ)*	Surface	PSU	-	-	4.7	5	3.5	4.2	4.2	5	3.1	3	3.3	3.2	5.2	5.3
	Bottom	PSU	-	-	4.8	5.2	3.6	4.5	4.2	5.2	2.9	3.3	3.4	3.3	5.2	5.2
Salinity (lab)	Surface	PSU	-	-	25	29	28.2	25.7	28.4	28.7	31.7	31.4	31.5	31.8	30.3	29.4
	Bottom	PSU	-	-	25.6	29.6	28.9	28.7	28.9	29.1	31.8	31.7	31.6	31.5	30.1	29.9
Dissolved oxygen (DO)	Surface	mg/L	-	-	6.83	6.77	6.55	8.1	7.69	6.94	6.59	7.02	7.21	6.24	9.24	6.55
	Bottom	mg/L	-	-	6.92	6.8	6.62	6.36	8.1	6.97	7.35	7.27	6.38	7.29	8.73	6.78
pH	Surface	pH units	6.5-8.5	7.0-8.3	8.435	8.549	8.44	8.528	8.498	8.329	8.483	8.474	8.184	8.459	8.599	8.443
	Bottom	pH units	6.5-8.5	7.0-8.3	8.524	8.557	8.492	8.476	8.528	8.346	8.488	8.468	8.271	8.429	8.567	8.456
Total suspended solids (TSS)	Surface	mg/L	80	-	9.3	7	2	6	2	2	<1	2	1	<1	10	3
	Bottom	mg/L	80	-	1	9	4	1	1	1	<1	<1	1	12.7	8	1
Turbidity (in situ)[3]	Surface	NTU	-	-	19.8	9.45	10.6	9.72	6.38	7.69	1.69	2.86	4.02	3.52	12.7	7.24
	Bottom	NTU	-	-	10.1	13.8	4.66	8.51	3.87	3.97	3.47	3.35	4.88	4.28	13.3	4.61
Turbidity (lab)	Surface	NTU	-	-	16.2	11.1	2	6	2	2	<1	2	1	<1	10	3
	Bottom	NTU	-	-	11.2	13.9	5.7	8.7	3.9	3.9	3.9	2.7	4.7	5.8	11.6	5.8
Clarity / Transparency[3]	Surface	m	>3	-	0.7	0.6	2.3	1.1	2.5	0.8	7.5	9	1.25	2.5	0.4	2.3
Nutrients and Anions																
Ammonia ($N\text{-}NH_3$)	Surface	mg/L	0.3	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Phosphate ($P\text{-}PO_4$)	Surface	mg/L	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sulfide - Unionized	Surface	mg/L	0.03	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Metals																
Cadmium (Cd)	Surface	mg/L	0.01	0.003	0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Copper (Cu)	Surface	mg/L	0.05	-	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Lead (Pb)	Surface	mg/L	0.05	0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zinc (Zn)	Surface	mg/L	0.1	-	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury (Hg)	Surface	mg/L	0.003	0.0005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Micro-biology																
Total Coliforms	Surface	MPN/100 ml	1,000	1,000	1600	1600	>1600	>1600	>1600	1600	17	22	<2	220	240	1600
Others																
Oil & Grease	Surface	mg/L	1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Phenol	Surface	mg/L	0.002	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Surfactant / Detergent (MBAS)	Surface	mg/L	1	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total Hydrocarbons	Surface	mg/L	1	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Polychlorinated Biphenyl (PCB)	Surface	mg/L	0.00001	Not detected	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Tributyltin (TBT)	Surface	mg/L	0.00001	-	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Note :
* Equipment malfunction
[1] Indonesia Standard: Decree of Minister of Environment No.51/2004 on Sea Water Quality Standard (Appendix 1 - Sea Area, Port)
[2] Japan Standard: Water Pollution Control Law (Human Health)
[3] Data not presented for site W3 due to an equipment malfunction
[4] Based on $y = 0.1236x + 0.2227$, where x is turbidity (NTU) and y is TSS concentration (mg/L)
[5] There are no Indonesian or Japanese water quality standards for turbidity in ports

Result exceeded Indonesian standard
Result exceeded Japanese standard
Result exceeded both Indonesian and Japanese standards

Table 2 Daily Monitoring for TSS results at surface-layer (1-31 March 2019)

Date	Total Suspended Solid (mg/L)											
	W12	W1	W3	W5	W2	W4	W6	W7	W8	W9	W10	W11
1-Mar-19	**3.24**	6.15	3.30	4.32	-	-	-	-	-	-	-	-
2-Mar-19	**3.58**	15.29	6.40	3.55	-	-	-	-	-	-	-	-
3-Mar-19	**5.65**	9.41	3.85	4.12	-	-	-	-	-	-	-	-
4-Mar-19	**5.30**	7.22	5.33	4.36	-	-	-	-	-	-	-	-
5-Mar-19	**8.93**	24.41	13.07	7.87	11.65	11.45	9.48	-	-	-	-	15.66
6-Mar-19	**5.66**	12.95	7.92	7.13	-	-	-	-	-	-	-	-
7-Mar-19	**5.55**	29.59	9.41	5.83	21.33	34.89	5.46	2.08	3.53	4.96	4.34	15.78
8-Mar-19	**7.08**	17.14	11.39	7.46	-	-	-	-	-	-	-	-
9-Mar-19	**3.42**	13.56	6.53	3.28	-	-	-	-	-	-	-	-
10-Mar-19	**2.59**	7.25	7.57	6.03	-	-	-	-	-	-	-	-
11-Mar-19	**4.51**	9.04	2.68	6.35	-	-	-	-	-	-	-	-
12-Mar-19	**4.15**	13.44	4.03	6.26	-	-	-	-	-	-	-	-
13-Mar-19	**7.36**	14.06	7.98	5.42	13.19	11.80	6.32	1.96	1.70	3.06	4.96	20.47
14-Mar-19	**5.91**	11.86	7.02	6.14	-	-	-	-	-	-	-	-
15-Mar-19	**5.41**	8.06	8.29	7.00	-	-	-	-	-	-	-	-
16-Mar-19	**6.36**	5.83	8.61	5.70	-	-	-	-	-	-	-	-
17-Mar-19	**4.32**	7.72	16.89	6.18	-	-	-	-	-	-	-	-
18-Mar-19	**7.82**	9.39	8.04	7.41	-	-	-	-	-	-	-	-
19-Mar-19	**5.63**	6.81	7.06	4.65	-	-	-	-	-	-	-	-
20-Mar-19	**9.33**	12.45	6.44	7.56	11.48	14.67	6.44	2.37	2.21	2.18	2.50	52.27
21-Mar-19	**3.75**	8.69	8.45	6.69	-	-	-	-	-	-	-	-
22-Mar-19	**5.05**	20.22	6.89	7.00	-	-	-	-	-	-	-	-
23-Mar-19	**6.66**	13.81	6.72	9.80	-	-	-	-	-	-	-	-
24-Mar-19	**9.06**	11.52	8.35	7.80	-	-	-	-	-	-	-	-
25-Mar-19	**6.02**	8.04	6.18	5.01	-	-	-	-	-	-	-	-
26-Mar-19	**8.61**	5.56	5.31	4.50	-	-	-	-	-	-	-	-
27-Mar-19	**3.00**	35.51	6.92	4.51	29.34	30.45	3.34	2.43	3.16	3.65	2.40	10.32
28-Mar-19	**3.49**	31.69	4.51	4.49	-	-	-	-	-	-	-	-
29-Mar-19	**5.01**	8.11	4.88	3.45	-	-	-	-	-	-	-	-
30-Mar-19	**5.82**	5.08	2.38	3.61	-	-	-	-	-	-	-	-
31-Mar-19	**4.19**	5.29	4.12	5.99	-	-	-	-	-	-	-	-

Note: W12 is a reference site.

>10 and <= 20 mg/L above reference site

> 20 above reference site and < 80 mg/L

>= 80 mg/L

Table 3 Daily Monitoring for TSS results at bottom-layer (1-31 March 2019)

Date	Total Suspended Solid (mg/L)											
	W12	W1	W3	W5	W2	W4	W6	W7	W8	W9	W10	W11
1-Mar-19	4.14	5.70	5.56	4.14								
2-Mar-19	3.64	16.03	6.90	5.15								
3-Mar-19	4.85	10.52	6.10	4.69								
4-Mar-19	8.52	6.07	7.84	5.30								
5-Mar-19	5.68	12.45	5.75	4.77	17.01	10.49	4.86					16.40
6-Mar-19	6.66	16.03	12.21	9.47								
7-Mar-19	7.67	27.99	10.25	8.41	24.16	25.15	7.20	4.28	4.13	6.02	5.38	16.64
8-Mar-19	8.62	18.74	12.26	7.93								
9-Mar-19	6.12	15.16	9.06	3.61								
10-Mar-19	3.55	8.36	8.17	7.13								
11-Mar-19	5.54	8.69	5.99	7.32								
12-Mar-19	6.40	14.79	7.30	9.31								
13-Mar-19	9.84	15.53	9.58	7.78	18.49	13.32	7.40	4.17	5.67	4.44	6.15	23.67
14-Mar-19	7.94	15.66	8.26	8.52								
15-Mar-19	6.62	9.23	9.64	7.82								
16-Mar-19	7.96	8.25	9.52	6.66								
17-Mar-19	5.46	9.57	11.23	7.34								
18-Mar-19	9.30	7.63	9.76	8.08								
19-Mar-19	7.88	7.34	9.67	4.96								
20-Mar-19	8.36	10.29	8.59	5.82	12.95	15.04	7.40	7.24	6.65	7.75	3.07	44.01
21-Mar-19	6.12	6.23	9.09	6.42								
22-Mar-19	5.82	16.27	7.64	6.39								
23-Mar-19	7.72	13.93	8.03	8.37								
24-Mar-19	9.32	11.48	8.61	8.21								
25-Mar-19	6.85	8.20	7.04	5.22								
26-Mar-19	9.42	6.26	7.09	6.21								
27-Mar-19	4.87	24.41	6.00	5.68	26.63	29.96	4.82	3.09	4.69	4.62	4.13	13.93
28-Mar-19	2.85	18.74	5.65	4.51								
29-Mar-19	5.88	7.26	4.48	5.75								
30-Mar-19	4.33	9.47	4.19	3.38								
31-Mar-19	2.86	5.05	6.36	7.64								

Table 4 Daily Monitoring for TSS results at surface-layer (1-30 April 2019)

Date	Turbidity (NTU)											
	W12	W1	W3	W5	W2	W4	W6	W7	W8	W9	W10	W11
1-Apr-19	4.5	8.1	5.6	4.6	-	-	-	-	-	-	-	-
2-Apr-19	4.2	14.9	3.3	2.6	-	-	-	-	-	-	-	-
3-Apr-19	6.8	7.2	5.2	3.5	20.5	7.8	5.0	2.8	3.1	4.1	2.6	13.4
4-Apr-19	3.9	5.7	6.1	3.4	-	-	-	-	-	-	-	-
5-Apr-19	4.0	12.1	3.0	3.6	-	-	-	-	-	-	-	-
6-Apr-19	3.8	11.1	3.6	3.4	-	-	-	-	-	-	-	-
7-Apr-19	5.9	19.0	5.2	3.7	-	-	-	-	-	-	-	-
8-Apr-19	6.7	37.7	6.0	6.0	-	-	-	-	-	-	-	-
9-Apr-19	4.8	28.6	7.0	3.9	-	-	-	-	-	-	-	-
10-Apr-19	3.3	22.3	5.4	4.9	17.1	29.1	3.1	4.1	3.0	3.5	3.7	24.5
11-Apr-19	3.5	81.5	2.3	2.2	-	-	-	-	-	-	-	-
12-Apr-19	2.9	37.1	1.9	2.7	-	-	-	-	-	-	-	-
13-Apr-19	3.7	3.5	2.5	2.9	-	-	-	-	-	-	-	-
14-Apr-19	2.7	3.6	2.2	4.2	-	-	-	-	-	-	-	-
15-Apr-19	2.7	6.4	3.9	1.7	-	-	-	-	-	-	-	-
16-Apr-19	2.8	4.0	3.1	2.7	-	-	-	-	-	-	-	-
17-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Apr-19	6.2	6.8	3.3	2.6	-	-	-	-	-	-	-	-
19-Apr-19	4.6	8.1	5.8	6.2	-	-	-	-	-	-	-	-
20-Apr-19	4.2	27.6	5.5	5.3	-	-	-	-	-	-	-	-
21-Apr-19	6.0	8.7	5.9	4.0	-	-	-	-	-	-	-	-
22-Apr-19	9.5	14.3	6.1	5.6	-	-	-	-	-	-	-	-
23-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-
24-Apr-19	-	14.1	9.9	8.5	-	-	-	-	-	-	-	-
25-Apr-19	5.1	9.5	7.7	4.7	75.2	20.1	5.1	1.4	1.5	1.2	2.1	46.4
26-Apr-19	8.9	19.0	12.7	7.4	44.5	-	-	-	-	-	-	-
27-Apr-19	4.3	8.0	10.8	6.5	-	-	-	-	-	-	-	-
28-Apr-19	4.7	13.3	4.4	5.3	-	-	-	-	-	-	-	-
29-Apr-19	3.6	4.8	4.6	2.6	-	-	-	-	-	-	-	-
30-Apr-19	4.9	9.1	7.9	5.1	-	-	-	-	-	-	-	-

Note: W12 is a reference site.

>10 and <= 20 mg/L above reference site

> 20 above reference site and < 80 mg/L

>= 80 mg/L

Table 5 Daily Monitoring for TSS results at Bottom-layer (1-30 April 2019)

Date	Total Suspended Solids (mg/L)											
	W12	W1	W3	W5	W2	W4	W6	W7	W8	W9	W10	W11
1-Apr-19	7.9	13.9	5.8	5.0	-	-	-	-	-	-	-	-
2-Apr-19	3.4	9.6	7.7	3.2	-	-	-	-	-	-	-	-
3-Apr-19	8.1	8.1	8.2	4.5	23.8	8.7	7.5	6.2	6.3	6.2	4.1	15.2
4-Apr-19	5.8	7.0	7.6	4.6	-	-	-	-	-	-	-	-
5-Apr-19	5.9	11.6	5.4	7.2	-	-	-	-	-	-	-	-
6-Apr-19	8.0	12.0	7.2	4.1	-	-	-	-	-	-	-	-
7-Apr-19	6.3	13.6	6.0	5.4	-	-	-	-	-	-	-	-
8-Apr-19	9.2	28.1	6.4	6.2	-	-	-	-	-	-	-	-
9-Apr-19	7.4	21.8	7.3	6.5	-	-	-	-	-	-	-	-
10-Apr-19	5.1	20.8	6.3	5.4	22.2	26.1	4.1	5.1	4.4	4.3	5.4	21.3
11-Apr-19	4.8	22.9	3.9	3.7	-	-	-	-	-	-	-	-
12-Apr-19	3.7	29.8	3.8	5.0	-	-	-	-	-	-	-	-
13-Apr-19	5.3	5.2	4.1	5.2	-	-	-	-	-	-	-	-
14-Apr-19	5.8	5.9	6.1	5.6	-	-	-	-	-	-	-	-
15-Apr-19	4.3	9.0	6.6	3.9	-	-	-	-	-	-	-	-
16-Apr-19	4.7	8.9	5.1	4.4	-	-	-	-	-	-	-	-
17-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-
18-Apr-19	4.3	8.4	7.7	3.8	-	-	-	-	-	-	-	-
19-Apr-19	5.7	9.3	6.8	6.6	-	-	-	-	-	-	-	-
20-Apr-19	3.8	22.3	6.4	6.8	-	-	-	-	-	-	-	-
21-Apr-19	4.1	12.0	8.5	4.4	-	-	-	-	-	-	-	-
22-Apr-19	12.0	16.5	5.8	4.8	-	-	-	-	-	-	-	-
23-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-
24-Apr-19	-	17.3	11.8	9.4	-	-	-	-	-	-	-	-
25-Apr-19	5.2	11.2	8.8	5.8	83.7	28.5	5.2	2.4	2.3	2.6	3.2	45.1
26-Apr-19	13.3	17.1	11.9	11.3	32.2	-	-	-	-	-	-	-
27-Apr-19	8.5	9.5	13.3	6.6	-	-	-	-	-	-	-	-
28-Apr-19	9.3	12.0	4.2	8.7	-	-	-	-	-	-	-	-
29-Apr-19	3.7	7.0	3.9	3.1	-	-	-	-	-	-	-	-
30-Apr-19	6.1	6.3	7.6	5.3	-	-	-	-	-	-	-	-

Note :

- There were two instances where TSS was greater than standard value (80mg/l); surface TSS at site W1 on 11 April 2019 and bottom layer at site W2 on 25 April 2019.
- The distance of site W1, site W2, site W4 and site W11 were near natural turbid areas, and in varieties distance from the dredging activities as follows: W1 is 1.92 km from Dredging activities, W2 is 1.40 km from Dredging activities, W4 is 3.02 km from Dredging activities and W11 is 413 m from Dredging activities. The high turbidity value in those sites were mostly influenced by natural occurring turbid plumes which extend from the shoreline, and due to the rainy season (particularly after rain events). The metrological data (weather) data as shown in table 8

Table 6 Daily Monitoring for TSS results at Surface-layer (1-31 May 2019)

Date	Turbidity (NTU)											
	W12	W1	W3	W5	W2	W4	W6	W7	W8	W9	W10	W11
1-May-19	2.3	35.6	5.3	8.7	40.9	32.2	1.8	1.5	3.3	3.7	3.1	13.2
2-May-19	3.2	41.7	2.6	3.6								
3-May-19	4.8	9.4	4.0	2.7								
4-May-19	3.1	8.7	5.6	3.2								
5-May-19	4.2	14.7	4.1	2.4								
6-May-19	4.1	21.1	3.3	3.6								
7-May-19	2.3	22.7	2.8	3.6								
8-May-19	1.6	4.1	2.9	3.3	15.8	7.8	2.7					12.7
9-May-19	3.5	3.9	2.8	3.9				1.7	1.5	2.7	2.4	
10-May-19	3.8	4.7	5.1	3.8								
11-May-19	2.4	8.4	4.0	1.8								
12-May-19	6.4	20.3	11.3	7.3								
13-May-19	5.5	33.3	10.8	9.1								
14-May-19	5.8	18.5	9.3	8.5								
15-May-19	5.8	16.6	8.7	6.9	22.7	17.4	6.2					
16-May-19	6.5	12.6	7.9	8.1				2.2	4.2	3.6	2.6	31.3
17-May-19	12.3	9.3	8.6	5.1								
18-May-19	5.3	8.4	6.6	6.2								
19-May-19	8.1	9.8	6.5	6.8								
20-May-19	8.1	20.3	12.0	8.6								
21-May-19	6.9	17.5	12.7	9.0								
22-May-19	7.5	0.0	7.8	8.7			10.7	6.9	3.2	3.9	5.6	
23-May-19	7.7	14.5	10.7	10.5	38.2	21.1						31.4
24-May-19	7.1	11.5	9.0	12.0								
25-May-19												
26-May-19	10.9	20.3	19.8	17.4								
27-May-19	9.2	22.9	17.4	13.9								
28-May-19	7.4	9.9	9.6	9.7								
29-May-19												
30-May-19												
31-May-19	6.7	14.9	13.3	13.3								

W12 is a reference site.

>10 and <= 20 mg/L above reference site

> 20 above reference site and < 80 mg/L

>= 80 mg/L

Note :

1. Daily monitoring results for sea water quality (TSS parameter) of June 2019 still in under laboratory process by Contractor.

Table 7 Daily Monitoring for TSS results at Bottom-layer (1-31 May 2019)

Date	Total Suspended Solids (mg/L)											
	W12	W1	W3	W5	W2	W4	W6	W7	W8	W9	W10	W11
1-May-19	3.5	30.7	5.0	5.6	43.3	21.6	2.8	3.3	3.2	3.7	3.7	14.5
2-May-19	3.4	14.7	4.6	4.0								
3-May-19	5.9	8.3	6.2	3.9								
4-May-19	4.1	9.8	3.9	3.6								
5-May-19	2.8	14.9	5.1	3.7								
6-May-19	7.3	12.5	3.9	4.3								
7-May-19	3.3	9.5	3.9	5.2								
8-May-19	2.9	6.8	4.4	4.4	13.9	8.8	4.5					15.7
9-May-19	5.4	4.6	4.2	4.0				2.5	3.1	4.0	4.3	
10-May-19	5.6	7.7	5.8	5.5								
11-May-19	2.8	8.8	5.2	3.4								
12-May-19	9.0	21.7	11.9	7.6								
13-May-19	6.9	31.4	12.3	8.5								
14-May-19	7.6	20.3	9.9	9.3								
15-May-19	6.3	16.8	9.1	10.2	29.7	19.5	8.5					
16-May-19	7.4	15.2	8.7	8.1				2.8	5.2	4.0	4.8	33.3
17-May-19	15.2	10.9	9.5	7.0								
18-May-19	8.3	9.5	7.2	7.2								
19-May-19	9.8	9.1	5.4	5.4								
20-May-19	7.8	17.1	17.6	13.1								
21-May-19	16.5	23.8	16.3	11.8								
22-May-19	9.8		7.5	7.7			13.8	5.8	3.9	5.2	7.4	
23-May-19	8.7	16.2	11.9	10.5	35.0	26.1						39.2
24-May-19	10.5	14.8	11.9	10.7								
25-May-19												
26-May-19	12.6	20.8	21.0	17.4								
27-May-19	10.0	24.3	14.2	15.9								
28-May-19	6.6	10.0	9.4	9.7								
29-May-19												
30-May-19												
31-May-19	7.5	20.8	18.1	12.9								

Note : W12 is a reference site.

Table 8 Weather Data Record in April 2019

Wheather link, Current Station : Patimban connect
10/4/19 00:00 : 3 Day

Date & Time	Temp - °C	Temp - °C	Temp - °C	Hum - %	Point - °C	Bulb - °C	Speed - m/s	Direction	Wind Run - m	Chill - °C	Index - °C	Index - °C	Barometer - hPa	Rain - mm	Rate - mm/h
10/04/2019 00:00	27	28	27	90	25	26	2	SSW	1.8	27	32	32	1000.9	0.0	0.0
10/04/2019 01:00	28	28	27	91	26	26	2	S	1.8	28	33	33	1002.9	0.0	0.0
10/04/2019 02:00	28	28	28	89	26	26	2	SE	1.8	28	34	34	1004.6	0.0	0.0
10/04/2019 03:00	28	28	28	90	27	27	3	SE	2.7	28	35	35	1006.2	0.0	0.0
10/04/2019 04:00	28	28	28	89	26	27	3	ENE	2.7	28	35	35	1007.0	0.0	0.0
10/04/2019 05:00	28	28	28	89	26	27	2	ENE	2.2	28	35	35	1007.6	0.0	0.0
10/04/2019 06:00	28	28	27	89	26	26	3	SE	3.1	28	33	33	1006.6	0.0	0.0
10/04/2019 07:00	28	28	28	90	26	27	4	SE	3.6	28	34	34	1010.5	0.0	0.0
10/04/2019 08:00	29	29	28	89	27	27	3	SE	3.1	29	35	35	1014.0	0.0	0.0
10/04/2019 09:00	29	29	29	86	26	27	3	E	3.1	29	36	36	1014.2	0.0	0.0
10/04/2019 10:00	29	29	29	84	26	27	3	E	2.7	29	36	36	1013.3	0.0	0.0
10/04/2019 11:00	29	29	29	85	27	27	2	E	2.2	29	37	37	1011.8	0.0	0.0
10/04/2019 12:00	30	30	29	82	26	27	3	ENE	2.7	30	38	38	1008.9	0.0	0.0
10/04/2019 13:00	30	30	30	81	27	27	2	NE	2.2	30	39	39	1009.6	0.0	0.0
10/04/2019 14:00	31	31	30	79	27	28	2	NNE	2.2	31	40	40	1009.3	0.0	0.0
10/04/2019 15:00	31	31	31	81	27	28	3	NNE	2.7	31	41	41	1007.6	0.0	0.0
10/04/2019 16:00	31	31	31	79	27	28	3	NNE	2.7	31	40	40	1006.1	0.0	0.0
10/04/2019 17:00	31	31	31	80	27	27	2	N	2.2	31	39	39	1002.3	0.0	0.0
10/04/2019 18:00	30	31	30	83	27	28	2	NW	2.2	30	40	40	1002.0	0.0	0.0
10/04/2019 19:00	30	30	30	78	26	27	2	NNW	2.2	30	38	38	1004.7	0.0	0.0
10/04/2019 20:00	30	30	30	79	26	27	2	NW	2.2	30	38	38	1006.4	0.0	0.0
10/04/2019 21:00	29	30	29	89	27	27	2	WNW	2.2	29	36	36	1005.6	0.0	0.0
10/04/2019 22:00	29	29	29	90	27	27	2	S	1.8	29	36	36	1007.1	0.0	0.0
10/04/2019 23:00	28	29	28	90	26	26	4	SSE	4.5	27	33	32	1007.2	0.0	0.0
11/04/2019 00:00	28	28	27	88	26	26	2	WSW	2.2	28	33	33	1009.0	0.0	0.0
11/04/2019 01:00	28	28	28	88	26	26	1	SW	1.3	28	34	34	1009.1	0.0	0.0
11/04/2019 02:00	28	28	28	88	26	26	3	SE	2.7	28	33	33	1008.9	0.0	0.0
11/04/2019 03:00	28	28	28	89	26	26	3	SSE	2.7	28	33	33	1008.4	0.0	0.0

Wheather link, Current Station : Patimban connect

10/4/19 00:00 : 3 Day

Date & Time	Temp - °C	Temp - °C	Temp - °C	Hum - %	Point - °C	Bulb - °C	Speed - m/s	Direction	Wind Run - m	Chill - °C	Index - °C	Index - °C	Barometer - hPa	Rain - mm	Rate - mm/h
11/04/2019 04:00	27	28	27	90	26	26	3	SSE	3.1	27	32	32	1008.0	0.0	0.0
11/04/2019 05:00	27	27	27	90	25	26	4	SSE	4.0	26	31	30	1007.7	0.0	0.0
11/04/2019 06:00	27	27	27	90	25	26	3	SE	2.7	27	32	32	1008.6	0.0	0.0
11/04/2019 07:00	27	27	26	93	25	26	3	SSE	3.1	27	31	31	1009.5	0.0	0.0
11/04/2019 08:00	27	27	27	90	25	26	3	SSE	3.1	27	32	32	1012.2	0.0	0.0
11/04/2019 09:00	28	28	27	90	26	26	3	S	3.1	28	33	33	1013.7	0.0	0.0
11/04/2019 10:00	28	28	28	84	25	26	3	SSE	2.7	28	34	34	1014.4	0.0	0.0
11/04/2019 11:00	29	29	28	84	26	27	2	SSE	1.8	29	36	36	1012.5	0.0	0.0
11/04/2019 12:00	29	29	29	82	26	27	3	E	2.7	29	37	37	1013.7	0.0	0.0
11/04/2019 13:00	30	30	29	83	27	27	3	ENE	2.7	30	38	38	1008.4	0.0	0.0
11/04/2019 14:00	30	30	30	82	27	27	3	NE	2.7	30	39	39	1009.3	0.0	0.0
11/04/2019 15:00	30	30	30	81	27	27	3	NE	3.1	30	39	39	1005.7	0.0	0.0
11/04/2019 16:00	30	30	30	81	26	27	3	NE	2.7	30	38	38	1003.9	0.0	0.0
11/04/2019 17:00	30	30	30	82	27	27	2	N	2.2	30	38	38	1003.6	0.0	0.0
11/04/2019 18:00	30	30	30	83	27	27	2	N	1.8	30	38	38	1004.5	0.0	0.0
11/04/2019 19:00	30	30	30	81	27	27	1	NE	1.3	30	39	39	1007.1	0.0	0.0
11/04/2019 20:00	29	30	29	86	26	26	3	E	3.1	29	35	35	1007.5	0.0	0.0
11/04/2019 21:00	27	28	27	86	25	25	4	SSE	4.0	27	31	31	1005.9	0.0	0.0
11/04/2019 22:00	26	27	26	87	24	24	3	S	3.1	26	29	29	1006.4	0.0	0.0
11/04/2019 23:00	27	27	26	86	24	25	4	SSE	3.6	26	31	30	1009.5	0.0	0.0
12/04/2019 00:00	27	27	26	88	25	25	4	SSE	4.5	26	31	30	1009.6	0.0	0.0
12/04/2019 01:00	27	27	27	88	25	25	2	SSW	1.8	27	31	31	1008.8	0.0	0.0
12/04/2019 02:00	27	27	26	90	25	25	3	S	2.7	27	30	30	1007.9	0.0	0.0
12/04/2019 03:00	26	27	26	90	25	25	2	SSW	2.2	26	30	30	1007.6	0.0	0.0
12/04/2019 04:00	26	26	26	89	24	25	2	WSW	2.2	26	30	30	1007.8	0.0	0.0
12/04/2019 05:00	26	26	26	91	25	25	2	WSW	2.2	26	30	30	1008.5	0.0	0.0
12/04/2019 06:00	26	27	26	91	25	25	1	SW	1.3	26	30	30	1008.5	0.0	0.0
12/04/2019 07:00	27	27	26	88	25	26	1	SW	1.3	27	32	32	1014.8	0.0	0.0

Wheather link, Current Station : Patimban connect

10/4/19 00:00 : 3 Day

Date & Time	Temp - °C	Temp - °C	Temp - °C	Hum - %	Point - °C	Bulb - °C	Speed - m/s	Direction	Wind Run - m	Chill - °C	Index - °C	Index - °C	Barometer - hPa	Rain - mm	Rate - mm/h
12/04/2019 08:00	29	29	27	80	25	26	1	SSW	0.9	29	36	36	1013.3	0.0	0.0
12/04/2019 09:00	31	31	29	77	26	27	1	SSW	0.9	31	39	39	1012.4	0.0	0.0
12/04/2019 10:00	30	31	30	81	26	27	2	NE	1.8	30	37	37	1010.0	0.0	0.0
12/04/2019 11:00	30	30	30	82	26	27	2	ENE	1.8	30	38	38	1011.4	0.0	0.0
12/04/2019 12:00	30	30	30	78	26	27	2	NE	2.2	30	38	38	1007.9	0.0	0.0
12/04/2019 13:00	31	31	30	76	26	27	2	NE	2.2	31	39	39	1007.6	0.0	0.0
12/04/2019 14:00	31	31	31	68	25	26	3	NE	3.1	31	38	38	1008.0	0.0	0.0
12/04/2019 15:00	31	31	31	76	26	27	3	NNE	3.1	31	40	40	1007.0	0.0	0.0
12/04/2019 16:00	31	31	31	77	26	27	3	NNE	3.1	31	40	40	1005.7	0.0	0.0
12/04/2019 17:00	31	31	31	76	26	27	4	N	3.6	31	40	40	1005.4	0.0	0.0
12/04/2019 18:00	31	31	31	77	26	27	3	NNW	2.7	31	39	39	1005.2	0.0	0.0
12/04/2019 19:00	31	31	31	76	26	27	3	NW	3.1	31	39	39	1007.2	0.0	0.0
12/04/2019 20:00	28	31	27	87	25	26	3	SSW	3.1	28	32	32	1005.5	0.0	0.0
12/04/2019 21:00	27	28	27	88	25	25	4	SSW	3.6	26	31	30	1007.8	0.0	0.0
12/04/2019 22:00	27	27	27	88	25	25	3	S	2.7	27	31	31	1009.9	0.0	0.0
12/04/2019 23:00	28	28	27	87	25	26	3	S	2.7	28	33	33	1011.8	0.0	0.0
13/04/2019 00:00	28	28	28	85	25	26	3	S	3.1	28	33	33	1011.5	0.0	0.0

Wheatherlink , Current station : Patimban Connect

24/4/19 00:00 : 3 Day

Date & Time	Temp - °C	Hum - %	Dew Point - °C	Wet Bulb - °C	Wind Speed - m/s	Wind Direction	Wind Run - m	Wind Chill - °C	Heat Index - °C	THW Index - °C	Barometer - hPa	Rain - mm	Rain Rate - mm/h
24/04/2019 00:00	28	84	25	25	3	NW	3.1	28	32	32	1008.2	1.0	10.6
24/04/2019 01:00	28	89	26	26	3	NW	2.7	28	34	34	1009.9	0.2	0.0
24/04/2019 02:00	27	93	26	26	4	NNW	4.0	26	32	31	1008.0	4.0	30.0
24/04/2019 03:00	28	89	26	26	1	NE	0.9	28	33	33	1008.4	0.2	13.8
24/04/2019 04:00	27	90	25	26	2	WSW	1.8	27	32	32	1008.2	0.0	0.0
24/04/2019 05:00	27	91	25	26	2	WSW	1.8	27	32	32	1008.7	1.6	29.5
24/04/2019 06:00	27	90	25	26	5	NE	5.4	26	31	30	1008.6	0.6	6.0
24/04/2019 07:00	27	91	26	26	1	NW	0.9	27	32	32	1010.1	0.0	0.0
24/04/2019 08:00	27	93	26	26	2	S	1.8	27	32	32	1011.0	0.0	0.0
24/04/2019 09:00	27	92	26	26	2	S	2.2	27	32	32	1011.4	0.0	0.0
24/04/2019 10:00	28	92	26	26	2	S	1.8	28	33	33	1013.1	0.0	0.0
24/04/2019 11:00	28	90	26	27	1	SSW	0.9	28	34	34	1012.3	0.0	0.0
24/04/2019 12:00	28	88	26	27	1	W	0.9	28	35	35	1010.7	0.0	0.0
24/04/2019 13:00	29	87	26	27	1	WNW	1.3	29	36	36	1012.5	0.0	0.0
24/04/2019 14:00	29	85	26	27	2	NW	1.8	29	36	36	1009.6	0.0	0.0
24/04/2019 15:00	28	89	26	27	4	NW	3.6	28	35	35	1006.0	0.0	0.0
24/04/2019 16:00	28	88	26	26	4	NNW	4.0	28	34	33	1006.5	0.0	0.0
24/04/2019 17:00	28	88	26	26	5	NNE	4.9	27	34	33	1007.2	0.0	0.0
24/04/2019 18:00	28	87	26	26	3	NE	3.1	28	34	34	1007.7	0.0	0.0
24/04/2019 19:00	28	88	26	27	2	NE	2.2	28	35	35	1009.2	0.0	0.0
24/04/2019 20:00	29	87	26	27	3	ESE	3.1	29	35	35	1010.3	0.0	0.0
24/04/2019 21:00	27	92	25	26	3	S	2.7	27	31	31	1008.0	0.0	0.0
24/04/2019 22:00	27	93	26	26	3	S	3.1	27	32	32	1009.5	0.0	0.0
24/04/2019 23:00	27	93	26	26	4	SSE	3.6	26	32	31	1009.8	0.0	0.0
25/04/2019 00:00	27	91	26	26	4	SE	3.6	27	32	32	1010.3	0.0	0.0
25/04/2019 01:00	27	92	25	26	2	SSE	1.8	27	31	31	1009.3	0.0	0.0

Wheatherlink , Current station : Patimban Connect

24/4/19 00:00 : 3 Day

Date & Time	Temp - °C	Hum - %	Dew Point - °C	Wet Bulb - °C	Wind Speed - m/s	Wind Direction	Wind Run - m	Wind Chill - °C	Heat Index - °C	THW Index - °C	Barometer - hPa	Rain - mm	Rain Rate - mm/h
25/04/2019 02:00	27	93	26	26	2	SE	1.8	27	31	31	1008.7	0.0	0.0
25/04/2019 03:00	27	93	25	26	2	S	1.8	27	31	31	1008.7	0.0	0.0
25/04/2019 04:00	26	94	25	25	2	S	2.2	26	30	30	1007.8	0.2	0.0
25/04/2019 05:00	26	94	25	25	2	SSW	1.8	26	29	29	1007.8	0.0	0.0
25/04/2019 06:00	26	92	24	25	2	SSW	2.2	26	29	29	1008.2	0.0	0.0
25/04/2019 07:00	27	89	25	25	2	SW	1.8	27	30	30	1011.7	0.0	0.0
25/04/2019 08:00	28	83	25	26	1	SSW	1.3	28	34	34	1009.8	0.0	0.0
25/04/2019 09:00	29	81	25	26	2	SSE	2.2	29	35	35	1008.8	0.0	0.0
25/04/2019 10:00	30	80	26	27	4	ESE	3.6	29	37	37	1009.2	0.0	0.0
25/04/2019 11:00	30	78	26	27	3	NE	3.1	30	37	37	1007.2	0.0	0.0
25/04/2019 12:00	29	84	26	27	4	NE	4.5	29	37	36	1003.5	0.0	0.0
25/04/2019 13:00	29	83	26	27	4	NE	4.0	29	37	37	1005.2	0.0	0.0
25/04/2019 14:00	30	83	27	27	5	NE	4.9	29	38	37	1007.1	0.0	0.0
25/04/2019 15:00	30	83	27	27	5	NE	4.9	29	38	38	1007.5	0.0	0.0
25/04/2019 16:00	30	82	27	27	5	NE	4.9	29	38	38	1006.6	0.0	0.0
25/04/2019 17:00	30	81	27	27	5	NE	5.4	30	39	38	1005.7	0.0	0.0
25/04/2019 18:00	30	81	26	27	6	NE	5.8	29	38	37	1005.1	0.0	0.0
25/04/2019 19:00	30	84	27	28	6	NE	6.3	29	39	38	1007.0	0.0	0.0
25/04/2019 20:00	30	85	27	28	5	NE	4.9	29	39	39	1008.3	0.0	0.0
25/04/2019 21:00	30	84	27	28	4	ENE	4.0	30	39	39	1009.5	0.0	0.0
25/04/2019 22:00	29	87	26	27	4	SE	4.0	28	35	35	1008.2	0.0	0.0
25/04/2019 23:00	28	90	26	26	4	SE	4.5	27	34	33	1006.5	0.0	0.0
26/04/2019 00:00	28	87	25	26	3	SSE	2.7	28	33	33	1008.8	0.0	0.0
26/04/2019 01:00	28	85	25	25	3	SSE	2.7	28	32	32	1006.4	0.0	0.0
26/04/2019 02:00	27	88	25	26	2	SSE	2.2	27	32	32	1007.8	0.0	0.0
26/04/2019 03:00	27	86	24	25	2	S	2.2	27	31	31	1007.5	0.0	0.0
26/04/2019 04:00	27	87	24	25	2	S	1.8	27	31	31	1007.2	0.0	0.0

Wheatherlink , Current station : Patimban Connect

24/4/19 00:00 - 3 Day

Date & Time	Temp - °C	Hum - %	Dew Point - °C	Wet Bulb - °C	Wind Speed - m/s	Wind Direction	Wind Run - m	Wind Chill - °C	Heat Index - °C	THW Index - °C	Barometer - hPa	Rain - mm	Rain Rate - mm/h
26/04/2019 05:00	27	85	24	25	2	SE	1.8	27	31	31	1007.6	0.0	0.0
26/04/2019 06:00	26	88	24	25	2	SE	2.2	26	30	30	1007.1	0.0	0.0
26/04/2019 07:00	27	87	25	25	1	SSW	1.3	27	31	31	1011.2	0.0	0.0
26/04/2019 08:00	28	82	25	25	3	S	2.7	28	33	33	1008.9	0.0	0.0
26/04/2019 09:00	29	81	26	27	3	SSE	2.7	29	36	36	1011.7	0.0	0.0
26/04/2019 10:00	31	76	27	27	2	SSE	1.8	31	40	40	1011.7	0.0	0.0
26/04/2019 11:00	31	75	26	27	1	ENE	0.9	31	40	40	1008.9	0.0	0.0
26/04/2019 12:00	31	79	27	28	2	NNE	1.8	31	40	40	1003.9	0.0	0.0
26/04/2019 13:00	31	81	27	28	2	NNE	2.2	31	41	41	1005.1	0.0	0.0
26/04/2019 14:00	31	80	27	28	3	NNE	3.1	31	40	40	1003.8	0.0	0.0
26/04/2019 15:00	31	82	27	28	4	NNE	4.0	30	40	40	1004.9	0.0	0.0
26/04/2019 16:00	30	84	27	28	4	NNE	4.0	30	40	39	1004.2	0.0	0.0
26/04/2019 17:00	30	84	27	28	4	NNE	4.5	30	39	38	1003.3	0.0	0.0
26/04/2019 18:00	30	85	27	28	4	NNE	3.6	30	39	38	1003.9	0.0	0.0
26/04/2019 19:00	30	85	27	28	3	N	2.7	30	39	39	1005.8	0.0	0.0
26/04/2019 20:00	30	84	27	28	2	N	1.8	30	39	39	1008.3	0.0	0.0
26/04/2019 21:00	27	91	25	26	4	SW	3.6	26	31	31	1005.5	0.0	0.0
26/04/2019 22:00	26	92	24	25	4	SSW	4.5	25	29	28	1006.7	3.6	33.8
26/04/2019 23:00	26	92	25	25	3	S	2.7	26	30	30	1009.1	7.2	36.8
27/04/2019 00:00	26	94	25	25	3	SSW	2.7	26	30	30	1009.4	0.8	3.4

Table 9. Air Quality Laboratory Results

REPORT OF ANALYSIS

No.: 313/B/LHU/MB/IV/2019

Customer Name : **SHIMIZU-PP-BCK JOINT VENTURE**
Address : Access Road Work Under Patimban Port Development Project (I)
Type of sample (s) : Ambient
No. Sample : 586/MB-KU/I/2019
Date of Sampling : 1 – 2 April 2019
Date of Analysis : 4 – 18 April 2019
Coordinate Point : S: 06°16'52.49" E: 107°51'50.33"

No	PARAMETERS	MEASUREMENT TIME	REGULATION	TEST RESULT	METHOD SPESIFICATION
				STA 0+000	
1.	Sulfur Dioxide (SO_2)	24 Hour	365 µg/Nm³ [1])	<0.7581 µg/Nm³	SNI 7119.7:2017
2.	Carbon Monoxide (CO)	24 Hour	10000 µg/Nm³ [1])	3448.0 µg/Nm³	IKM/7.2.6/MB (Electro Chemical Sensor)
3.	Nitrogen Dioxide (NO_2)	24 Hour	150 µg/Nm³ [1])	12.0 µg/Nm³	SNI 7119.2:2017
4.	PM 10 (Particle < 10 µm)	24 Hour	150 µg/Nm³ [1])	23.8 µg/Nm³	SNI 7119.15:2016
5.	Dust (TSP)	24 Hour	230 µg/Nm³ [1])	29.5 µg/Nm³	SNI 7119.3:2017
	Temperature	-	-	31°C	Direct Reading
	Relative Humidity			45%	
	Wind Velocity			0.09 – 1.19 m/det	
	Wind Direction Dominant			West	

[1]) Indonesian Government Regulation No. 41 Year 1999 on Air Pollution Control
"<" Shows The Smallest Value Of The Measurement Obtained by The Method Used

Jakarta, 18 April 2019
PT. Mitralab Buana

REPORT OF ANALYSIS

No.: 313/B/LHU/MB/IV/2019

Customer Name : **SHIMIZU-PP-BCK JOINT VENTURE**
Address : Access Road Work Under Patimban Port Development Project (I)
Type of sample (s) : Ambient
No. Sample : 586/MB-KU/I/2019
Date of Sampling : 1 – 2 April 2019
Date of Analysis : 4 – 18 April 2019
Coordinate Point : S: 06°15'44.08" E: 107°52'38.08"

No	PARAMETERS	MEASUREMENT TIME	REGULATION	TEST RESULT	METHOD SPESIFICATION
				STA 2+700	
1.	Sulfur Dioxide (SO_2)	24 Hour	365 µg/Nm³ [1])	11.6 µg/Nm³	SNI 7119.7:2017
2.	Carbon Monoxide (CO)	24 Hour	10000 µg/Nm³ [1])	1169.7 µg/Nm³	IKM/7.2.6/MB (Electro Chemical Sensor)
3.	Nitrogen Dioxide (NO_2)	24 Hour	150 µg/Nm³ [1])	8.30 µg/Nm³	SNI 7119.2:2017
4.	PM 10 (Particle < 10 µm)	24 Hour	150 µg/Nm³ [1])	23.9 µg/Nm³	SNI 7119.15:2016
5.	Dust (TSP)	24 Hour	230 µg/Nm³ [1])	20.9 µg/Nm³	SNI 7119.3:2017
	Temperature	-	-	33°C	Direct Reading
	Relative Humidity			61%	
	Wind Velocity			0.16 – 1.56 m/det	
	Wind Direction Dominant			East	

[1]) Indonesian Government Regulation No. 41 Year 1999 on Air Pollution Control
"<" Shows The Smallest Value Of The Measurement Obtained by The Method Used

Jakarta, 18 April 2019
PT. Mitralab Buana

Yulia Ermawati, S.Si
Laboratory Manager

REPORT OF ANALYSIS

No.: 313/B/LHU/MB/IV/2019

Customer Name : **SHIMIZU-PP-BCK JOINT VENTURE**
Address : Access Road Work Under Patimban Port Development Project (I)
Type of sample (s) : Ambient
No. Sample : 586/MB-KU/I/2019
Date of Sampling : 1 – 2 April 2019
Date of Analysis : 4 – 18 April 2019
Coordinate Point : S: 06°14'25.08" E: 107°53'43.07"

No	PARAMETERS	MEASUREMENT TIME	REGULATION	TEST RESULT	METHOD SPESIFICATION
				STA 7+000	
1.	Sulfur Dioxide (SO_2)	24 Hour	365 µg/Nm³ [1])	<0.7581 µg/Nm³	SNI 7119.7:2017
2.	Carbon Monoxide (CO)	24 Hour	10000 µg/Nm³ [1])	937.3 µg/Nm³	IKM/7.2.6/MB (Electro Chemical Sensor)
3.	Nitrogen Dioxide (NO_2)	24 Hour	150 µg/Nm³ [1])	<0.3603 µg/Nm³	SNI 7119.2:2017
4.	PM $_{10}$ (Particle < 10 µm)	24 Hour	150 µg/Nm³ [1])	21.0 µg/Nm³	SNI 7119.15:2016
5.	Dust (TSP)	24 Hour	230 µg/Nm³ [1])	17.7 µg/Nm³	SNI 7119.3:2017
	Temperature	-	-	31°C	Direct Reading
	Relative Humidity			44%	
	Wind Velocity			0.04 – 1.19 m/det	
	Wind Direction Dominant			West	

[1]) Indonesian Government Regulation No. 41 Year 1999 on Air Pollution Control
"<" Shows The Smallest Value Of The Measurement Obtained by The Method Used

Jakarta, 18 April 2019
PT. Mitra Abadi Bhakti

PT. MITRA ABADI BHAKTI

Ayu Ema Emawati, S.Si
Laboratory Manager

Table 9. Noise Measurement Result

REPORT OF ANALYSIS

No.: 313/B/LHU/MB/iV/2019

Customer Name : SHIMIZU-PP-BCK JOINT VENTURE
Address : Access Road Work Under Patimban Port Development Project (I)
Type of sample (s) : Ambient Noise Level
No. Sample : 586/MB-KU/I/2019
Date of Sampling : 1 – 2 April 2019
Date of Analysis : 4 – 18 April 2019
Methode Spesification : SNI 8427:2017

No	LOCATION	MEASUREMENT TIME	TEST RESULT	RAW OF NOISE *)		
1.	STA 0+000	24 Hour	85.4 dBA	A. Area Designation		
				1. Housing and Settlements	:	55 dBA
				2.Trade and Service	:	70 dBA
				3.Office and Trade	:	65 dBA
				4.Green Open Room	:	50 dBA
2.	STA 2+700	24 Hour	53.8 dBA	5.Industry	:	70 dBA
				6.Government and Public Facilities	:	60 dBA
				7.Recreation	:	70 dBA
				8.Special : a. Seaports	:	70 dBA
				b. Cultural Heritage	:	60 dBA
3.	STA 7+000	24 Hour	61.8 dBA	B. Activity Environment		
				1.Hospital or the like	:	55 dBA
				2.School or the like	:	55 dBA
				3.Place of worship or the like	:	55 dBA

*) Decree of the State Minister of Environment Number Kep-48 / MENLH / 11/1996

Jakarta, 18 April 2019
PT. Mitra Lab Buana

Yulia Ermawati, S.Si
Laboratory Manager

Note : The data Noise result is shown on table 9
Refer to the EIA Document regarding Noise standard value, it is used 70 dB(A) as max noise limit for the project activities.

Only STA 0 is above the standard, this station is located along the Pantura, so this may not derive from the construction activities.

Table 10. Baseline of Lead (Pb) in Sediment Comparing with Standards

Sampling point		Standard			Lead (Pb) Analysis Results	
		1 (mg/kg) (reference)	2 (mg/kg) (reference)	3 (mg/kg) (Applied)	Baseline (Pre-Construction stage*) (mg/kg)	Construction stage (mg/kg)
S1	Around of Dredging activity area	50.0	30.2	112	61.2	The sediment analysis does not conducted yet
S2					51.4	
S3					53.7	
S4					78.7	
S5					59.1	
S6					61.7	
S11					58.4	
S12					55.2	
S7	Around of Dumping Activity Area				92.4	
S8					107	
S9					51.2	
S10					49.2	

* Data source on August, 2018

1. National Assessment Guidelines for Dredging 2009. Australian Government. Screening Level (Reference Value)
2. Canadian Sediment Quality Guidelines (SQG) for the Protection of Aquatic Life (Canadian Council of Minister of the Environment/ CCME). ISQG: Interim marine sediment quality guideline, (Reference Value)
3. Canadian Sediment Quality Guidelines (SQG) for the Protection of Aquatic Life (Canadian Council of Minister of the Environment/ CCME) PEL: Probable Effect Level. (Applied Standard Value)

3. Details on Social Environment

Progress of Compensation Payment and Land Vacation

Village Items	Patimban	Gempol	Kalentambo	Kotasari	Pusakajaya	Pusakaratu	Total Plot	Total area (Ha)
Land Plot Target for Access Road *(based on planning report)*	-	71	32	27	9	25	164	15.79
Land Plot Target for Back up area *(based on planning report)*	522	-	-	-	-	-	522	356.23
Land Plot Realization for Access Road (*from KJPP valuation)*	-	75	24	19	1	26	145	15.3
Land Plot Realization for Back Up Area *from KJPP valuation*	486	-	-	-	-	-	486	354.43
Land of Access road with completion of payment							115	11.13
Land of Back up area with completion of payment							168	106.31

Number of Local worker Terminal Construction

No	Location (Village)	Monitoring Period				Total
		2019				
		Feb	Mar	Apr	May	
1	Patimban	61	69	69	58	**255**
2	Gempol	8	12	12	12	**35**
3	Kalentambo	5	6	6	6	**19**
4	Kotasari	5	6	6	6	**17**
5	Pusakaratu	1	1	1	1	**12**
6	Pusakaraya	1	1	1	1	**3**
TOTAL		**81**	**95**	**95**	**84**	**341**

Number of local Workers for Acccess Road

No	Location (Village)	Monitoring Period			Total
		2019			
		Feb	Mar	Apr	
1	Patimban	-	7	12	**19**
2	Gempol	20	19	43	**118**
3	Kalentambo	15	18	24	**80**
4	Kotasari	32	63	55	**199**
5	Pusakaratu	34	48	62	**187**
6	Pusakajaya	5	12	13	**30**
TOTAL		**106**	**167**	**209**	**633**

Land Traffic Condition and Accident Number

No	Location	Monitoring Period								Total	
		Feb 2019		Mar 2019		Apr 2019		May 2019			
		TJ	AN	TJ	AN	TJ	AN	TJ	AN	TJ	AN
1	Pantura road	0	*	0	*	0	*	0	*	0	*
2	Patimban seaport access road	0	*	0	*	0	*	0	*	0	*
3	Crossing of Pantura road	0	*	0	*	0	*	0	*	0	*
4	Crossing of Patimban seaport access road	0	*	0	*	0	*	0	*	0	*

Note:
TJ : Traffic Jam AN : Accident Number (*): No Record

Sea Traffic Condition and Identifying Accident Number

No	Location	Monitoring period				Total
		Feb-19	Mar-19	Apr-19	May-19	
1	Pilling barge	2	2	2	2	**12**
2	Anchor boat	3	3	3	3	**17**
3	CDM Vessel	4	4	4	4	**23**
4	Semi-submersible vessel	1	1	-	-	**4**
5	Pneumatic conveying barge	1	1	1	1	**6**
6	Cement supply vessel	1	1	1	1	**6**
7	Improved soil placing barge	1	2	1	1	**7**
8	Cement transportation vessel	2	4	2	2	**14**
9	Cement feeder carrier	2	4	4	4	**18**
10	Grab dredger	5	5	4	4	**25**
11	Hopper barge	5	2	5	6	**27**
12	SP Hopper Barge	2	3	2	2	**11**
13	Flat barge	1	2	3	6	**15**
14	Crane barge	2	13	2	2	**23**
15	Tug boat	13	7	13	18	**69**
16	Crew boat	8	2	7	7	**34**
17	Work boat	2	1	2	3	**12**
18	Excavator Barge	-	1	1	1	**1**
19	Fracturing Barge	-	1	1	1	**1**
Total		**55**	**59**	**58**	**68**	**325**

Sea Traffic Condition and Accident Number

No	Location	Monitoring period								Total	
		Feb 2019		Mar 2019		Apr 2019		May 2019			
		STC	AN	STC	AN	STC	AN	STC	AN	STC	AN
1	Patimban Beach	Smooth	0	Smooth	0	Smooth	0	Smooth	0	Smooth	0

Note:
STC : Sea traffic condition AN : Accident Number

Public Unrest

No	Location	Monitoring Period												Total		
		Feb 2019			Mar 2019			April 2019			May 2019					
		PUN	PRO	DEM	PUN	PRO	DEM	PUN	PRO	DEM	PUN	PRO	DEM	PUN	PRO	DEM
1	Around Patimban port development project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:
PUN : Pucblic Unrest PRO : Protest DEM : Demonstration

Record of Livelihood Restoration Program (LRP)

Implementation date	Program name	Number of participants
14 - 16 March	Basic Safety Training	239
22 April - 1 May	TKBM (Tenaga Kerja Bongkar Muat)	30
22 April - 3 May	Forklift Training	25
7 – 17 May	Forklift Training	25
11 -13 May	Rampus Net Assembling	44
24 - 26 May	Rampus Net Assembling	44
Total		407

Record of Funds

Land Acquisition

Allocated funds			Record of disbursement		
Amount (Rp.)	Allocated organization	Purpose of use	Date	Amount (Rp.)	Disbursement to
15.021.246.277	LMAN but need to update the data and value re-calculate (Reviewed by BPKP and validate)	Scheduled to be paid to 10 plot owner as much as 6.03 Ha	Scheduled (last update on 03rd July 2019)	-	10 plot owner
34.408.525.024	LMAN	Ready to paid to 24 plot owner	Scheduled (last update on 03rd July 2019)	22.021.895.814	10 plot owners about 6.69 Ha
117.408.341.201	LMAN	Payment for 86 plot owner as much as 47.7 Ha	Scheduled (last update on 03rd July 2019)	-	Plot owner refused to compensation value and to be consignment
51.458.265..191	DGST	Payment for other property land as much as 46.1 Ha	Scheduled (last update on 03rd July 2019)	-	Need other formal term, ministry statement regarding the abolition of PT Laksana Dinamika land business property
563.279.683.434	LMAN	acquisition compensation of payment as much as 46.7 Ha for	Scheduled (last update on 03rd July 2019)	-	Not yet validate, not yet reviewed by BPKP

Allocated funds			Record of disbursement		
Amount (Rp.)	Allocated organization	Purpose of use	Date	Amount (Rp.)	Disbursement to
		131 plot owner			
255.110.898.578	LMAN	acquisition compensation of payment as much as 106.3 Ha for 168 plot owner	Done (last update on 03rd July 2019)	255.110.898.578	168 plot owner
655.167.719.926	LMAN	acquisition compensation of payment as much as 264.7 Ha for 422 plot owner	Done (last update on 03rd July 2019)	255.110.898.578	168 plot owner

Livelihood Restoration Program (LRP)

Allocated funds			Record of disbursement		
Amount (Rp.)	Allocated organization	Purpose of use	Date	Amount (Rp.)	Disbursement for
12,666,748,050	DGST to Consultant PKG-8	LRP implementation	March 2019	431,025,000	BST training
				60,300,000	Experts
				160,110,050	Non personnel
			April 2019	179,200,000	TKBM (Tenaga Kerja Bongkar Muat)
				167,920,000	Forklift training-1
				60,300,000	Experts
				70,227,400	Non personnel
			May 2019	156,920,000	Forklift training-2
				180,061,550	Rampus net training-1
				60,300,000	Experts
				68,844,121	Non personnel
			Total	1,595,208,121	-

Grievance Redress

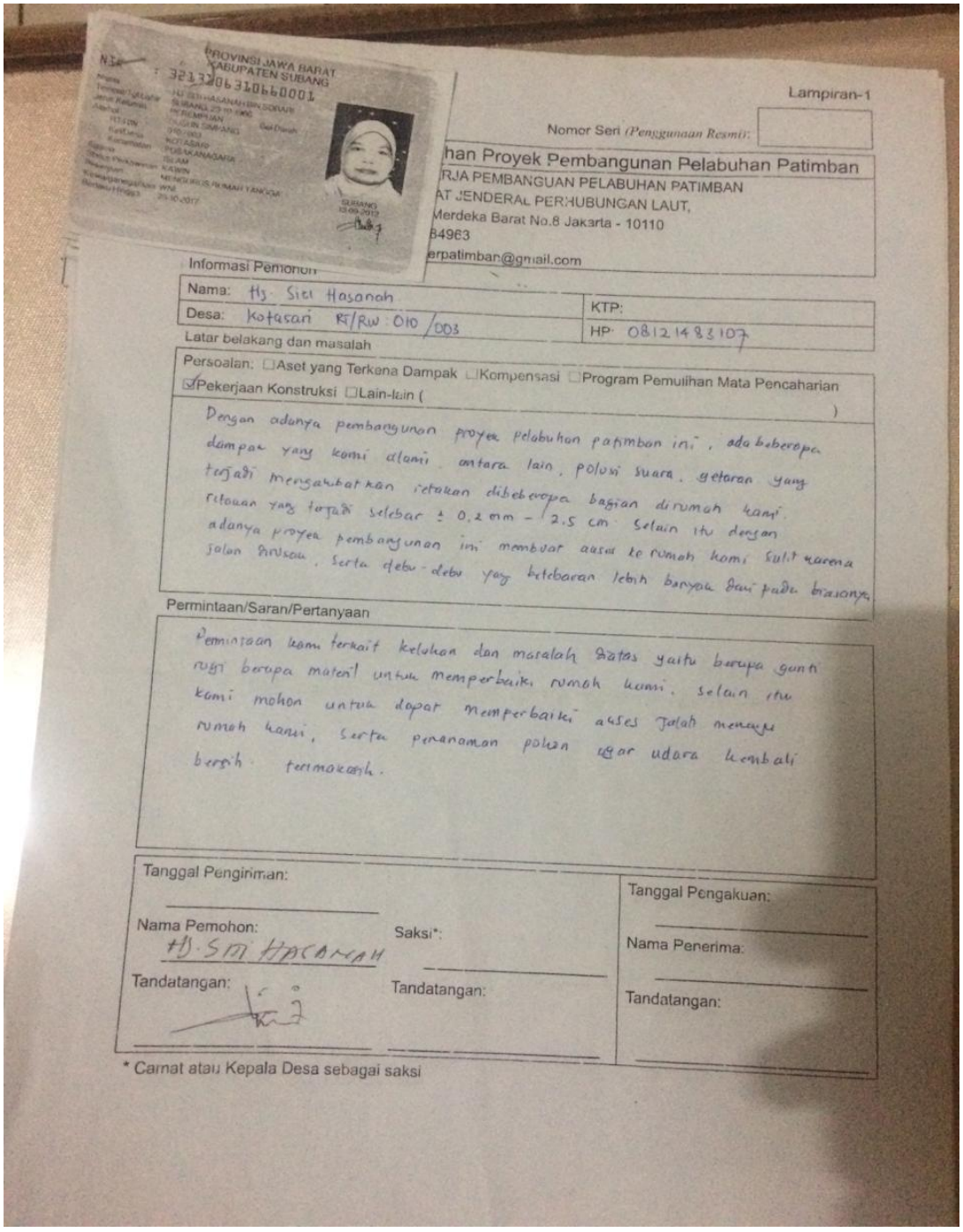
Date of grievance received	Dated of grievance resolved	Solution/unresolved issues	Note (if any)
03-10-2018	01-12-2018	Regarding the houses being cracked due to installation of piles on access road development. In December 1st 2018, the contractor holds up meeting with some parties consist of; complainants representatives, local	-

Date of grievance received	Dated of grievance resolved	Solution/unresolved issues	Note (if any)
		government (village head), Ministry of Public Works and Public Housing (Pekerjaan Umum dan Perumahan Rakyat / PUPR) representatives as supervisor and contractor. The agenda of the meeting is to accommodate the requisition. The resolution made; 1. The contractor will pay compensation for temporary relocate while the houses repaired; 2. All the activity will stop for a while until the compensation term and condition accept by the residents 3. Contractor, resident representatives, and PUPR sign the agreement as acknowledgement. Then, in December 14th the compensation paid to 15 household affected by the pilling installation.	

Implementation Problems and Solutions (if any)

Record of problems		Record of solutions	
Date	Problems	Date	Solutions

Form of complaint from the public regarding road access.



PROVINSI JAWA BARAT
KABUPATEN SUBANG
3213064310660001

Lampiran-1

Nomor Seri *(Penggunaan Resmi)*:

han Proyek Pembangunan Pelabuhan Patimban
RJA PEMBANGUAN PELABUHAN PATIMBAN
AT JENDERAL PERHUBUNGAN LAUT,
Merdeka Barat No.8 Jakarta - 10110
84963
erpatimban@gmail.com

Informasi Pemohon

Nama: Hj. Siti Hasanah	KTP:
Desa: Kotasari RT/RW: 010 / 003	HP: 081214831074

Latar belakang dan masalah

Persoalan: ☐Aset yang Terkena Dampak ☐Kompensasi ☐Program Pemulihan Mata Pencaharian
☑Pekerjaan Konstruksi ☐Lain-lain ( )

Dengan adanya pembangunan proyek pelabuhan patimban ini, ada beberapa dampak yang kami alami antara lain, polusi suara, getaran yang terjadi mengakibatkan retakan dibeberapa bagian dirumah kami. retakan yang terjadi selebar ± 0,2 cm - 2,5 cm. Selain itu dengan adanya proyek pembangunan ini membuat akses ke rumah kami sulit karena jalan ditutup, serta debu-debu yang betebaran lebih banyak dari pada biasanya.

Permintaan/Saran/Pertanyaan

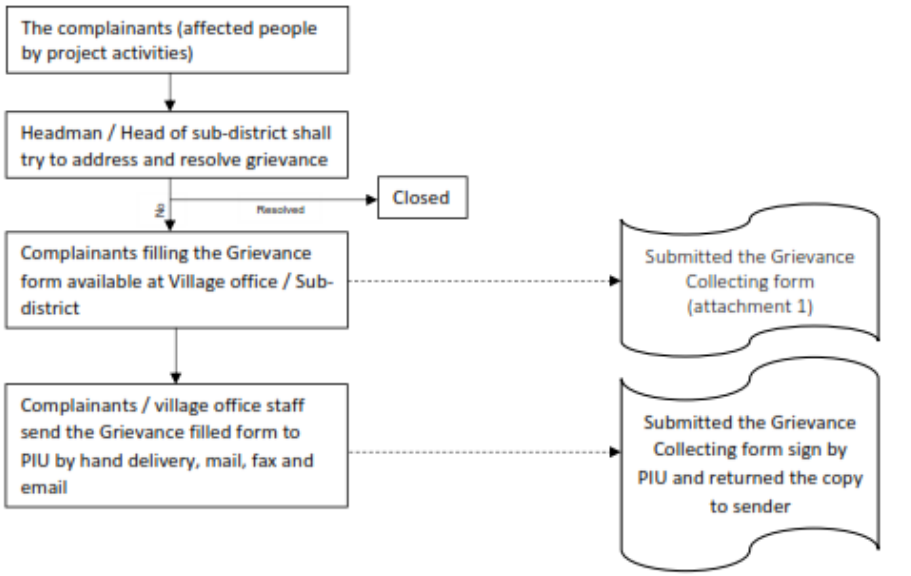
Permintaan kami terkait keluhan dan masalah diatas yaitu berupa ganti rugi berupa materil untuk memperbaiki rumah kami. selain itu kami mohon untuk dapat memperbaiki akses jalan menuju rumah kami, serta penanaman pohon agar udara kembali bersih. terimakasih.

Tanggal Pengiriman:	Tanggal Pengakuan:
Nama Pemohon: Hj. SITI HASANAH	Saksi*:
Tandatangan:	Tandatangan:
	Nama Penerima:
	Tandatangan:

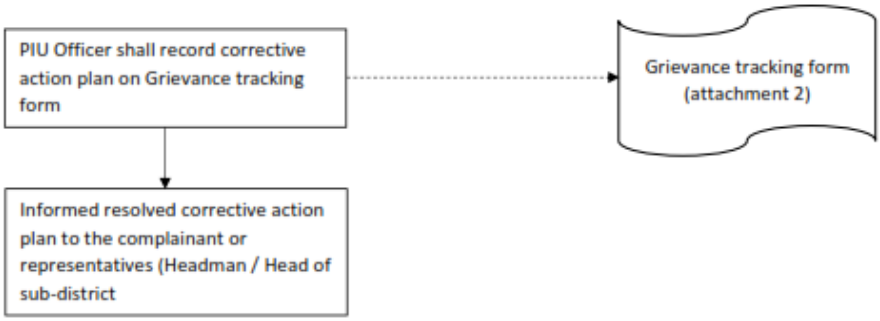
* Camat atau Kepala Desa sebagai saksi

Grievance Redress Procedure for Patimban Port Development Project

Grievance submission by complainants



Complaint Handling Record



Corrective Action Publication

Lampiran-1

Nomor Seri *(Penggunaan Resmi)*:

Formulir Pengumpulan Keluhan Proyek Pembangunan Pelabuhan Patimban

SATUAN KERJA PEMBANGUAN PELABUHAN PATIMBAN
DIREKTORAT JENDERAL PERHUBUNGAN LAUT,
JL. Medan Merdeka Barat No.8 Jakarta - 10110
FAX: 021 384963
Email : pelayananpatimban@yahoo.com

Informasi Pemohon

Nama:	KTP:
Desa:	HP:

Latar belakang dan masalah

Persoalan: ☐Aset yang Terkena Dampak ☐Kompensasi ☐Program Pemulihan Mata Pencaharian ☐Pekerjaan Konstruksi ☐Lain-lain ( )

Permintaan/Saran/Pertanyaan

Tanggal Pengiriman:		Tanggal Pengakuan:
Nama Pemohon:	Saksi*:	Nama Penerima:
Tandatangan:	Tandatangan:	Tandatangan:

* Camat atau Kepala Desa sebagai saksi

Lampiran-2

	Formulir Pelacakan Pengaduan Proyek Pembangunan Pelabuhan Patimban	Nomor Seri:

Informasi Keluhan

Nama Pengadu:	Desa:
Ringkasan Pengaduan:	

Catatan Penanganan Pengaduan

Hari	Tindakan yang diambil untuk menyelesaikan keluhan (investigasi dll)	Hasil /tindakan lebih lanjut yang harus dilakukan	Orang yang bertanggung-jawab
	Menerima Keluhan melalui _____		

Solusi akhir

Tanggal	Solusi	Laporan Keluhan	Publikasi dan Solusi	Orang yang bertanggung-jawab
		Tanggal Laporan:_____ Metode: ☐ Bicara langsung ☐Melalui kepala desa / camat ☐Lain-lain ( )	Tanggal Publikasi:_____ Metode: ☐Papan Desa ☐Others ( )	

Lampiran-3

Nomor Seri:

Hasil Publikasi Penanganan Keluhan untuk Proyek Pembangunan Pelabuhan Patimban

SATUAN KERJA PEMBANGUAN PELABUHAN PATIMBAN
DIREKTORAT JENDERAL PERHUBUNGAN LAUT,
JL. Medan Merdeka Barat No.8 Jakarta - 10110
FAX: 021 384963
Email: pelayananpatimban@yahoo.com

Informasi Pemohoon

Nama:	Desa:
Tanggal Pengajuan:	

Ringkasan Keluhan

Respon/Solusi/Hasil Investigasi

Tanggal Publikasi:

Nama Orang yang Bertanggung-Jawab:

Tandatangan: