Environmental Impact Prevention and Mitigation Measures

Environmental Impact Monitoring Measures

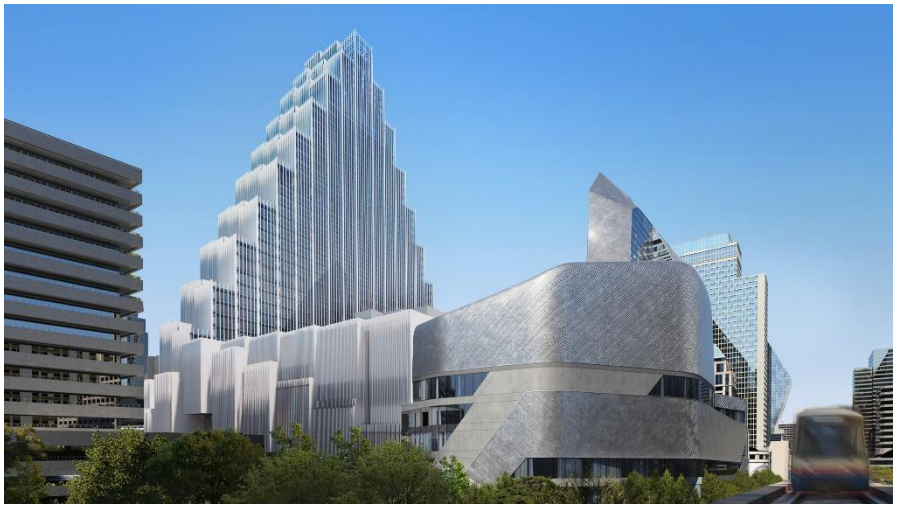
CENTRAL EMBASSY PROJECT (EXTENSION)

Located on Ploenchit Road, Lumphini, Pathumwan, Bangkok 10330

Project Developer: Central and Hongkong Land Co., Ltd. and

Tiang Chirathivat Real Estate Co., Ltd.

must be strictly adhered to



March 2026

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Table 1 General Measures

CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.

Located on Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures
1. General Measures	1. **CENTRAL EMBASSY PROJECT (EXTENSION)** is located on Ploenchit Road, Lumphini, Pathumwan, Bangkok. It is developed by Central and Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. This project is an extension of the **CENTRAL EMBASSY PARK (ORIGINAL)**. The CENTRAL EMBASSY PROJECT (EXTENSION) comprises a hotel with 222 rooms (Original), a residential apartment (Leasehold) with 141 units (Extension) and a mixed-use building serving multiple purposes within a single structure. The total project area is 32-0-72.4 rai or 51,489.6 square meters, consisting of five buildings with details as follows: 1) A high-rise and extra-large mixed-use building (Mixed-use High-rise Complex) consisting of one building with two towers: the CENTRAL EMBASSY PARK (ORIGINAL) and the CENTRAL EMBASSY (EXTENSION). Both towers will be connected and function as the same building at basement levels B05 to B02 and floors F01 to F07. The total usable floor area of the building (total chargeable area) is 595,962.18 square meters. The building comprises the following: (1) **CENTRAL EMBASSY PARK TOWER (ORIGINAL)** consists of commercial, hotel, theater, office, restaurants and parking spaces with 37 stories and 5 basement levels. There are 222 rooms in the hotel area which is currently open to provide services. (2) **CENTRAL EMBASSY TOWER (EXTENSION)** consists of retail mall, commercial, event hall, office, educational institute, restaurants, residential apartments (Leasehold) and parking spaces areas with a height of 53 stories in height plus 3 stories of MEP space and 6 basement levels. The building has a height of 234.80 meters (measured to the highest point of the building) and contains a total of 141 residential units.

Table 1 General Measures

CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.

Located on Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures
	2) A single-storey LPG gas storage building with a height of 5 meters (measured to the roof level), comprising 4 buildings. The total usable floor area of each building (total chargeable area) is 12.60 square meters per building, with a combined total of 50.4 square meters for all 4 buildings. Construction shall be carried out in accordance with the approved plans and permits, and strict compliance shall be required with the environmental impact prevention and mitigation measures as well as the environmental impact monitoring measures specified in the Environmental Impact Assessment (EIA) report. 2. The project shall record the results of monitoring and compliance with the environmental impact prevention and mitigation measures, as well as the environmental impact monitoring measures, as proposed in the Environmental Impact Assessment (EIA) report. The implementation results shall be submitted to the permitting authority and the Office of Natural Resources and Environmental Policy and Planning (ONEP) in accordance with the notifications of the Ministry of Natural Resources and Environment and the prescribed guidelines for submitting reports on compliance with environmental impact prevention and mitigation measures and environmental impact monitoring measures. 3. In the event that a project finds it necessary to amend the project details, or the environmental impact prevention and mitigation measures, as well as the environmental impact monitoring measures, as stipulated in the Environmental Impact Assessment (EIA) report that has already been approved, the project owner shall notify the authority responsible for granting approval or permission to proceed with the project as follows: 1) If the approving or permitting authority considers that such changes would result in environmental benefits greater than or equivalent to the measures specified in the Environmental Impact Assessment (EIA) report that has already been approved, the authority shall acknowledge the notification in accordance with the rules and conditions prescribed under the relevant law. In addition, a copy of the acknowledged changes shall be submitted to the Office of Natural Resources and Environmental Policy and Planning for

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Located on Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures
	acknowledgement. 2) If the approving or permitting authority considers that such changes may affect the material aspects of the Environmental Impact Assessment (EIA) report that has already been approved, the authority shall submit the report on such changes to the Office of Natural Resources and Environmental Policy and Planning for further submission to the relevant EIA Expert Committee on Environmental Impact Assessment Reports for consideration and approval prior to implementation of the changes. Once the project has been approved or permitted to proceed with the changes, the approving or permitting authority shall notify the Office of Natural Resources and Environmental Policy and Planning of the outcome of such changes for acknowledgement. 4. Upon completion of the project, the project operator or applicant shall inform the management team of their rights and obligations to strictly comply with the environmental impact prevention and mitigation measures, as well as the environmental impact monitoring measures specified in the Environmental Impact Assessment (EIA) report. 5. If complaints are received from the public regarding nuisance caused by the project operations, or if the project causes damage to public property or to the life and property of the public, the project operator or permit applicant shall be responsible for complying with the environmental impact prevention and mitigation measures, as well as the environmental impact monitoring measures, and shall promptly take corrective action to resolve such problems without delay.

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
1. Resources of environment by physical 1.1 Topography / Terrain Condition	- Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.	-	-	-
	- Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.	-	-	-
	- Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area. 1. Prior to commencing construction/demolition work, training must be provided to all stakeholders, including the project owner, construction/demolition contractors, and other relevant parties, to ensure compliance with environmental impact prevention and mitigation measures, and environmental impact monitoring measures. This training must be conducted every six months throughout the construction/demolition period.	- CENTRAL EMBASSY (EXTENSION)	- Before construction/ demolish works	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2. Before commencing any work, project staff will meet with neighboring houses/buildings to inform them of the name, surname, and telephone number of the construction supervisor, who must be available 24 hours a day. If there is a change in the person in charge, the project must inform surrounding residents of the new contact person and telephone number for easy contact. A suggestion box must also be installed at the guardhouse to receive any complaints that may arise. Any problems that may occur must be resolved immediately.	- CENTRAL EMBASSY (EXTENSION)	- Before construction/ demolish works	- Project Manager: at least 2 persons
	3. Prior to the commencement of construction, a 6-meter-high metal sheet fence will be installed around the perimeter of the project property, along with a 2-meter-high dust-proof mesh fence on top. The metal sheet fence will surround the extension construction area of the tower to clearly demarcate the project boundaries, help to obstruct the view, and contain noise and dust generated within the construction site. Signs prohibiting unauthorized access to the construction/demolition area will also be installed. Additionally, vinyl signs, such as images of trees or nature, will be installed to enhance the visual appeal for pedestrians in the project area.	- CENTRAL EMBASSY (EXTENSION)	- Before construction/ demolish works	- Construction Engineer (Cvil Engineer): at least 3 persons

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CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4. Signs measuring at least 3.6 meters in width and 4.8 meters in length must be installed along the fence adjacent to Ploenchit Road, Witthayu Road, and Soi Somkid to inform the public that this is the demolition and construction of the CENTRAL EMBASSY (EXTENSION) project. Public notices must be given 15 days prior to construction/demolition, and the details must be clearly displayed, such as: 4.1 Project Name 4.2 Project Owners 4.3 Contractor 4.4 Building Type and Size Summary 4.5 Construction Engineer with telephone number 4.6 Construction Plan (start and end dates) 4.7 Construction Permit Number. 4.8 Provide channels for receiving complaints against the project developer and the engineering and construction supervision consulting firm. These channels should include telephone numbers, online social networks (e.g., the project owner's website and LINE Official Account), a postal address, a suggestion box located at the	- Fences along Phloen Chit Road, Witthayu Road and Soi Somkid	- Before construction/ demolish works	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	front of the project in a clearly visible location, direct visits to the project office, and mail to the company address. In the event of a change in personnel responsible, the project must notify surrounding residents of the new contact person and telephone number for easy contact. 4.9 Responsible contact can be contacted 24 hours a day. 4.10 Summary table and final table of environmental impact prevention and mitigation measures and environmental impact monitoring measures during construction/demolition. 4.11 Complaint Handling and Compensation Procedures 4.12 Copy of the insurance policy schedule. 4.13 Other necessary information			
	5. Provide LINE Official Account with the following details: 5.1 Rich Menu (1) Environmental impact prevention and mitigation measures approved in the Environmental Impact Assessment (EIA) report. (2) Monthly report in checklist such as - Dust / Particulate Matter and Air Quality	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Noise - Vibration - Safety for crane installation and operation, and measures to prevent falls from height during construction. - Water quality discharge management - Solid waste management - Fire Prevention - Obstruction of Sunlight and changes in wind patterns (3) Report on compliance with Environmental impact prevention and mitigation measures (4) Environmental quality monitoring reports, such as air quality reports, noise level reports, vibration report, and wastewater quality report, etc. (5) Complaint handling and situation tracking system for resolving complaints (Tracking). (6) Notification System for the Permit Office and District Office			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(7) System for inspection receive compensate remedy/compensate damage item compensate for period construction/demolish including - Cases of buildings affected or damaged by the project. - Cases of illness related to construction activities - Cases of falling tools or equipment from construction/demolition work - Cases where fire spreads to the houses/buildings of affected persons or parties. - Cases of repair and site cleaning due to construction activities - Compensation cases arising from the construction project 5.2 The Deputy Project Director and the Community Relations Manager are designated as the primary responsible parties for coordinating with those affected, including contractors, engineers, and relevant agencies, to conduct fact-finding and resolve ongoing complaints until a mutually agreed-upon resolution is reached between the project and those affected.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	6. Complaint handling and compensation for affected parties: in cases where into prevent/between not shall enter to process according to Dispute Mediation Act B.E. 2562 by project is responsible party fee in the mediation process. 7. Site modifications and construction of the project are permitted only within the boundaries of the project. 8. A construction management company will be appointed to oversee the construction and ensure that contractors strictly adhere to the measures specified in the approved Environmental Impact Assessment (EIA) report. These measures will also be included in the Terms of Reference (TOR) to inform contractors of the requirements from the outset of the construction/demolition bidding process for the project.			
	9. Assign a construction engineer to closely monitor the construction process and ensure it adheres to engineering principles, minimizing any impact on surrounding areas.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer): at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	10. Assign project personnel to maintain the fence in good condition, ensuring its stability and strength throughout the construction/demolition period. 11. Inspect the information signs in front of the project area to ensure they are always in good condition and not faded or worn throughout the construction/demolition period. 12. Install a suggestion box at the guard post to receive any potential complaints. Regularly check the box for proper functioning. 13. Regularly inspect the construction/demolition site for orderliness. At least once a week, throughout the construction/demolition. 14. Measures for maintaining existing trees in the former nursery area. 14.1 Watering: Water regularly and in appropriate amounts, especially during periods of drought or low rainfall. Prolonged water shortage can stunt plant growth. 14.2 Soil loosening and weeding: Weed by hand monthly to prevent competition for water and nutrients. Loosening the soil around the base of the plant improves air and water penetration to the roots.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	14.3 Disease and pest control: Diseases and pests are major causes of plant damage. Regularly inspect for abnormalities by a specialist and take appropriate preventative or corrective measures.			
	14.4 Fertilization: Use organic fertilizers to improve soil fertility and increase its richness. Use chemical fertilizers with a formula of 16-16-16 or 15-15-15 to provide essential nutrients. Apply in small amounts frequently, especially during the rainy season. If the tree does not develop new roots, apply a root stimulant (Vitamin B1) to promote root growth. 14.5 Pruning: This helps remove dry or damaged branches, shape the tree, increase light penetration, reduce diseases and pests, and promote tree health. 14.6 Expert tree health assessment: A tree health assessment helps determine the overall condition, disease and pest problems, or structural instability. Record the data with photographs for long-term maintenance planning. 15. Measures to relocate the rain tree from the project area. - Prepare the tree: Withhold watering for 1-2 days to allow the soil around the roots to harden and make lifting easier.	- CENTRAL EMBASSY (EXTENSION)	- Before construction/ demolish works	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Define the area: Measure the radius of the root ball to be excavated, adjusting it to the appropriate size of the tree. - Excavate the root ball: Dig within the defined circle, excavating outwards wide enough to cut the taproot and lateral roots. - Lift the root ball: Place the excavated root ball on a burlap sack for transport. - Manage roots and leaves: Trim all taproots and large roots, and prune approximately 80-90% of the leaves to reduce water loss and help the tree establish itself better after the root system has been disturbed.			
	- Wrapping the root ball: Wrap the root ball in burlap or a suitable material. - Temporary transplant: Place the plant in a shaded area and water thoroughly with a rooting hormone solution such as B1 or an energy drink (1 spoonful dissolved in 20 liters of water). - Care and establishment: Keep the plant in a shaded area for about 5-7 days. Then move it to a location with 60% indirect sunlight.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Observe until the plant produces two rounds of new shoots, indicating that the plant is strong and ready to establish itself. - Permanent planting: Once the plant has produced two rounds of shoots, it can be transplanted to its permanent location.			
	16. A 6-meter-high metal sheet fence was installed to separate the construction area from the location of the rain tree outside the original tree nursery area, in order to prevent any impact from the construction of the tower extension.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer): at least 3 persons
	17. Prepare a monthly checklist of monitoring results, including environmental quality monitoring reports, compliance with environmental impact prevention and mitigation measures, and environmental impact monitoring measures, throughout the construction/demolition period. This record should be published via the project's LINE Official Account. 18. During the construction phase, environmental impact monitoring reports will be stored in the project's office. Upon completion of construction, this data will be collected and stored in the project's office during the operational phase. The data will be stored as electronic data files accessible and manageable via electronic devices	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	such as computers or mobile devices for easy retrieval. This information will also be continuously disseminated via the project's LINE Official Account for one year after the commencement of operations.			
	19. The project owners (Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.) submitted the final Environmental Impact Assessment (EIA) report to the incoming management team or project executive board to inform them of the project details and the measures that the project must implement throughout its duration. 20. The project owners (Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.) are responsible for proving whether or not the impacts observed were caused by the project development. Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. will bear all costs associated with conducting this investigation.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Central and Hongkong Land Co.,Ltd and Tiang Chirathivat Real Estate Co.,Ltd.
1.2 Soil Resources	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Impacts caused by excavation. 1) A 6-meter high metal sheet fence will be installed around the perimeter of the project land, and a 2-meter high dust-proof mesh tarp will be installed on top of the metal sheet fence around the tower extension construction area and the concrete plant area. This will clearly demarcate the project area, help to block out visual pollution, and contain noise and dust generated within the construction site. Signs prohibiting unauthorized access to the construction/demolition area will be installed, along with vinyl banners depicting, for example, trees or nature images, to enhance the visual appeal for passersby.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer): at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2) Prepare drainage trenches 0.5 m wide and 1.0 m deep with a slope of 1:200, collecting rainwater from the excavated subsurface to a pumping station (pit) during foundation and subsurface construction	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	3) Provide a designated area for washing truck wheels and ensure they are thoroughly cleaned before leaving the construction site. The water used for wheel washing will flow into temporary drainage ditches surrounding the project area. At the end of these temporary drainage ditches, there will be a sediment trap to allow sediment, rocks, gravel, and sand carried by rainwater to settle. The water will then drain into the drainage pipes along Witthayu Road, and from there, it will flow North through the pipes into Khlong Saen Saep canal. 4) All trucks transporting soil out of the project must have their wheels covered with tarpaulins to prevent soil from falling off during transport. The wheels must be thoroughly washed before the trucks are loaded onto the road surface. Signs displaying the company name, project owner, contractor, and direct contact telephone numbers must be affixed to both sides of the truck	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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	and on the truck bed. When unloading the soil at the designated dumping site, the truck bed must not be slammed to prevent noise disturbance. 5) Place informational signs on the side of the dump trucks, indicating the contractor's name and contact telephone number, so that nearby residents and those using the road shared by the dump trucks are informed and can contact the contractor directly in case of any inconvenience caused by the dump truck transportation. 6) Control the dump trucks to prevent them from carrying weight exceeding the legal limits.			
	2. The impact of transporting soil from outside the project area to a soil disposal site. 1) The contractor is responsible for managing the excavation of approximately 645,630 cubic meters of soil (divided into approximately 116,573 cubic meters from pile construction (contaminated with bentonite solution) and approximately 529,057 cubic meters from soil protection systems, foundations,	- The soil dumping site is located on Phahonyothin Road, Khlong Nueng and Bang Wai Tai subdistricts,	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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	basement construction, and underground utility installations) to be disposed of at a designated disposal site located on Phahonyothin Road, Khlong Nueng and Bang Wai Tai subdistricts, Khlong Luang District, Pathumthani Province. The total area of the site is 262-3-57 rai or 420,628 square meters, approximately 36.6 kilometers from the project area, and is owned by CPN City Co., Ltd. and CPN Complex Co., Ltd. 2) It is strictly prohibited to dispose of used bentonite in public areas or unauthorized areas. 3) A civil engineer with the qualification of a registered professional engineer must supervise the disposal of the soil. 4) A minimum distance of 6 meters must be maintained on all sides of the soil disposal area. 5) Trucks transporting leftover soil from leveling within the area must be properly dumped at the designated disposal site. The trucks must be securely wrapped with tarpaulins, and a sign clearly indicating the project name, contractor's name, contact telephone number, and all necessary permits for soil filling must be affixed. Before leaving the disposal site, the truck wheels	Khlong Luang district, Pathumthani province.		

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	must be washed to prevent any soil from being carried back onto the road. Failure to comply with these regulations will result in the immediate cancellation of all soil dumping activities by the landowner.			
	6) Do not exceed a speed of 30 kilometers / hour in community areas. 7) Use tarpaulins to cover trucks transporting soil to prevent spillage onto the road. 8) Create trenches around the soil disposal area. The soil will then flow into sediment traps to trap sediment before being discharged into the drainage pipes along Phahonyothin Road. 9) Separate the soil into categories: excavated soil from pile construction and excavated soil from soil erosion control systems, foundations, underground construction, and underground utility systems. Use 10-wheel trucks to transport the soil to the disposal site. Securely tie the tarpaulins, and display signs indicating the project name, contractor, contact telephone number, and all necessary permits for soil filling.	- The soil dumping site is located on Phahonyothin Road, Khlong Nueng and Bang Wai Tai subdistricts, Khlong Luang district, Pathumthani province.	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	10) Upon arrival at the disposal site, separate the soil by type and unload it layer by layer, each layer approximately 20-30 centimeters thick. Pour the soil in a sequence from the inside of the area outwards. A backhoe will be used to level, fill, and compact each layer. 11) Once the trucks have finished unloading, before leaving the disposal area, the wheels of all trucks entering and exiting the area must be washed. High-pressure water jets are used to clean the wheels and undercarriage of trucks at the entrance and exit of the area, to prevent dust and mud from clinging to the wheels.			
	12) 10-wheel trucks for transporting soil from the project area to the soil disposal site will operate between 9:00 AM – 3:00 PM and 9:00 PM – 6:00 AM in Bangkok, and between 9:00 AM – 4:00 PM and 7:00 PM – 6:00 AM in Nonthaburi and Pathumthani. 13) Backhoe excavators working in the soil disposal site will operate Monday to Saturday between 8:00 AM and 6:00 PM, stopping filling work from 5:00 PM. After that, the work will be completed and cleaned up until 6:00 PM, and construction workers must	- The soil dumping site is located on Phahonyothin Road, Khlong Nueng and Bang Wai Tai subdistricts, Khlong Luang district,	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	leave the soil disposal site before 6:00 PM. There will be no work in the soil disposal site on Sundays and public holidays (as announced by the government but not exceeding 13 days/year). 14) If the project owner finds that those receiving soil from the project are not complying with the measures, 15) Control the entry and exit of soil transport trucks to prevent impact on traffic on other public roads. The contractor must coordinate with all soil transport truck drivers by telephone to control their departure times from the soil dumping area, ensuring they leave in alternating shifts and not simultaneously. The contractor must also report the situation at the construction site periodically to adjust the soil transport plan as much as possible. 16) The project must strictly comply with the Ministerial Regulation prescribing measures for preventing soil or structure collapse during excavation or filling of land, B.E. 2548 (2005).	Pathumthani province.		
	17) A construction management company will be appointed to oversee the contractors and ensure strict compliance with the measures specified in the approved Environmental Impact	- The soil dumping site is located on Phahonyothin Road,	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Assessment (EIA) report. The measures outline in the EIA report will also be included in the Terms of Reference (TOR) to inform contractors of the requirements from the bidding stage of the project.	Khlong Nueng and Bang Wai Tai subdistricts, Khlong Luang district, Pathumthani province.		
1.3 Geology	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) for impacts from construction activities carried out within the extension area.** 1. Before commencing construction of the tower extension, the contractor must notify neighboring residents through a written request	- Neighboring houses/buildings	- Before construction	- Construction Engineer (Civil Engineer):

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	for permission to photograph the condition of their fences, walls, and buildings. If neighboring homeowners/building owners do not grant permission, they must submit the photographs to the project within one month of receiving the request. A document must then be prepared for each party to keep as a reference for determining responsibility for compensation/repairs to restore the property to its original condition should cracks or other damage occur due to the project activities. The contractor must also provide the contact telephone number of the construction supervisor for direct communication with the project. 2. Before commencing construction of the tower extension, project staff will meet with neighboring houses/buildings to inform them of the name, surname, and telephone number of the construction supervisor, who can be contacted 24 hours a day. If there is a change in the person in charge, the project must inform the surrounding residents of the new contact person and telephone number so that they can easily contact the relevant person.			at least 3 persons - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Furthermore, a suggestion box must be installed at the guardhouse or entrance gate to receive any complaints that may arise. Any problems that may occur must be addressed immediately.			
	3. A diaphragm wall with a thickness of 1 meter and depths of 29, 33, and 36 meters will be constructed around the perimeter of the CENTRAL EMBASSY TOWER (EXTENSION), along with barrette piles measuring 1x3 meters at a depth of 57 meters and 1x3.8 meters at a depth of 72 meters. A sheet pile with a depth of 18 meters will also be constructed around the perimeter. (Water retention pond) 4. Install eight inclinometers located at the North, East, South, and West sides.These inclinometers measure the movement of soil mass deep underground. 5. The inclinometer warning level is set at three levels as follows: 1) Alert Level percent 70 of value route including (1) North quantity 2 point(s) consisting of with - Position I-2 has value movement/shiftmaximum equal to 52 centi meters	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction	- Engineer control construction (civil engineer): at least 3 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Position I-3 has value movement/shiftmaximum equal to 52 centi meters (2) East quantity 2 point(s) consisting of with - Position I-4 has value movement/shiftmaximum equal to 41 centi meters - Position I-5 has value movement/shiftmaximum equal to 41 centi meters (3) South quantity 2 point(s) consisting of with - Position I-6 has value movement/shiftmaximum equal to 21 centi meters - Position I-7 has value movement/shiftmaximum equal to 21 centi meters			
	(4) West quantity 2 point(s) consisting of with - Position I-8 has value movement/shiftmaximum equal to 63 centi meters - Position I-1 has value movement/shiftmaximum equal to 63 centi meters	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction	- Engineer Control Construction (Civil Engineer): at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	All relevant parties are required to inspect and verify the construction procedures. 2) Alarm Level percent 80 of value route consisting of with (1) North quantity 2 point(s) consisting of with - Position I-2 has value movement/shiftmaximum equal to 60 centi meters - Position I-3 has value movement/shiftmaximum equal to 60 centi meters (2) East quantity 2 point(s) consisting of with - Position I-4 has value movement/shiftmaximum equal to 47 centi meters - Position I-5 has value movement/shiftmaximum equal to 47 centi meters (3) South quantity 2 point(s) consisting of with - Position I-6 has value movement/shiftmaximum equal to 24 centi meters - Position I-7 has value movement/shiftmaximum equal to 24 centi meters (4) West quantity 2 point(s) consisting of with			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Position I-8 has value movement/shiftmaximum equal to 72 centi meters - Position I-1 has value movement/shiftmaximum equal to 72 centi meters All relevant parties shall consult with the designer to ensure that the construction method is safe and does not cause damage to adjacent structures.			
	3) Action Level percent 90 of value route consisting of with (1) North quantity 2 point (s) consisting of with - Position I-2 has value movement/shiftmaximum equal to 67 centi meters - Position I-3 has value movement/shiftmaximum equal to 67 centi meters (2) East quantity 2 point (s) consisting of with - Position I-4 has value movement/shiftmaximum equal to 53 centi meters - Position I-5 has value movement/shiftmaximum equal to 53 centi meters (3) South quantity 2 point(s) consisting of with	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction	- Engineer Control Construction (Civil Engineer): at least 3 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Position I-6 has value movement/shiftmaximum equal to 27 centi meters - Position I-7 has value movement/shiftmaximumequal to 27 centi meters (4) West quantity 2 point(s) consisting of with - Position I-8 has value movement/shiftmaximum equal to 81 centi meters - Position I-1 has value movement/shiftmaximum equal to 81 centi meters Construction must be suspended to thoroughly inspect safety conditions and assess impacts on adjacent areas.			
	6. Tilt sensor meters will be installed within the Nai Lert Park area, and level measurements will be taken regularly using a surveying instrument to detect any subsidence of the building within the Nai Lert Park area throughout the construction period of the tower extension.	- Nai Lert Park	- Throughout the construction	- Construction Engineer (Civil Engineer): at least 3 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	7. Assign engineers to closely supervise the construction/demolition process and control the construction to ensure it adheres to engineering principles and minimizes impact on surrounding areas.	- Neighboring houses/buildings	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer): at least 3 persons
	8. Arrange for Contractors All Risks (CAR) insurance to cover accidents or force majeure events causing damage to property and life, and to include third-party liability insurance, covering the entire construction period until project completion. The liability to third parties, including life and property, is capped at 350,000,000 THB per incident, with no limit on the number of incidents. A copy of the insurance policy schedule will be displayed on the construction site. 9. A reserve fund of 15,000,000 baht (fifteen million baht) has been established for initial compensation. In the event of damage to neighboring buildings, the project will compensate for the initial estimated damage without waiting for insurance claims. The company will then subsequently claim compensation from the insurance company. In the event that both parties (the project owner and the affected party) cannot reach an agreement or have a dispute, the matter will proceed to the mediation process under the Dispute	- CENTRAL EMBASSY (EXTENSION) - Neighboring houses/buildings	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Resolution Act B.E. 2562 (2019), with Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. bearing all costs of the process.			
	10. Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. (the project owners) are responsible for proving whether or not the impacts observed were caused by the project development. Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. will bear all costs associated with conducting this investigation. 11. If the project discovers any artifacts on the surface, or excavates them from underground or underwater, the Fine Arts Department will be notified to take action in accordance with the Act on Ancient Monuments, Antiquities, Art Objects and National Museums B.E. 2504 (1961).	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
1.4 Earthquake resistance	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) for impacts from construction activities carried out within the extension area.** 1. Design of buildings in accordance with the Ministerial Regulations on the Load Capacity, Resistance, Durability of Buildings and the Ground Supporting Buildings to Withstand Earthquakes, B.E. 2564 2. The building design must comply with the Ministry of Interior's regulations regarding the design and calculation of building structures to withstand earthquakes, B.E. 2564 (2021), and the project owner must strictly monitor and ensure compliance.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer): at least 3 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
1.5 Air Quality	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. Speed bumps were installed to control vehicle speed within the project area and to prevent dust from spreading on the road surface. 2. Assign staff to maintain the cleanliness of the roads within the project by regularly washing the roads with water. 3. A total of 887.54 square meters of green space will be provided, divided into 762.54 square meters on the 1st floor and 125 square meters on the 9th floor. Cover crops will be planted to prevent dust pollution, absorb carbon dioxide, and reduce temperature caused by plant transpiration and water evaporation from the soil surface. 4. Install a "No Engine Left Running" sign in the parking area. 5. Select plant species that have the ability to absorb carbon monoxide generated by the project's vehicles, such as dwarf octopus plant, cycad, Ligusticum chuanxiong, yellow palm, pine, Gardenia, Ficus microcarpa, Gardenia jasminoides, and Aglaonema, etc.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team /Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.** 1. A temporary partition wall made of C-channel steel, clad with 9 mm thick gypsum boards on both sides, will be constructed between the construction area and the remaining open area of the original tower. 50 mm thick Rockwool sound insulation will be installed, covering the floor-to-ceiling height of the connected floor. A safe distance will be maintained from accessible areas to prevent dust dispersion.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer): at least 3 persons
	2. The design includes installing a temporary fence (green wall) along the 9th floor (swimming pool level) on the North side of the original tower to mitigate the impact of dust.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Environmental Control Engineer (Environmental Engineer): at least 1 person
	3. The project is pleased to arrange for staff to clean the hotel swimming pool within the CENTRAL EMBASSY PARK TOWER (ORIGINAL) at least four times a year throughout the construction of the tower extension.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) for impacts from construction activities carried out within the extension area.** **1. Measures for preparing and managing construction/demolition.** 1) When piling materials that generate dust or leftover scraps, they must be covered completely with a tarpaulin. 2) Do not leave leftover scraps piled or stored on the worksite for extended periods; arrange for trucks to pick them up and dispose of them. 3) Pave the access roads to and from the construction site with asphalt or reinforced concrete in good condition to reduce dust dispersion. 4) Each construction activity is limited to a maximum open land area of 2,500 square meters in each zone, which will be approximately 50 meters wide and 50 meters long.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	2. Measures related to transportation and the use of machinery. 1) Use tarpaulins to cover trucks transporting soil, construction materials, rock, and sand to prevent them from falling onto the roads used for transportation. Also, arrange for staff to sweep up	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	any fallen soil and sand in front of and around the project area. In case of wet soil spills, clean it up immediately. 2) Do not leave engines running when not in operation.			
	3) Diesel-powered vehicles and machinery used during the construction/demolition phase must undergo black smoke emission testing no later than 3 months prior to construction commencement. A certificate must be issued, requiring testing under engine load during a test run. Testing must be conducted every 6 months during the construction period, following standard procedures and conducted by any relevant agency depending on the type of machinery. A certificate must be issued each time and kept at the construction office for the entire construction/demolition period. If black smoke levels exceed the standard, improvements must be made to meet the standard, and a retest must be conducted before reuse. 4) Control the entry and exit of precast concrete transport trucks to minimize disruption to traffic on Ploenchit Road, Witthayu Road, and Soi Somkid. The contractor must coordinate with the concrete	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	supplier and all truck drivers via mobile phone and radio to manage departure times from the production plant, ensuring staggered departures and avoiding simultaneous arrivals. The construction site will report the situation periodically to adjust the concrete delivery plan as efficiently as possible. 5) All vehicles entering and exiting the project area must be registered with the Bangkok Metropolitan Administration. Details are as follows: 5.1) Trucks with 6 wheels or more used for transportation, unloading, and moving goods within the construction site must be registered on the Green List. 5.2) Vehicles used for transporting construction workers, project staff, supervisors, and contractors, with four wheels or more, must be registered on the Green List Plus, except for EURO 5, EURO 6 vehicles, natural gas vehicles (NGV), and electric vehicles (EV). 6) Inspect and maintain the engines of trucks and machinery to ensure they are always in good working condition.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3. Waste management measures. - Burning of solid waste or any debris, such as wood scraps, paper, and plastic, within the project area is strictly prohibited. **4. Construction and demolition measures** **1) General Timeframe** (1) Install a 6-meter high metal sheet fence around the perimeter of the project land and a 2-meter high dust-proof mesh tarp on top of the metal sheet fence around the tower extension construction area and the concrete plant. This will clearly demarcate the project area, help to obstruct the view, and prevent dust generated from construction/demolition and excavation during construction. Additionally, vinyl signage, such as images of trees or nature, will be installed to enhance the visual appeal for passersby around the project area.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager: at least 2 persons
	(2) Install a double-layered mesh sheet (fire-retardant type): a mesh sheet between layers and an outer mesh sheet covering the entire perimeter of the building, from the bottom floor to	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	the top floor. The perimeter should be at least as high as the height of the tower extension during construction and continuously extend to a height of at least 2 meters. This is to prevent materials from falling outside the construction sheet during construction on those floors, as well as to prevent dust from spreading to neighboring houses/buildings. (3) Regularly inspect the condition of the fire-retardant mesh sheet to ensure it is in good working order. If any damage or defects are found, it must be repaired or replaced immediately throughout the construction/demolition process. (4) Plan and stockpile only the necessary materials at the project construction site. (5) Implement prefabricated or semi-prefabricated construction techniques that minimize on-site concrete casting. (6) Any actions that may cause dust pollution must be carried out in an area covered with tarpaulin or in a room with a roof and three enclosed sides.			(Engineer Environment) at least 1 person - Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(7) All vehicles entering the project area must have their engines switched off when not in use.			
	(8) Equipment and machinery that are used occasionally must be switched off or reduced in speed during breaks (9) Maintain a daily logbook of machinery/equipment used. This logbook should specify the type of machinery/equipment used, its quantity, capacity, daily usage time, and activities performed during each period. This information will be used for retrospective audits, etc. (10) Spray water on the construction/demolition area or areas that generate dust twice daily, every day throughout the construction/demolition period. Immediately sweep away dust particles after spraying to prevent further dispersion. (11) Install water spray systems on the metal sheet fence surrounding the project, only on the top of the fence structure inside. Operate the water spraying system continuously during construction activities that generate dust and continue until the landscaping work is completed.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager at least 2 persons

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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	The spraying should then be stopped. Increase the frequency and density of water spraying during dry weather conditions and when PM2.5 levels exceed the standard. This is to capture dust particles that may disperse into nearby communities during the construction of the tower extension. (12) Install water misting systems on the mesh sheet-covered structures surrounding the extension tower at the highest level, moving along with the highest level under construction. Operate the misting system every hour for at least 20 minutes whenever construction activities generate dust, until the exterior curtain wall installation is complete. Increase the frequency and density of the misting system during dry weather and when PM2.5 levels exceed the standard. (13) Install nine CCTV cameras inside and around the project construction area, along with a control room. The camera angles should cover the construction material storage area,			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	garbage bins, sediment traps, vehicle wheel washing areas, environmental quality monitoring equipment installation points, water treatment ponds for testing water quality before discharge outside the project, guard posts, workers' canteen, restrooms, wastewater treatment tanks, water storage tanks, and the construction site staff office, etc., to monitor the orderliness and safety within the project and surrounding areas. Select cameras capable of night vision and storing recorded footage. To view past footage. (14) The supervisor checks camera footage and the Online Dashboard system twice a day. (15) Maintain a logbook, incorporating camera footage into monthly checklist reports. Immediately order corrections if non-compliance is found. (16) Monitoring particulate matter measurements outside the project area: - Monitor air quality data from the Pollution Control Department and the Bangkok Metropolitan Administration's	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Environmental Office to obtain daily air quality information for the project area (via the Air4Thai or AirBKK applications). If PM2.5 levels (outside the project area), specifically at the Chulalongkorn Hospital station on Rama IV Road, Pathumwan District, exceed the standard value of 37.5 micrograms per cubic meter, immediate action will be taken. Instruct the supervising engineer to increase the frequency and density of the water spraying rate. (17) Monitoring of particulate matter measurements within the project area: - Establish a particulate matter warning level based on real time sensor measurements at 4 points (4 corners of each direction) within the project area. Details are as follows: (17.1) In the case that the average particulate matter value over 1 hour from any real-time sensor measurement point is 90% of the specified standard value, namely: - Dust / Particulate Matter size not exceeding 2.5 mic wait ($PM_{2.5}$) has value equal to 0.0338 milligrams/cubic	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	meters (value standard at specify equal to 0.0375 milligrams/cubic meters) - Dust / Particulate Matter size not exceeding 10 mic wait (PM_{10}) has value equal to 0.09 milligrams/cubic meters (value standard at specify equal to 0.10 milligrams/cubic meters) by unit will notify warn to engineer person/party control work construction in order to order/command shall increase frequency and thick of spray water and consider reduce operation of unit machine at shall occur Dust / Particulate Matter (17.2) If the average particulate matter less than 2.5 micrometers in diameter (PM2.5) and particulate matter less than 10 micrometers in diameter (PM10) over a 1-hour period, as measured by a real-time sensor at any given location, exceeds the alert level and the set standard value. - The supervising engineer is instructed to halt all dust-generating activities for the next hour,			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	investigate the cause of dust levels exceeding the standard, and improve mitigation and prevention measures. The improved measures must be implemented, and before resuming construction, PM2.5 and PM10 levels must be measured again. Construction may resume only if the average values meet the standard. The project must regularly record and compile a checklist of actions taken monthly, submit the report to the permitting authority, and publish it on the project website and the project's official LINE account to inform the public surrounding the project area and encourage their participation in monitoring compliance with the measures.			
	2) The months with high levels of airborne particulate matter. (1) Monitoring the results of particulate matter measurements outside the project area.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment):

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(1.1) Monitor air quality conditions from the Pollution Control Department and the Bangkok Metropolitan Administration's Environmental Office to obtain daily air quality information for the project area (via the Air4Thai or AirBKK applications). If the concentration of particulate matter less than 2.5 micrometers in diameter (PM2.5) (outside the project area), specifically at the Chulalongkorn Hospital station on Rama IV Road, Pathum Wan District, exceeds the standard of 37.5 micrograms/cubic meter, according to the 2024 Bangkok PM2.5 mitigation action plan under the national agenda "Addressing Air Pollution," the Governor of Bangkok can enforce existing laws. This may include ordering the cessation of various activities to allow air quality to return to normal. Therefore, the project must cooperate. In accordance with the policies of the Governor of Bangkok, such as:			at least 1 person - Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Case $PM_{2.5}$ has value between 37.6-75 not /cubic meters Engineer person/party control work construction shall operations as follows (1) Increase frequency in spray water and sweep debris/waste sediment dust (2) Reduce incident of generate dust such as reduce unit machine/unit vehicle that use water good that have value Emission Factor high and increase quantity unit machine/unit vehicle that use electrical - Case $PM_{2.5}$ has value exceed 75 not /cubic meters shall together/joint hand according to request together/joint hand of person/party that Bangkok Metropolitan Administration by engineer person/party control work construction will order/command shall stop activity construction at shall occur Dust / Particulate Matter size not exceeding 2.5 mic wait ($PM_{2.5}$) including work that use unit machine and that use unit vehicle good	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	into transport send material construction enter to floor/surface at Project work cut drill scrub but surface concrete or at shall occur Dust / Particulate Matter when receive notify from Agency / Organization timely. (2) Monitoring the results of particulate matter measurements within the project area. - Specify shall has level notify warn (Warning) Dust / Particulate Matter from Inspect measure using equip hand Inspect measure type Real-Time Sensor inside Project quantity 4 point(s) (4 of each direction) details as follows (2.1) In cases where the average particulate matter level over a one-hour period, as measured by a real-time sensor at any given location, is 90% of the established standard, such as: - Dust / Particulate Matter size not exceeding 2.5 mic wait ($PM_{2.5}$) has value equal to 0.0338 milligrams/cubic meters (value standard at specify equal to 0.0375 milligrams/cubic meters)	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (engineer environment): at least 1 persons - Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Dust / Particulate Matter size not exceeding 10 mic wait (PM_{10}) has value equal to 0.09 milligrams/cubic meters (value standard at specify equal to 0.10 milligrams/cubic meters) The machine will alert the construction engineer to increase the frequency and density of water spraying, as well as consider reducing the operation of machinery that generates dust. A checklist of activities and machinery that have been reduced must be recorded regularly every month. The report will also be submitted to the permitting authority and published on the project's website and LINE Official Account, so that residents in the surrounding area can be informed and participate in monitoring the implementation of the various measures.			
	(2.2) The supervising engineer ordered a halt to all dust-generating activities for the next hour, and investigated the cause of the dust levels exceeding the standard. They also revised and	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment):

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	improved mitigation measures, and implemented the revised measures. Before resuming construction, they must re-measure PM2.5 and PM10 levels. Only if the average values meet the standard levels can construction resume. The project must record and compile a checklist of actions taken monthly, and submit this report to the permitting authority and publish it on the project's website and LINE Official Account. This will allow residents around the project area to be informed and participate in monitoring compliance with the measures.			at least 1 person - Project Manager at least 2 persons
	(3) Additional measures have been implemented to increase the frequency of water spraying, as well as the frequency and density of the spray rate, to effectively capture dust during dry weather conditions and when the measured PM2.5 levels at the Chulalongkorn Hospital monitoring station	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	on Rama IV Road, Pathumwan District, exceed the standard limit. (4) In the event that the measurement results of particulate matter less than 2.5 micrometers in diameter (PM2.5) from the Chulalongkorn Hospital station on Rama IV Road, Pathumwan District, or the air quality measurement results within the project area using the standard method of the Pollution Control Department, exceed the standard value, the project's environmental engineer will check the Logbook data to compare the amount of particulate matter generated with the type and number of machinery/engines used in the project, as well as the activities carried out during that time period.			- Project Manager at least 2 persons
	(5) By comparing the amount of particulate matter generated during periods with PM2.5 levels exceeding the standard, as measured by the Chulalongkorn Hospital station on Rama IV Road, Pathumwan District,	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment):

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	or by comparing air quality measurements within the project area using the standard methods of the Pollution Control Department with the type and number of machinery/engines used in the project, the project will use this information to adjust plans and reduce construction activities in the next phase to prevent a recurrence of particulate matter levels exceeding the standard. This will be done as follows: (5.1) Pile driving and foundation activities for the tower extension and construction of the residential marketing suite: The project will implement dust control measures for pile driving and foundation work, as appropriate to the site conditions and construction methods at each stage, aiming to reduce dust dispersion from primary sources and key work areas. The measures considered for implementation include:			at least 1 person - Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Install or improve dust control equipment or systems in high-dust generation areas (e.g., material mixing/conveying areas or areas with high volumes of material movement) and consider appropriate area containment or isolation measures. - Consider limiting or modifying certain activities that are likely to generate significant dust (e.g., excavation/movement of surface materials) through practical management within the construction site. - Increase the frequency of water spraying/surface cleaning in work areas and traffic lanes within the construction site, as needed and based on weather conditions.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Ensure that dust-generating materials and piles are properly cleaned and covered, as appropriate and practically feasible. The above measures are implemented to prevent and mitigate the impact of particulate matter. The details and intensity of the measures will be adjusted according to the circumstances and technical/safety/operational limitations at each period. - Consider restricting the use of diesel machinery and maintaining a list of diesel machinery actually in use. - Consider adjusting the size of the excavation area or activities that generate significant dust dispersion.	CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (engineer environment): at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Consider reducing the number of soil transport trips during periods when dust levels exceed standards and increase the number of trips during periods when dust levels are within standards, to help mitigate the impact on construction plans. - Add water misting points in the work area, especially during foundation and underground work. - Increase the frequency of water spraying within the construction area from twice a day to every hour on the hour. - Temporarily suspend construction activities in special cases. If the Bangkok Metropolitan Administration or the government announces a policy requesting cooperation from	-		

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	construction sites in the Bangkok area to stop construction activities, the project will cooperate by temporarily suspending construction activities on the dates specified in the letter from the government agency.			
	(5.2) For above-ground structural activities of the CENTRAL EMBASSY TOWER (EXTENSION), the project will implement dust control measures as appropriate to the activities and environmental conditions at each period, with a focus on areas likely to generate dust from work at heights and material handling. The measures the project is considering include: - Consider installing dust barriers/nets/panels in appropriate	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	areas to reduce dust dispersion outside the work area. - Consider adjusting work methods or material storage/handling procedures in high-dust generation areas, with safety as the primary consideration. - Increase cleaning/misting of traffic areas within construction sites and frequently dusty locations as needed and depending on weather conditions. These measures are part of preventative management and impact reduction, and do not guarantee any specific level of dust control, as these levels are influenced by external factors. - Modify activities that generate a lot of dust, such as cutting, drilling, or grinding			

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	concrete surfaces, plastering, and floor polishing. - Consider managing the number of trips and timings for transporting construction materials in and out of the area, ensuring that construction material transport vehicles enter the area during times when particulate matter levels are within standard limits. - Increase the duration of water misting from the current schedule of every 1 hour for 20 minutes each time to continuous water misting throughout the day. - Temporarily suspend construction activities. (In cases where government agencies send letters or requests for cooperation with the project.)			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(5.3) Activities related to the transportation of soil, construction debris, and machinery movement: The project will implement measures for these activities, aiming to reduce dust from traffic and material handling, based on practical suitability. The measures considered for implementation include: - Ensure that materials on trucks are covered and that wheel/road surface cleaning is carried out of the construction area as appropriate. - Consider managing the number of truck trips and transportation times within the construction area to avoid traffic congestion during periods of weather conducive to dust dispersion (e.g., dry/windy air), without compromising safety and the overall operational plan.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Increase the frequency of water spraying or cleaning of walkways within the construction area and material handling areas as needed. Adjusting transportation activities or any other measures is a practical management approach to mitigate impacts and does not automatically necessitate a complete suspension or halt of construction. However, if necessary, the project may consider temporarily limiting specific activities based on technical and safety considerations to allow for a speedy and appropriate resumption of operations.			
	(5.4) The project aims to support continuous improvement of dust control measures and environmental management by considering	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer

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	the adoption of appropriate new measures or technologies/innovations, taking into account site conditions, technical limitations, safety considerations, and project operational aspects. Examples of approaches considered include: - Increasing the use of materials or construction methods that help reduce dust-generating activities on construction sites (e.g., using certain types of precast components in appropriate applications) or other technical measures that comply with engineering and safety requirements. Considering the implementation of new measures/innovations is a guideline to improve management efficiency, depending on the readiness and practical suitability at each stage, and			(Engineer Environment) at least 1: person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	does not guarantee any particular level of air quality improvement.			
	(6) Adjustments to operations during months with high air pollution levels must be implemented, with the project establishing clear accountability mechanisms to ensure transparency and accountability, as follows: (6.1) Person responsible for issuing orders: The Project Manager has the authority to order the cessation or modification of activities that generate PM2.5 or PM10 particulate matter as measured by Real-Time Sensors within the project area, and to issue warnings for values exceeding the standards as follows: - If the average PM2.5 or PM10 particulate matter level over a one-hour period is 90% of the set standard, the contractor must be	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment): at least 1 person - Project Manager at least 2 persons

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	instructed to increase the frequency and density of water spraying. - If the average PM2.5 or PM10 particulate matter level over a one-hour period exceeds the set standard, the contractor must be instructed to stop all activities that generate particulate matter for the following hour. - If the average PM2.5 or PM10 particulate matter level exceeds the set standard for more than 15 consecutive minutes, the contractor must be instructed to stop and adjust operations within 5 minutes.			
	(6.2) Person responsible for compliance with the measures: Contractor must proceed as follows: - If the average PM2.5 or PM10 level over a one-hour period is 90% of the set standard, increase the frequency and density of water spraying.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1: person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- If the average PM2.5 or PM10 level over a one-hour period exceeds the set standard, stop all activities that generate particulate matter for the next hour. - If the average PM2.5 or PM10 level exceeds the set standard for more than 15 consecutive minutes, immediately stop and adjust operations as instructed, and report the work stoppage to the project manager as soon as possible.			- Project Manager at least 2 persons
	5. Measures related to soil transportation. 1) The entrance and exit areas must be kept completely closed at all times, only opened when vehicles are entering or exiting. The surface must be kept clean and free of debris such as rocks, soil, sand, or dust until construction is complete.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2) Assign personnel to sweep away any fallen soil and sand in front of and near the project area. In case of wet soil debris, it must be cleaned immediately by sweeping away the soil and sand. If water is used for spraying, measures must be taken to prevent muddy water from flowing into the drainage pipes along Witthayu Road. 3) Implement measures to wash the wheels of trucks entering and exiting the project area. High-pressure water will be used to clean the wheels and undercarriage of trucks at the entrance and exit of the project area to prevent dust and mud from clinging to the wheels. The water from washing the wheels will flow into temporary drainage channels around the project area. At the end of the temporary drainage channel, there will be a sediment trap to allow sediment, rocks, gravel, and sand that have been carried by rainwater to settle before flowing into the drainage pipes along Witthayu Road. From there, the water will flow through the drainage pipes towards the North to drain into Khlong Saen Saep.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4) Provide thick steel plates to cover the entire area within the project area where vehicles will pass through. To prevent the car from getting stuck in the mud during rainy weather. 5) Maintain and improve the roads used for access during construction/demolition to ensure they are in good working condition at all times. If the road surface is found to be damaged or deteriorated, the contractor must promptly repair it to maintain a condition that allows for convenient and safe use. 6) Trucks transporting leftover soil from leveling within the area must be properly secured with tarpaulins, and a sign clearly stating the project name and contractor, along with contact telephone numbers, and all requirements for obtaining the necessary permits for soil filling, must be clearly stated. Before transporting soil, the truck wheels must be washed to prevent soil from being carried back onto the road. Failure to comply with these instructions by the landowner accepting the soil disposal site will result in the immediate cancellation of all soil disposal activities.			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	6. Concrete Plant Measures 1) Prepare the area for installing the concrete mixing plant and concrete mix storage with a hard surface pavement to facilitate the cleanup of fallen materials and prevent dust dispersion. 2) Construct walls around the concrete mix storage area on three sides, with windbreaks at least 0.5 meters high extending above the wall separating the materials. 3) Install a roof over the concrete mix storage area to prevent dust from spreading upwards. 4) Ensure that the concrete mix materials transported to the mixing plant are somewhat moist. 5) Install a water spray/fog cannon machine to capture airborne dust. 6) Regularly spray/water and sweep the floor around the concrete mixing plant. 7) Install a 2-meter high mesh sheet extending from the temporary construction fence of the project around the concrete plant area. No materials will be transported to the concrete plant outside of working hours.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	7. Monitoring and Inspection Measures 1) Air quality monitoring measures within the project shall be as follows: 1.1) Inspection shall be conducted in accordance with pollution control standards and methods. - Monitoring measure approximately at Dust / Particulate Matter size not exceeding 100 mic wait (TSP) and Dust / Particulate Matter size not exceeding 10 mic wait (PM10) inside project quantity 2 point(s) Daily that have construction foundation and report result inspect measure per Pathumwan District Office Every after from that inspect measure once per month 3 day continuous (total day substance at perform construction) by shall report result inspect measure per Pathumwan District Office once per month throughout the construction/demolish - Monitor measure gas outside site (CO) substance consisting of (HC) gas nitrogen out site (NO2) and gas out site (SO2) inside Project quantity 2 point(s) Monthly / 1 time(s) 3 day continuously (total day substance at perform construction) by	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person)

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	shall report result inspect measure per Pathumwan District Office once per month throughout the construction.			
	1.2) Measure the amount of particulate matter less than 2.5 micrometers (PM 2.5) and particulate matter less than 10 micrometers (PM 10) using real-time sensors (with an alarm function) at 4 points within the project area (4 corners of each direction). This will monitor particulate matter levels throughout the construction period and be used to manage and strengthen measures during periods of high particulate matter levels. The project will coordinate with the Bangkok Metropolitan Air Quality Information Center to disseminate the results of the PM 2.5 and PM 10 particulate matter measurements of the project. 1.3) Display the particulate matter measurement results at three locations in front of the project: Ploenchit Road, Witthayu Road, and Soi Somkid. These results will be disseminated via the project's website and the project's official LINE account for convenient public access. Details are as follows:	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(1) Results of PM 2.5 and PM 10 particulate matter measurements within the project area using real-time sensors. (2) Results of PM 2.5 (outside the project area) from the Pollution Control Department, at the Chulalongkorn Hospital station, Rama IV Road, Pathumwan District (results from the Air4Thai application). (3) Results of particulate matter less than 2.5 microns (PM2.5) measurements (outside the project area) from the Bangkok Metropolitan Environment Office at Lumpini Park Station, Pathumwan District (results from the AirBKK application).			
	2) Air quality monitoring shall be conducted at adjacent buildings as follows: **2.1) Monitoring according to the standard methods of the Department of Pollution Control.**	- New House Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	New House Condominium - Measure the amount of particulate matter less than 100 micrometers (TSP) and particulate matter less than 10 micrometers (PM10) within the New House Condominium building once a month for 3 consecutive days (including Saturdays when construction is taking place). Report the measurement results to the Pathumwan District Office once a month throughout the construction/demolition period. - Measure carbon monoxide (CO), hydrocarbon compounds (HC), nitrogen dioxide (NO2), and sulfur dioxide (SO2) within the New House Condominium building once a month for 3 consecutive days (including Saturdays when construction is taking place). Report the measurement results to the Pathumwan District Office once a month throughout the construction period.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Sivatel Building - Measure the amount of particulate matter less than 100 micrometers (TSP) and particulate matter less than 10 micrometers (PM10) on the 8th floor of the Sivatel building before the construction of the tower extension, to serve as a baseline for construction. The project will submit a letter requesting permission to install the monitoring equipment to Sivatel Building 30 days before construction begins. Sivatel Building will then consider granting permission within 15 days of receiving the letter. If permission is not granted or there is no response, the project will consider it as not wishing to implement this measure and will immediately cancel it. The project will then proceed with installing the monitoring equipment within the project area.	- Sivatel Building 8th floor	- Before construction	- Construction Engineer (Engineer Environment) at least 1 person
	Embassy of Switzerland - Measurements of particulate matter less than 100 micrometers (TSP), particulate matter less than 10 micrometers (PM10), carbon monoxide (CO), hydrocarbons (HC), nitrogen	- Embassy of Switzerland	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment)

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	dioxide (NO_2), and sulfur dioxide (SO_2) will be conducted within the Embassy of Switzerland area prior to the construction of the tower extension. The project will submit written requests for permission to install monitoring equipment to the New House Condominium, Sivatel Building, and the Embassy of Switzerland, along with a copy to the Pathumwan District Office, 30 days before construction begins. The aforementioned building/embassy is requested to provide its approval within 15 days of receipt of this letter. If permission is not granted or no response is given, the project will consider the building owner/embassy to be unwilling to comply with this measure and will consider it immediately canceled. The project will then proceed to install monitoring equipment according to the standard methods of the Department of Pollution Control on the East (near the Sivatel building and Embassy of Switzerland) and West (near the New House Condominium) fences instead.			at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2.2) Real-Time Sensor Measurement **(1) Sivatel Building, Embassy of Switzerland and New House Condominium** - Monitoring of PM2.5 and PM10 (particulate matter less than 2.5 micrometers in diameter) within the Sivatel building, the Embassy of Switzerland, and the New House Condominium. The project will submit a letter requesting permission to install the monitoring system to the Sivatel building, the Embassy of Switzerland, and the New House Condominium, along with a copy from the Pathumwan District Office, 30 days before construction begins. The building/embassy must consider and grant permission within 15 days of receiving the letter. If permission is not granted or there is no response, the project will consider that the building owner/embassy does not wish to proceed with this measure and will immediately cancel the measure. Instead, the project will install real-time sensors on the East (near the Sivatel building and the Embassy of Switzerland) and	- Sivatel Building - Embassy of Switzerland - New House Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	West (near the New House Condominium) sides of the project fence.			
	(2) Kids Home daycare center measures particulate matter less than 2.5 micrometers in diameter (PM2.5) and particulate matter less than 10 micrometers in diameter (PM10) within the Kids Home daycare center.	- Kids Home daycare	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person
	3) The air quality monitoring contractor must be certified and registered as a private analytical laboratory with the Department of Industrial Works, and the equipment/instruments used for measurement must be certified by a calibration laboratory according to standards and calibrated strictly according to the manufacturer's manual. A calibration report must also be included in every monitoring report. 4) Check the condition and operation of the Real-Time Sensor and the digital display screens at the front of the project at 3 locations: Ploenchit Road, Witthayu Road, and Soi Somkid, to ensure they are in normal working condition.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	5) Strictly control the construction of the project to ensure compliance with the measures specified in the Environmental Impact Assessment report, and submit a report on compliance with these measures to the relevant agencies and the Pathumwan District Office every six months, as per Section 51/5, first paragraph, of the National Environmental Quality Promotion and Preservation Act B.E. 2535 (amended by Act No. 2, B.E. 2561). Failure to submit the report is subject to a fine not exceeding one million baht. A checklist of reports must also be compiled and submitted monthly during the construction period. These reports must also be submitted to the permitting authority and published on the project's website and LINE Official Account to inform residents around the project area and encourage their participation in monitoring compliance with the various measures.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	6) The project is willing to install a temporary fence within the Embassy of Switzerland. The design and location of the temporary fence can be coordinated with the project by the Embassy of Switzerland.	- Embassy of Switzerland	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	8. Measures to mitigate the impact on people living near the project area. **1) Health** - In cases where individuals are affected by dust pollution from the construction project, and experience allergic reactions, rashes, or other irritations, affected individuals can apply for compensation for medical expenses. This requires attaching a medical certificate or medical document detailing the illness and the doctor's opinion on whether the symptoms are consistent with, or may be, related to exposure to dust or environmental irritants, along with supporting evidence such as the duration of symptoms and location of residence. The project will provide compensation based on medical information, along with data on construction activities and dust control measures, and the results of air quality monitoring by the project, to ensure fairness to all parties.	- Neighbouring houses/building	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2) Cleanness **2.1) New House Condominium** - The project is willing to clean the front of the New House Condominium building twice a year until construction is completed. - The project is willing to repaint the New House Condominium building after construction is completed. - The project is willing to clean the air conditioners in the New House Condominium building twice a year from the start of construction until the project is completed.	- New House Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons
	2.2) Sivatel Building - Swimming Pool: The project is pleased to arrange for daily cleaning of the swimming pool at the Sivatel building. The project will also cover the cost of replacing the pool filter as needed, from the start of construction until the exterior facade or glass facades of the building are completed. - Exterior Facades: The project will cover the cost of cleaning the exterior facade of the Sivatel building twice a year, from the start of construction until the exterior facade or glass facades of the building are completed.	- Sivatel Building	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Cooling System: The project will cover the cost of cleaning the condensing units (condensing units) of the office and hotel areas twice a year for the Sivatel building, from the start of construction until the exterior facade or glass facades of the building are completed. The basis for this compensation is based on standard building maintenance. However, if the Sivatel building has different maintenance schedules, please inform the project to discuss solutions together.			
	- Improvement of the area on the 8th floor of the Sivatel building (outdoor swimming pool and semi-outdoor dining area) by installing aluminum-framed glass walls with entrance doors in the original semi-outdoor dining area and installing vertical green space with a misting system to control dust and noise pollution along the building perimeter facing the project, in order to reduce the impact on dust, noise, aesthetics, and privacy. - Installation of air purifiers in the common areas within the Sivatel building.	- Sivatel Building	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	If the Sivatel building does not wish for compensation from the project and a mutual agreement cannot be reached or there is a conflict, the project will establish a process in accordance with the Dispute Resolution Act B.E. 2562 (2019), with Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. bearing all costs of the process. - Regarding business impact compensation, a working group will be established in conjunction with the Sivatel building management team to provide tangible solutions to the problem. If the Sivatel building does not wish for compensation from the project and a mutual agreement cannot be reached or there is a conflict, the project will establish a process in accordance with the Dispute Resolution Act B.E. 2562 (2019).			
	2.3) Embassy of Switzerland - The project is pleased to be responsible for cleaning the facade, windows, swimming pool, solar panels, and air conditioning system of the Embassy of Switzerland at least four times a year. throughout the construction period, including the tower	- Embassy of Switzerland	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager:

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	extension, and cleaning the windows after construction is completed.			at least 2 persons
	2.4) Somkid Gardens Condominium - Swimming Pool: The project will arrange for staff to clean the swimming pool of Somkid Gardens Condominium at least 4 times a year throughout the construction of the extension tower. - Exterior façade: The project will cover the cost of cleaning the exterior facade of Somkid Gardens Condominium once a year throughout the construction of the extension tower. - Air Conditioning System: The project will clean the air conditioning system in the common areas of Somkid Gardens Condominium twice a year (coordinated with the Somkid Gardens Condominium maintenance team to determine the schedule) from the start of construction until the exterior facade or glass facades of the project building are completed.	- Somkid Gardens Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons
	2.5) House No.39 - A five-story building.	- House No. 39	- Throughout the construction	- Construction Engineer

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Swimming Pool: The project will arrange for staff to clean the swimming pool at least once a year throughout the construction of the extension tower. - Exterior Walls: The project will cover the cost of cleaning the exterior facade at least once a year throughout the construction of the extension tower.			(Engineer Environment) at least 1 person - Project Manager: at least 2 persons
1.6 Noise Level	- **Environmental Impact Prevention and Mitigation Measures for THE CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** Speed bumps will be installed to control vehicle speed within the project and help reduce noise levels caused by vehicle movement	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team /Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the Impacts of the extension construction.** 1. A temporary wall constructed using C-channel steel and 9 mm thick gypsum board on both sides will be constructed between the construction area and the remaining open area of the original tower, ensuring public access. 50 mm thick Rockwool sound insulation will be installed, covering the floor-to-ceiling level of the connecting floor, to mitigate noise pollution. 2. A temporary green wall will be installed along the 9th floor (swimming pool level) on the North side of the original tower to further mitigate noise pollution.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Working hours are as follows: - Monday to Saturday, from 8:00 AM to 6:00 PM. Construction will stop at 5:00 PM, but after that time, cleanup and finishing work will continue until 6:00 PM. Construction workers must leave the project area before 6:00 PM. However, if there is continuous construction	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	activity exceeding these hours, such as foundation pouring (no more than 3 days per week), neighboring residents must be notified at least 7 days in advance, and permission must be obtained from the relevant authority. This must not exceed 8:00 PM. - Sundays and public holidays (as announced by the government but not exceeding 13 days/year) will have no work. In the case of special holidays, the project will comply with the notice issued by the Civil Engineering Department of the Pathumwan District Office regarding work closures. Furthermore, if the Sivatel building has any necessary special activities and does not require overtime work, the project can be notified to waive overtime work on those days. 1. The Sivatel building is requested to give at least 7 days' notice in advance so that the project can adjust the construction plan during that period in a timely manner. 2. The demolition of the residential marketing suite using a backhoe with a concrete breaker attachment at the building's foundation is to be carried out.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3. Use drilled piles for the construction of the tower extension, utilities, and roads, to prevent and minimize the impact on nearby residents. 4. Use spun piles for the construction of the residential marketing suite and the LPG gas tank building, to prevent and minimize the impact on nearby residents.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2: persons
	5. Sound barriers should be installed as follows: 1) From month 1 to 36 of construction, sound barriers should be installed: (1) A fixed sound barrier, consisting of a 0.4 mm thick metal sheet fence line with 50 mm thick Isonoise sound insulation (or equivalent or better material with an effectiveness of reducing noise levels by 29.15 dB(A)), 6 meters high, surrounding the project property boundary. This will reduce noise levels passing through the fence by 29.15 dB(A). (2) A movable sound barrier, consisting of a 0.4 mm thick metal sheet fence line with 50 mm thick Isonoise sound insulation (or equivalent or better material with an effectiveness of reducing noise levels by 29.15 dB(A)), 6 meters high, installed 2 meters away from the noise source and moved along with	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	the construction equipment that is the noise source. This will reduce noise levels passing through the fence by 29.15 dB(A).			
	2) Months 37-60 of construction: Sound barriers shall be provided. (1) Non-movable sound barriers shall consist of a 0.4 mm thick Metal Sheet fence line with 50 mm thick Isonoise sound insulation (or equivalent or better material, effectively reducing noise levels by 29.15 dB(A)), 6 meters high, surrounding the project property boundary, which will reduce noise levels passing through the fence by 29.15 dB(A). (2) Movable sound barriers shall consist of a 0.4 mm thick Metal Sheet fence line with 50 mm thick Isonoise sound insulation (or equivalent or better material, effectively reducing noise levels by 29.15 dB(A)), with a height covering the floor under construction. The barrier shall be placed one floor above the floor under construction and one floor below the floor under construction at the edge of the tower extension, moving upwards along with the floors under construction. It can	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	reduce sound transmission by 29.15 dB(A) around the tower extension area on all sides. 3) Interior and exterior finishing activities, which were carried out after the exterior glazing of the tower extension was completed. The glazing can reduce sound transmission by 22 dB(A).			
	6. Specific transport times apply for 6-wheel and 10-wheel trucks: Outside of peak hours and when local police permit trucks to enter the project area, transport trucks may park. However, at night, the project will allow trucks to park within the project area, but no loading or unloading will be permitted, to avoid noise disturbance to neighboring residents.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	7. Create a daily logbook detailing the type of machinery/equipment used, quantity, capacity, and usage duration for each day, as well as the activities performed during each period. This information can be used for retrospective audits, etc.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	8. If the noise level measurements using the Pollution Control Department's standards exceed the standard value, the project's environmental engineer will review the Logbook data to analyze the	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment)

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	relationship between noise levels and the type and number of machinery, as well as the activities carried out during that period. 9. Based on the analysis results from point 8, the project will use this information to adjust the plan and reduce construction activities in the next phase to prevent the noise level from exceeding the standard value again. This will be done as follows: 9.1) Select construction tools, equipment, and methods that generate the least amount of noise. 9.2) Clearly plan the daily use of machinery. A work plan must be prepared in advance and approved by the supervising engineer before commencing each day's work. 9.3) Reduce the simultaneous use of multiple machines and minimize their operation in close proximity. For example: (1) During months 1-13 of construction, allocate the following machinery for simultaneous use: 4 drilling rigs, 2 crawler tractors, 1 excavator, 1 generator, 1 concrete mixer, and 1 ready-mix concrete truck.			at least 1 person - Project Manager: at least 2 persons

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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(2) During months 13-36 of construction, the following machinery shall be used concurrently: 1 water pump, 1 concrete mixer, 2 concrete vibrators, 2 excavators, 3 dump trucks, and 4 ready-mix concrete trucks. (3) During months 37-60 of construction, the following machinery shall be used concurrently: 1 crane truck, 1 tower crane, 1 bulldozer, 1 soil compactor, 1 concrete pump, 1 water pump, 1 concrete mixer, 1 concrete vibrator, 1 ready-mix concrete truck, 2 rebar cutting and bending machines, and 1 excavator with a concrete breaker attachment.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons
	10. When transporting construction materials into the project area, the contractor must be instructed to carry out the transportation correctly according to proper procedures, ensuring that no noise disturbance occurs to nearby residents. For example, throwing reinforcing steel bars onto the ground is prohibited. 11. Control construction workers to prevent them from making noise that disturbs nearby residents. 12. Hire construction contractors and construction management companies with a good track record, and ensure they strictly adhere	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	to the measures specified in the Environmental Impact Assessment report.			
	13. Environmental Impact Monitoring Measures 1) Noise level measurements will be conducted within the project area as follows: 1.1) Measurement according to the standard methods of the Pollution Control Department: - Average noise level (Leq) 24 hours, maximum noise level (Lmax), noise level without disturbance, and baseline noise levels will be measured daily within the construction area during foundation and piling construction, and the measurement results will be reported to the Pathumwan District Office weekly. For other construction activities, measurements will be taken once a week for 24 hours each time, and the measurement results will be reported to the Pathumwan District Office weekly. 1.2) Real-Time Sensor Measurement: 1.2.1) Measurement of real-time noise levels daily throughout the construction period.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1.2.2) Establish a pollution monitoring level (Warning Level) to effectively control and prevent noise impacts. In cases where the real-time noise level from the Real-Time Sensor is close to or exceeds the threshold, the following warning system will be implemented: (1) An alert system will be provided. If the noise level at that time exceeds 70 dB(A), the supervising engineer for construction/demolition work should check the daily machinery/equipment logbook, which will specify the type of machinery/equipment used, its quantity, power, and usage duration within 70 minutes. This is to prepare for potential warning signals and to identify which machinery/equipment is generating the noise, allowing the supervisor to adjust work methods and machinery to minimize the impact.			
	(2) Implement an alert system. If the noise level exceeds 73 dB(A), the supervising engineer shall notify all relevant parties to monitor the noise-generating work and improve work methods to reduce the noise level within 30 minutes. (2.1) When the Real-Time Sensor detects a noise level of 73 dB(A), an alert signal will be emitted.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(2.2) An observer will see the alert signal light. (2.3) The observer will notify the construction supervisor. (2.4) The construction supervisor will be notified to monitor, investigate the cause of the noise-generating work, the machinery used, and improve work methods within 30 minutes. (3) Implement an alert system. If the noise level exceeds 77 dB(A), the supervising engineer shall order the cessation of all noise-generating activities and machinery within 10 minutes.			
	3.1) The real-time noise level measurements taken within the project area using real-time sensors are displayed on digital screens at three locations in front of the project: along Ploenchit Road, Witthayu Road, and Soi Somkid. This information is also disseminated via the project's website and a dedicated LINE Official Account for convenient public access.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2) Conduct noise level measurements at adjacent buildings as follows: **2.1) Measurements according to the standard methods of the Department of Pollution Control:** **New House Condominium** - Measure the average noise level (Leq) over 24 hours, the maximum noise level (Lmax), the noise level during periods of no disturbance, and the Baseline noise level within the New House Condominium building. Measurements shall be taken once a month for 3 consecutive days (including Saturdays when construction/demolition is taking place). The measurement results shall be reported to the Pathumwan District Office once a month throughout the construction period.	- New House Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person
	Sivatel Building - Install sound monitoring equipment on the 8th floor of the Sivatel building prior to the construction of the tower extension, to provide Baseline data before construction begins.	- Sivatel Building	- Before construction	- Construction Engineer (Engineer Environment) at least 1 person

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	The project will submit a letter requesting permission to install the equipment to the New House Condominium and Sivatel building, along with a copy from the Pathumwan District Office, 30 days before construction commences. Sivatel building must consider granting permission within 15 days of receiving the letter. If permission is not granted or there is no response, the project will consider that the building owner does not wish to comply with this measure and will immediately cancel the measure. The project will then install sound monitoring equipment according to the standard methods of the Department of Pollution Control on the project's east (near Sivatel building) and west (near New House Condominium) fences instead.			
	2.2) Real-Time Sensor Measurement **(1) Sivatel Building , Embassy of Switzerland , New House Condominium**	- Sivatel Building - Embassy of Switzerland - New House Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment)

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Real-time noise level measurements will be taken using sensors inside the Sivatel building (Embassy of Switzerland) and the New House Condominium. The project will submit written requests for installation permission to the Sivatel building (Embassy of Switzerland) and the New House Condominium, along with a copy from the Pathumwan District Office, 30 days before construction begins. The building/embassy will then consider and grant permission within 15 days of receiving the letter. If permission is not granted or there is no response, the project will consider that the building owner/embassy does not wish to proceed with this measure and will immediately cancel the measure. The project will then install real-time sensors on the East (near the Sivatel building and the Embassy of Switzerland) and West (near the New House Condominium) sides of the project fence instead.			at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(2) Kids Home daycare measures the noise level at that moment using a real-time sensor inside the Kids Home daycare center.	- Kids Home daycare	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person
	14. The contracted sound measurement company must be certified and registered as a private analytical laboratory with the Department of Industrial Works, and the equipment/instruments used for measurements must be certified to calibration standards and calibrated strictly according to the manufacturer's manual. A calibration report must also be included in every monitoring report. 15. Check the condition and functionality of the measuring instruments and displays to ensure they are in normal working condition. 16. Check the condition of the sound barriers, including the metal sheet fence surrounding the project area and the metal sheet sound barriers installed along the edges of the tower extension, to ensure they are in good condition and not damaged. If any damage is found, it must be repaired or replaced immediately.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
1.7 Vibration	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** Install speed bumps to control vehicle speed within the project area.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.** Guests staying at Park Hyatt Bangkok, located in the CENTRAL EMBASSY PARK TOWER (ORIGINAL), are required to be informed of the construction of the CENTRAL EMBASSY TOWER (EXTENSION), which may cause vibrations as a condition for receiving services.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	- **Environmental Impact Prevention and Mitigation Measures for CENTRAL EMBASSY TOWER (EXTENSION) (Regarding impacts from construction activities within the extension area)** 1. Before commencing construction of the tower extension, the project must proceed as follows:	- Neighbouring houses/building	- Before construction	- Construction Engineer (Civil Engineer) at least 3 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1.1 Notify neighboring residents by submitting a written request for permission to photograph the condition of their fences, walls, and buildings. If permission is not granted, the neighboring homeowners/building owners must submit the photographs to the project within 1 month of receiving the written request. Then, prepare a document for each party to keep a copy before the building's piling work begins. This document will serve as a reference for determining responsibility for compensation/repairs to restore the building to its original condition should cracks or other damage occur due to the project. Provide the contact telephone number of the construction supervision officer for direct communication with the project.			- Project Manager: at least 2 persons
	1.2 An inspector will be assigned to the Embassy of Switzerland, comprising a project representative, a representative from the Embassy, and a mid-level or tripartite representative, to take detailed photographs of the fences, walls, and buildings within the Embassy of Switzerland grounds. This photographic record will serve as a reference for determining responsibility for	- Embassy of Switzerland	- Before construction	- Construction Engineer (Civil Engineer) at least 3 persons - Project Manager:

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	compensation/repairs to restore the building to its original condition should cracks or other damage occur due to the project. The project has allowed the Embassy to choose the company responsible for the inspection (to be carried out approximately one month before the start of construction of the tower extension).			at least 2 persons
	2. The demolition of the residential marketing suite will be carried out using a backhoe with a concrete breaker at the foundation. 3. Bored piles will be used in the construction of the extension tower to prevent and minimize the impact on nearby residents. 4. Spun piles will be used in the construction of the residential marketing suite and the LPG gas tank building to prevent and minimize the impact on nearby residents. 5. Steel platforms will be installed to reduce vibration from vehicle traffic within the project area due to uneven ground levels. 6. An engineer will closely supervise the construction and ensure it adheres to engineering principles, minimizing the impact on surrounding areas.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	7. Install vibration monitoring equipment on the 8th floor of the Sivatel building prior to the construction of the extension tower. This will serve as a Baseline for pre-construction data collection. Report the measurement results to the Sivatel building and the Pathumwan District Office prior to the construction of the extension tower.The project will submit a letter requesting permission to install the equipment at the Sivatel building 30 days before construction begins. The Sivatel building will then consider granting permission within 15 days of receiving the letter. If permission is not granted or there is no response, the project will consider this measure as unwilling to be implemented and will immediately cancel it.The project will then proceed with the installation of monitoring equipment within the project area.	- Sivatel Building at 8th floor	- Before construction	- Construction Engineer (Engineer Environment) at least 1 person
	8. Vibration monitoring shall be conducted at two locations within the project area: - Within the project area south of the tower extension adjacent to the CENTRAL EMBASSY PARK TOWER (ORIGINAL). - Within the project area North of or near Nai Lert Park (an unregistered historical building).	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	A vibration monitoring device shall be used to measure the peak particle velocity (PPV) and frequency of vibrations generated during foundation construction daily, and the results shall be reported to the Pathumwan District Office weekly. Subsequently, monitoring shall be conducted once a week (continuously for 24 hours), with the results reported to the Pathumwan District Office monthly for the duration of construction. The vibration monitoring method and the obtained values must comply with the Environmental Board Announcement No. 37 (2010) specifying vibration standards. To prevent impacts on the building: 9. Install real-time vibration monitoring sensors at two locations within the project area: within the project area South of the tower extension adjacent to the CENTRAL EMBASSY PARK TOWER (ORIGINAL), and within the project area North of or near Nai Lert Park (an unregistered historical building). 10. Display the vibration measurement results from the Peak Particle Velocity (PPV) meter and the real-time sensor results on digital display screens at three locations in front of the project: along Ploenchit Road, Witthayu Road, and Soi Somkid, and publish them on the			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	project's website and LINE Official Account for convenient public access.			
	11. Establish a warning level. If the vibration level detected by the real-time sensor reaches 90% of the standard value, which is 4.5 mm/s (the standard value is no more than 5 mm/s), the supervising engineer will notify all relevant parties to consider improving construction methods, procedures, or reducing machinery use, such as avoiding the use of heavy machinery in the same area or at the same time. 12. The environmental engineer must review the daily machinery/equipment logbook and adjust operational activities for the following workday, such as: 1) Selecting tools, equipment, and construction methods that generate the least vibration. 2) Clearly planning the daily machinery usage, with a plan prepared in advance and approved by the supervising engineer before commencing each day's operations.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	13. The vibration measurement company hired must be certified and registered as a private analytical laboratory with the Department of Industrial Works, and the equipment/instruments used for measurement must be certified to calibration laboratory standards and calibrated strictly according to the manufacturer's manual. A calibration report must also be included in every monitoring report.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
2. Environmental Resources Biological Resources 2.1 Resources Environmental Terrestrial biological resources	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for CENTRAL EMBASSY TOWER (EXTENSION) (Regarding impacts from construction activities within the extension area)**	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1. Strictly implement measures to prevent and mitigate impacts on physical environmental resources, including air quality, noise, vibration, soil resources, water quality, and human use, to avoid negative impacts on the biological environment. 2. Restrict construction contractors, officers, and workers from engaging in any activities that may endanger or threaten wildlife within and near the project area. 3. Strictly prohibit employees or workers from catching wild animals within and near the project area. 4. Conduct a thorough survey of the area, especially areas that are habitats and foraging grounds for wildlife, such as areas with trees and shrubs, to identify and facilitate the natural and safe relocation of any remaining or foraging wildlife from the construction site. In cases of wildlife that has not yet been relocated, is injured, or poses a danger, notify the Department of National Parks, Wildlife and Plant Conservation or the Wildlife Protection Hotline at 1362 so that officials can assist in relocating the wildlife from the construction area.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
2.2 Resources Environment Biological resources in water	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. A prefabricated aeration activated sludge (A/S) wastewater treatment tank will be installed, designed to handle 70 cubic meters of wastewater per day, which is sufficient for the wastewater generated by construction workers. This treatment system can reduce the BOD (Biochemical Oxygen Demand) of the effluent to no more than 20 milligrams per liter.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2. Control the quality of treated wastewater to meet the standards stipulated in the Ministry of Natural Resources and Environment's announcement regarding standards for controlling wastewater discharge from certain types and sizes of buildings (2024), published in the Royal Gazette, Volume 141, Special Section 233, dated August 27, 2024.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person
3. The value of human utilization **3.1 Water use**	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. Water reserves will be arranged as follows: 1.1) Commercial Section - Two underground water tanks (connected) located on the 5th floor, with a total capacity of 1,398 cubic meters. This includes 1,001 cubic meters for domestic use and 397 cubic meters for firefighting. - Two water tanks located on the 7th floor, with a total capacity of 230 cubic meters, reserved for all domestic use.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1.2) Hotel Section - Two underground water tanks (connected) with a total capacity of 240 cubic meters, reserved for all domestic use. - Two water tanks located on the 7th floor, with a total capacity of 364 cubic meters, reserved for all domestic use. And one reserve water tank for firefighting, with a total capacity of 241 cubic meters. - Water tank on the 37th floor, with a total capacity of 80 cubic meters, reserved for all consumption and general use.			
	2. Receive tap water from the Metropolitan Waterworks Authority's water supply pipes and store it in underground water tanks in each section of the project, using a 6-inch diameter water pipe system. 3. Install an internal pumping system within the project to distribute water without directly drawing from the main water supply pipes, and control water distribution using a timer system that schedules pumping between 24:00 and 05:00, outside the peak water usage period for nearby residents. 4. Assign personnel to regularly maintain the water piping system in good condition.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	5. Encourage users and employees to use water sparingly. 6. Implement adjustments to the overflow pipes or water level control system to ensure that the capacity of the reserve water tanks meets the specifications outline in the detail modification report as per the Environmental Impact Assessment (EIA) notification letter No. TS.1009.5/9088 dated December 14, 2010.			
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area:** 1. Provide a water reserve of 6 tanks with a total capacity of 90 cubic meters (15 cubic meters per tank) for consumption (sufficient for at least one day). 2. Instruct workers to use water sparingly.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3. Inspect the water piping system and water tanks once a week throughout the construction/demolition period. Immediate repairs will be made if any leaks are found.			
3.2 Wastewater and Sewage Treatment **3.2.1 Construction Site**	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. Implement preliminary wastewater treatment. Wastewater that has undergone preliminary treatment will be collected and processed in the Phase 1 integrated wastewater treatment system (Din Daeng) to achieve effluent quality that meets standards. 2. Assign qualified and skilled personnel to maintain and control the project's wastewater treatment system to ensure its continuous and efficient operation. 3. Regularly remove grease from the grease traps weekly.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4. Install a dedicated electricity meter for the project's wastewater treatment system, separate from other electrical systems, to allow for monitoring and ensure the system's continuous operation throughout its lifespan. 5. Hire a wastewater treatment system expert to inspect, improve, and repair the project's wastewater treatment system, including the grease trap system, to ensure its efficiency and compliance with legal standards.			
	6. Enhance the rigor of wastewater treatment system maintenance, including the regular addition of microorganisms, periodic sludge removal, and continuous monitoring of the aeration system's efficiency. Regularly monitor effluent quality to assess system performance. If effluent quality falls below the required standards, the project will immediately implement system improvements or additional related measures.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Provide 34 toilet/bathroom facilities and washbasins for male and female workers, and field office staff, located on the east and West sides of the project, in accordance with Ministerial Regulation No. 63 (2008) issued under the Building Control Act B.E. 2522 (1979). Details are as follows: (1) For construction workers and construction office staff (male): - 24 toilets - 24 urinals - 24 washbasins	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Safety Officer at least 2 persons - Project Manager: at least 2 persons
	(2) For construction workers and female construction office staff, details are as follows: - 10 toilets - 7 sinks	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Safety Officers at least 2 persons - Project Manager

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2. Provide a prefabricated aeration activated sludge process (A/S) wastewater treatment tank designed to handle 70 cubic meters of wastewater per day. This tank can adequately handle wastewater generated by construction workers and field office staff. The treatment tank can reduce the BOD value in effluent to no more than 20 milligrams per liter. 3. If the toilet area for construction workers in the project causes odor nuisance, the project must provide methods or biological agents to help eliminate the odor. 4. Provide disinfectants and deodorizers for cleaning the workers' toilets. 5. Assign workers to clean the toilets at least twice a day and ensure the wastewater treatment system operates efficiently. 6. Check for water leaks from the toilets and specify the person responsible for inspection. To keep the restrooms clean and free from odors that may disturb nearby residents: 7. Coordinate with government agencies or private companies authorized by the Pathumwan District Office to regularly pump out excess sludge from the wastewater treatment system every 1 month.			at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	After pumping out the excess sludge from the wastewater treatment system, arrange for staff to clean the area.			
	8. The contractor is required to dismantle the installed prefabricated wastewater treatment tank. Before dismantling, the Pathumwan District Office must coordinate with a sewage suction truck to remove all sludge from the tank. The prefabricated wastewater treatment tank must then be cleaned by filling it with water and pumping it out several times before dismantling. The following management Guidelines apply: (1) If the wastewater treatment tank can be removed without damage, it will be reused by other agencies. (2) If the wastewater treatment tank is damaged during removal and cannot be reused, the project will coordinate with a private company licensed by the Department of Industrial Works to dispose of it.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Safety Officer at least 2 persons - Project Manager at least 2 persons
	9. Monitoring measures for wastewater quality from prefabricated wastewater treatment tanks must be implemented monthly throughout the construction/demolition period. The following wastewater quality indicators must be used: pH, BOD, Total	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment)

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Suspended Solids, Total Dissolved Solids, Sulfide, TKN, and Oil & Grease.			at least 1 person
3.2.2 Staff Housing (External Project)	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Provide four prefabricated aeration activated sludge treatment tanks (A/S) designed to handle 70 cubic meters of wastewater per day per tank, for a total capacity of 280 cubic meters per day. This is sufficient to handle the wastewater generated from the construction workers' housing	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Safety officer: at least 2 persons - Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	before it is discharged into the public drainage system outside the construction workers' housing area. 2. Provide disinfectants and deodorizers for cleaning the workers' restrooms. 3. If the restroom area for construction workers in the project generates odor nuisance, the project must provide methods or biological chemicals to help eliminate the odor.			
	4. Provide toilet/bathroom facilities and handwashing sinks for male and female workers at the construction workers' accommodation area, with the following details: - Men's toilets: 21 rooms (no less than 21), men's restrooms: 21 rooms (no less than 21), and men's handwashing sinks: 19 sinks (no less than 19 sinks). - Women's toilets: 7 rooms (no less than 7 rooms), women's restrooms: 7 rooms (no less than 7 rooms), and women's handwashing sinks: 5 sinks (no less than 5 sinks).	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Safety officer: at least 2 persons - Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
3.3 Drainage and Flood Prevention	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. A water retention pond with a capacity of 126 cubic meters will be constructed, capable of adequately retaining the volume of water (floodwater in the area). The project will install two pumps per pond (one for active use and one as a backup), each with a pumping rate of 2.7 cubic meters per minute (0.045 cubic meters per second). The total drainage rate from the project will be 0.09 cubic meters per second, which will not exceed the drainage rate before project development. 2. Regularly inspect and maintain the drainage system's manholes every month to prevent the accumulation of sediment that can cause blockages and hinder drainage.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Install concrete drainage channels around the project area. At the end of the temporary drainage channel, there will be a sediment trap to allow sediment, rocks, gravel, and sand carried by rainwater to settle. The water will then drain into the drainage pipes along Witthayu Road, and from there, it will flow North through the drainage pipes into Khlong Saen Saep canal. 2. Install three water pumps with a pumping rate of 0.0575 cubic meters/second, a pressure of 8 meters, and a power of 7.5 kilowatts (two in operation, one as a backup), for a total drainage rate of 0.115 cubic meters/second. These pumps will drain water from underground into the drainage channels surrounding the construction area. 3. Control the drainage rate by limiting the size of the drainage pipes. The drainage pipe has a diameter of 0.40 meters and a slope of 1:200. Five water pumps are installed (four in operation, one as a backup). Each pump has a pumping rate of 0.0875 cubic meters per	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	second, a pressure of 6 meters, and a power consumption of 11 kilowatts. Therefore, all water will be drained at a total rate of 0.35 cubic meters per second before being discharged into the drainage pipes along Witthayu Road. From there, the water will flow North through the drainage pipes to drain into Khlong Saen Saep canal.			
	4. Coordinate with the Pathumwan District Office to dredge the drainage pipes along Witthayu Road, along the entire project area, once a year (before the rainy season) to ensure smooth water drainage. 5. Regularly check and dredge the sediment accumulated in the drainage channels and sediment traps every month throughout the construction/demolition period. 6. Assign staff to sweep up fallen soil and sand in front of the project and in nearby areas. In case of wet soil debris, it must be cleaned up immediately by spraying water and sweeping the surface clean. 7. Assign staff to collect fallen leaves within the project area and outside the project area to prevent leaves from clogging the drainage pipes.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	8. Implement measures to prevent problems related to groundwater pressure that may cause groundwater explosions as follows: 8.1 At every excavation depth, prepare two pumping wells, 4.70 meters wide, 5.00 meters long, and 1.50 meters deep. 8.2 Provide three water pumps with a pumping rate of 0.0575 cubic meters/second, a pressure of 8 meters, and a power of 7.5 kilowatts (two in operation and one as a backup). The total drainage rate will be 0.115 cubic meters/second from the pumping wells, draining groundwater into drainage channels around the construction area. 8.3 Design the lowest basic structure with an anti-buoyancy slab and design the reinforcement to withstand uplift forces.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons
	8.4 A PVC water stop shall be installed between the diaphragm wall joints in each panel to ensure the diaphragm is as watertight as possible.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
3.4 Waste management	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. Provide 20-100 liter trash bins distributed throughout the area as appropriate. Staff will be assigned to maintain Cleanliness at all times and collect trash immediately when full.Trash should be separated into different types, placed in black bags, sealed tightly, and labeled with the type of waste before being taken to the designated waste disposal room in the commercial area. 2. Provide two 8-10 liter trash bins inside each guest room and bathroom. For other areas, the project will provide 20-100 liter trash bins. Daily, staff will clean and collect the waste and take it to the hotel's designated waste disposal room. 3. Implement waste sorting according to the waste management practices of other currently operating Central Department Store branches, which utilize a Recycle program.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4. Regularly collect waste. Each bag will be approximately three-quarters full. 5. Before collecting waste from various points to the designated waste storage rooms, the project will tightly tie the bags to prevent scattering and facilitate transportation. Currently, the waste storage room in the shopping mall area is being renovated. 6. Separate waste storage rooms are provided for dry and wet waste to accommodate the project's waste volume. There is also an area for waste sorting, with sufficient capacity to handle the amount of waste. Currently, the waste storage room in the shopping mall area is being renovated. 7. Housekeeping staff will regularly clean the waste storage rooms, and air conditioning will be installed to prevent the growth of germs. 8. Staff will be instructed to keep the waste storage room doors tightly closed to prevent odors from disturbing residents and the surrounding community. Doors should only be opened during waste collection.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	9. Water collection pipes from cleaning the waste storage rooms will be installed on the floor of each designated waste storage area to collect water for the wastewater treatment system of each area. 10. Staff will be assigned to maintain Cleanliness around the waste bins and storage rooms. Waste Management for each section of the project. 11. Coordinate with the Pathumwan District Office for waste collection, ensuring regular daily collection of waste from the project without any backlog. 12. Coordinate with recycling companies to directly purchase recyclable waste.			
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.**			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1. Measures for Managing Construction Waste from the Tower Extension 1) Install a 6-meter-high metal sheet fence around the perimeter of the project land and a 2-meter-high dust-proof mesh tarp on top of the metal sheet fence around the tower extension construction area and the concrete plant. This will clearly demarcate the project area, help to block out visual pollution, and control noise and dust generated within the construction area. Install signs prohibiting unauthorized access to the construction/demolition area. Also, install vinyl signs, such as images of trees or nature, to improve the aesthetic appeal for passersby of the project area. 2) Install a water misting system on the metal sheet fence around the project, only on the top of the fence structure inside, and operate the water misting system continuously during construction activities that generate dust. This operation will continue until the landscaping work is completed, at which point the water misting will be stopped. This is to trap the amount of dust that may spread to nearby communities during construction CENTRAL EMBASSY TOWER (EXTENSION)	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3) The waste that the On Nut waste disposal center will dispose of includes concrete, totaling 5,643.24 tons. This concrete will be sent to the contractor for processing and recycling at the construction waste disposal and processing center located within the On Nut waste disposal center. Details are as follows: (3.1) The project manager will instruct the contractor to dispose of the concrete waste at the construction waste disposal and processing center located within the On Nut waste disposal center, and to record the quantity of waste disposed of and retain proof of payment for waste collection by the On Nut waste disposal center. (3.2) The project manager will supervise the contractor in disposing of the concrete waste at the On Nut waste disposal center. (3.3) The project must attach documentation proving payment of waste collection fees to the disposal center. The waste from On Nut is included in the monthly environmental impact prevention and mitigation and environmental	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	impact monitoring reports submitted to the Pathumwan District Office. 4) Waste sent to the disposal company includes ceiling panels, packaging scraps, aluminum, glass/mirror, and other items, totaling 4,404.48 tons. The project will designate the contractor as responsible for sending the waste for disposal to a designated company. For example, Go Green Waste Management Co., Ltd. Details are as follows: (4.1) The project manager instructs the contractor to take ceiling panels, packaging scraps, aluminum, glass/mirror, and other items that the center does not accept for disposal to a designated company, such as Go Green Waste Management Co., Ltd., and to record the quantity of waste disposed of and keep evidence of payment for collection services from the disposal company.			
	(4.2) The project manager will ensure that contractors dispose of ceiling panels, packaging waste, aluminum, glass/mirror, and other materials that the center does not accept for	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	disposal at a designated disposal company, such as Go Green Waste Management Co., Ltd. (4.3) The project must attach documentation proving payment of collection fees to the disposal company in the monthly Environmental Impact Assessment (EIA) compliance and monitoring reports submitted to the Pathumwan District Office. 5) Recyclable waste, including sand, totaling 412.92 tons, will be reused by the contractor for other appropriate purposes. 6) Valuable waste, including iron, wood, and plastic, totaling 3,303.36 tons, will be collected and sold to recycling centers. 7) A designated area for storing construction waste awaiting management will be established at one location on the east side of the project area, with an area of 50 square meters, 5 meters wide, 10 meters long, and a maximum height of 2 meters, and at least 23.00 meters from the nearest property boundary. 8) No construction waste shall be piled or stored in this area. or leftover materials that have been left at the construction site for			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	an extended period, by arranging for trucks to pick them up and dispose of them. 9) Plan the stockpiling of materials in the construction area to be only as necessary.			
	10) Do not dump construction waste in public areas or places that may affect residents in the vicinity. 11) Piles of materials awaiting removal will be covered with plastic tarpaulins to prevent dust from spreading. 12) Regularly transport construction waste out of the project area. The waste will be sent to a disposal company. A backhoe will be used to load the waste onto trucks for transport. The tarpaulins will be used to cover the waste completely to prevent it from falling onto the roads used for transport. The wheels of trucks entering and exiting the project area will be cleaned to prevent dust and mud from sticking to the wheels. 13) Transport construction waste during the times permitted by local police for trucks to enter the project area. 14) Control the weight of trucks and instruct truck drivers to comply with the Road Traffic Act and drive with extra caution.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2. Measures for managing waste materials from construction/demolition of the residential marketing suite of a project. 1) Install a 6-meter high metal sheet fence around the perimeter of the project land and a 2-meter high dust-proof mesh tarp on top of the metal sheet fence around the tower extension construction area. This will clearly demarcate the project area, help to block out visual pollution, and contain noise and dust generated within the construction site. Install signs prohibiting unauthorized access to the construction/demolition area. Additionally, install vinyl signs, such as images of trees or nature, to enhance the visual appeal for passersby around the project area.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons
	2) Designate one area for storing demolition waste awaiting management. This area will be located west of the demolished residential marketing suite building, measuring 200 square meters. It will be 20 meters wide, 10 meters long, and not exceeding 2 meters in height, and at least 2 meters away from the nearest property boundary.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3) During demolition and waste removal, water mist will be continuously sprayed to reduce dust. 4) The waste to be disposed of at the On Nut waste disposal center includes concrete waste, totaling 932.614 tons. The contractor is required to send this waste for processing and recycling at the construction waste disposal and processing center located at the On Nut waste disposal center. Details are as follows:			
	(4.1) The project manager instructs the contractor to dispose of concrete debris at the construction waste disposal and processing center located at the On Nut waste disposal center, and to record the quantity of waste disposed of and retain proof of payment for waste collection from the On Nut waste disposal center. (4.2) The project manager supervises the contractor to dispose of concrete debris at the On Nut waste disposal center. (4.3) The project must attach proof of payment for waste collection from the On Nut waste disposal center in the monthly Environmental Impact Assessment (EIA) implementation and	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	monitoring reports submitted to the Pathum Wan District Office. 5) Waste sent to a disposal company includes glass/mirror, totaling 17.935 tons. The project will assign the contractor responsibility for sending the waste to a disposal company, such as Go Green Waste Management Co., Ltd., as follows: (5.1) The project manager instructs the contractor to dispose of ceiling panels, packaging waste, aluminum, glass/mirror, and other materials not accepted by the center at a disposal company, such as Go Green Waste Management Co., Ltd., and to record the quantity of waste disposed of. and keep proof of payment for the disposal fee of the disposal company. (5.2) The project manager controls the contractor to take ceiling panels, packaging waste, aluminum, glass/mirror, and other materials that the center does not accept for disposal to a disposal company, such as Go Green Waste Management Co., Ltd., etc..			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(5.3) The project must attach proof of payment for waste collection services from the waste disposal company in the monthly Environmental Impact Assessment (EIA) and Environmental Impact Monitoring (EIA) reports submitted to the Pathumwan District Office. 6) Valuable waste, including iron and wood, totaling 186.522 tons, will be collected and sold to scrap metal dealers. 7) The area where demolition waste is piled must be covered with plastic to ensure it is completely sealed. 8) Construction waste must not be dumped in public areas or locations that may affect residents in the vicinity. 9) Demolition waste must be regularly removed from the project area. It will be sent to a waste disposal company, using a backhoe to load it onto trucks for transport. The waste will be covered with tarpaulins to prevent it from falling off. This is to prevent waste from falling onto the roads used for transport, and the wheels of trucks entering and exiting the project area will be cleaned to prevent dust and mud from sticking to the wheels.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	10) The weight of trucks must be controlled, and truck drivers must be instructed to comply with the Road Traffic Act. And drive with extra caution. 11) Transport construction waste during the times when local police officers allow trucks to pass through the project area.			
	3. Waste from Workers' Activities (at the Construction Site) 1) The contractor is required to provide waste bins within the construction site, capable of holding waste for at least 3 days. A total of 52 waste bins with a capacity of 240 liters each will be provided, consisting of: 7 general waste bins, 10 biodegradable waste bins, 33 recyclable waste bins, 1 hazardous waste bin, and 1 infectious waste bin (for face masks). These will be placed within the construction site for collection and disposal by the Pathumwan District Office's waste collection trucks. 2) Workers are strictly instructed to separate waste and dispose of it in the provided containers. 3) Staff will be assigned to inspect the cleanliness of the waste bin area and storage area at least once a week, and employees are	- CENTRAL EMBASSY (Extension)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	instructed to strictly adhere to hygiene standards to prevent odors, insects, and disease-carrying animals from disturbing neighboring residents. 4) If the project's waste storage area causes odor nuisance, appropriate action will be taken. The project must provide methods or biological agents to help eliminate odors. 5) Control the presence of disease-carrying animals in the project area; if found, they must be eliminated immediately. 6) Establish pest management and control procedures every two weeks.			
3.5 Energy and Electricity	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1. Install electrical transformers as follows: - Commercial area: Install 6 units of 2,000 KVA dry-type transformers and 2 units of 1,600 KVA dry-type transformers, along with 2 emergency generators of 1,100 KVA and a 22V battery. - Hotel area: Install 2 units of 2,000 KVA dry-type transformers and 1 emergency generator of 1,100 KVA, along with a 12V battery. 2. Promote electricity conservation among guests and staff.			
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Install a temporary transformer. The project will coordinate with the Metropolitan Electricity Authority, Khlong Toei District, and will request a connection to the high-voltage transformer located along Witthayu Road. 2. Instruct workers to use electricity sparingly.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3. Regularly inspect electrical wiring and equipment to ensure they are in good working condition and repair any damage immediately throughout the construction/demolition period. 4. Ensure that the building construction complies with the energy-efficient building design as stipulated in the Ministerial Regulation specifying the types and sizes of buildings, and the standards, criteria, and methods for energy-efficient building design B.E. 2563 (2020).			
3.6 Traffic	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. Install clear traffic signs both on the road surface and in various locations around the project area to avoid confusion for drivers, ensuring smooth and safe vehicle movement within the project and at its entrances and exits. 2. Coordinate with relevant agencies to paint yellow diagonal lines at the entrance and exit on Ploenchit Road to facilitate quick and easy access to and from the project, and to avoid unnecessarily obstructing traffic on Ploenchit Road.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3. Assign security personnel to assist visitors at both entrances and exits at all times to avoid obstructing traffic flow on Ploenchit Road and Witthayu Road, prioritizing convenient and quick vehicle access to the project. 4. Promote and encourage the use of public transportation, especially the BTS Skytrain, to project visitors to help reduce traffic volume on the main roads around the project. The project will connect its entrance and exit to the BTS Ploenchit Station on the 2nd floor, on the Southeast side. 5. Construct pedestrian access ramps connecting to the BTS Ploenchit Station within the project area to avoid obstructing pedestrians. The project will provide pedestrian access areas that connect to the sidewalk along Ploenchit Road.			
	6. The project will provide parking spaces for 1,080 vehicles. 7. Signage will be installed to indicate parking areas for each section, and parking access cards will be distributed. Hotel guests will place the card in front of their car so that traffic officers can assist them in parking on the designated level, preventing confusion in the project's traffic management.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.** 1. The original project area will remain accessible via the existing entrances and exits on Ploenchit Road and Witthayu Road as normal. There will be no changes or road closures during the construction of the extension project. 2. Clearly marked traffic directional signs will be installed to facilitate users and reduce confusion. 3. Trained traffic control officers will be assigned to assist with traffic management. 4. During months 6-7 and months 53-60 of the extension tower construction, the project will temporarily adjust the internal traffic system. Hotel users will be directed to use the internal roads from the drop-off point connecting to Witthayu Road to the parking lot entrance on the shopping center side connecting to Ploenchit Road, in order to avoid the extension tower construction area. 5. Temporary traffic route adjustments will be announced through the hotel's Online channels.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Prepare entrances and exits for the construction of the CENTRAL EMBASSY TOWER (EXTENSION) as follows: 1) Tower Construction Phase (extension): - Prepare one entrance and one exit, each 8 meters wide, connecting to Wireless Road on the east side of the project area. During the construction phase (months 1-13), the exit is designed to be 10 meters away from the North boundary of the property. During the construction phase (months 14-60), the exit is designed to be 5.8 meters away from the North boundary of the property. 2) Construction/Demolition Phase of the Residential Marketing Suite: - The south entrance/exit of the Residential Marketing Suite (formerly the British Embassy entrance/exit) will be used, connecting to Ploenchit Road.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	3) During the opening period of the Residential Marketing Suite: - Visitors are required to access the Residential Marketing Suite via Soi Somkid, turning right across the Somkid Bridge. Visits to the	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Residential Marketing Suite must be made by appointment only. For exiting the Residential Marketing Suite, visitors are required to use the south exit (former British Embassy entrance/exit) connecting to Ploenchit Road, and must not exit via Soi Somkid. 2. Prepare an area for the transportation of construction materials and a parking area for trucks within the project area, ensuring that trucks do not encroach on the traffic lanes of Witthayu Road. 3. Prepare a designated area for stockpiling construction materials, ensuring that materials do not extend outside the project area and may obstruct traffic outside the project. 4. Provide a wheel washing area within the project area, and all vehicle wheels must be thoroughly cleaned before leaving the construction site. To prevent dust, soil, rocks, and debris from being thrown onto the road surface outside the project, water from washing vehicle wheels will flow into temporary drainage channels around the project area. At the end of these temporary drainage channels, there will be a sediment trap to allow sediment, rocks, gravel, and sand carried by rainwater to settle. The water will then drain into the			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	drainage pipes along Witthayu Road, and from there, it will flow North through the drainage pipes into the Saen Saep Canal. 5. Prepare tarpaulins to cover the truck beds of all trucks entering and exiting the project to prevent dust, rocks, soil, and debris from falling onto the road surface outside the project, for safety reasons. If any debris or soil from transport vehicles falls outside the project area, staff will be assigned to clean it up properly.			
	6. Construction material transport trucks for the project will be equipped with reflective signs and colored flags on the rear to ensure they are clearly visible to other drivers on the road, preventing accidents. 7. Control the weight of trucks according to the specified limits and limit the speed of material transport trucks to no more than 30 kilometers per hour in residential areas. Truck drivers entering and exiting the project area will be strictly instructed to comply with the Road Traffic Act and drive with extra caution. 8. All vehicles belonging to construction companies must have the company name and contact number displayed on the side or rear of	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	the vehicle so that those affected by project vehicles can easily contact them. 9. Provide clear project name signs and arrows indicating the direction of entry and exit to the project. 10. Provide traffic signs and warning signs in clearly visible locations both within and outside the construction area, including at the project entrance and exit, to ensure that the community and passersby on Witthayu Road are aware of them and exercise greater caution. 11. Assign personnel to control and facilitate traffic at the project entrance and exit during construction to manage traffic in front of the project. And for the safety of vehicle drivers on Witthayu Road: 12. Maintain the roads around the project area in good working condition at all times. 13. Ensure that trucks used for transporting materials are always in good condition. 14. Determine the transportation times for workers, staff, construction materials, and heavy machinery, considering the laws prohibiting large trucks from traveling within Bangkok during peak hours, namely:			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Construction workers and staff will be transported into the project area before 7:00 AM and out of the project area after 7:00 PM. - Machinery, equipment, and construction materials using 6-wheel and 10-wheel trucks will be transported between 10:00 AM – 3:00 PM and 9:00 PM – 6:00 AM, which are outside peak hours (according to the current measures prohibiting trucks from entering the city in Bangkok). If trucks transporting construction materials enter the construction area after 10:00 PM, the project will allow them to park in the construction area, but the construction materials will be unloaded during the morning work hours of the following day. 15. Install traffic direction signs and construction warning signs in clearly visible locations, both from within the construction area and from the surrounding area, to inform the community and 16. Provide motorcycle parking for construction workers within the project area on the North side, and a drop-off/pick-up area for construction workers within the project area on the East side. 17. Prohibit parking for worker drop-off/pick-up and for motorcycles on Soi Somkid and other public roads near the project.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	18. The project is pleased to collaborate with the community in Soi Somkid, including relevant government agencies, to jointly develop and support various expenses with buildings in the Soi Somkid community for the improvement of sidewalks within Soi Somkid. 19. Vehicles entering and exiting the project area must be registered with the Bangkok Metropolitan Administration only. Details are as follows: 19.1 Trucks with 6 wheels or more used for transportation, unloading, and moving within the construction site must be registered on the Green List. 19.2 Vehicles used for transporting construction workers, project staff, supervisors, and contractors, with 4 wheels or more, must be registered on the Green List Plus, excluding EURO 5, EURO 6 vehicles, natural gas vehicles (NGV), and electric vehicles (EV). 20. Before commencing construction of the extension, a written request for permission to use the entrance and exit of the extension project area must be submitted to the Bangkok Metropolitan Administration and must strictly adhere to the format and conditions specified by the Bangkok Metropolitan Administration.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	21. The project owner must survey, collect detailed photographs of the road surface condition at the entrance and exit areas and points where utility systems will be connected to the project, including sidewalks and areas on public roads, for comparison with the condition during construction. In case of any damage, the project owner is responsible for carrying out repairs and ensuring the project remains in good working condition and is safe.			
	22. Design and construct various utility systems that the project will connect to various service providers according to the specifications set by government agencies. 23. Upon completion of building construction, the project must repair road surfaces, sidewalks, and entrance/exit areas according to the specifications set by government agencies and provide a performance guarantee of at least 2 years.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	24. In the future, after the project opens, neighboring residents are affected by traffic disruptions, they can discuss solutions with project officials by contacting Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. The project will arrange for officials to	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	meet with them to inspect and resolve the impact. However, if both parties (project owners and those affected) cannot reach an agreement or if a conflict arises, the project will establish a process for dispute resolution in accordance with the Dispute Resolution Act B.E. 2562 (2019).			- Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
4. Value to Quality of Life 4.1 Social Impact	- **The Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Prior to commencement, a public awareness campaign will be conducted to inform the public and relevant agencies about the project and its various measures. This includes residents and businesses in close proximity to and within 100 meters of the project area, as well as the general public and relevant agencies such as the Pathumwan District Office, Phaya Thai Fire and Rescue Station, and nearby medical facilities. The aim is to ensure they are aware of and understand the project's measures and to build positive relationships with the community at least 15 days in advance of construction/demolition, and to continue this process throughout the construction/demolition period.	- CENTRAL EMBASSY (EXTENSION)	- At least 15 days prior to construction	- Project Manager: at least 2 persons
	2. Publicize the project construction by sending various documents: via mail as tangible evidence, and distribute promotional documents to houses/buildings/businesses in close proximity to the project and within 100 meters of the project area and sensitive areas, as well as relevant agencies in the area. This should be done at least 15 days in	- CENTRAL EMBASSY (EXTENSION)	- At least 15 days prior to construction	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	advance of construction/demolition. The documents should include the following details: 2.1 Summary table and final Environmental Impact Prevention and Mitigation Measures and Environmental Impact Monitoring Measures during construction/demolition. 2.2 Details/diagram of complaint handling and compensation procedures in case of damage. 2.3 Channels for receiving complaints to the project developer and the consulting engineering firm supervising construction, including telephone numbers, social media (e.g., LINE Official Account), postal address, a suggestion box located in a clearly visible position in front of the project, and direct contact at the project office. In case of a change in responsible personnel, the project must notify surrounding residents of the new contact person and telephone number for easy contact. 2.4 Establish a LINE Official Account with details as shown in item 1.1. [Note: The provided text also includes a description of the topography of the area.]			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3. Implement preventative and corrective measures for various impacts, including physical, biological, and human use aspects, to avoid affecting nearby residents. Construction workers are not permitted to reside in the construction area. 4. In the case of hiring foreign workers, the project will require contractors to hire only those workers who have proper legal permits and to register foreign workers with the Foreign Workers Administration Bureau to allow for background checks. 5. Implement health and drug screening measures for workers during construction, with health checks once a year and drug tests at least twice a year to screen for workers who are healthy, free from diseases and drug use, and to prevent health problems that may involve the transmission of diseases. 6. Workers are not permitted to reside in the project area, but approximately 2-3 workers will be assigned to oversee the store at night.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons
	7. Assign security personnel to monitor the entry and exit of staff, workers, and vehicles 24 hours a day to ensure safety and order. Construction	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	workers will only be allowed to leave the construction site with permission. 8. Assign a foreman to supervise construction workers to prevent them from causing disturbances to nearby residents and those passing through the project area.			
	9. Install CCTV cameras inside and around the project construction area at 9 locations, along with a control room. The camera angles should cover the construction material storage area, garbage bins, sediment traps, vehicle wheel washing area, environmental quality monitoring equipment installation points, water testing ponds before discharge outside the project, guardhouse, workers' canteen, restrooms, wastewater treatment tanks, water storage tanks, and the construction office staff office, etc., to monitor order and safety within the project and surrounding areas. The cameras should be capable of capturing images at night and be able to store recorded footage for later review. 10. Install lighting along the temporary fence throughout the construction/demolition period or until the temporary fence is removed, for the safety of neighbors at night.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	11. The LED spotlights installed on the boom of the tower crane should be positioned facing downwards at all times, covering all angles and within the crane's swing radius, which should be within the project area. 12. The project will provide a canteen for construction workers within the project area in the Northwest. Eating on the roadside within Soi Somkid or outside the project area is prohibited.			
4.2 Economic Impact	- Strictly implement preventive and corrective measures for physical, biological, and human use impacts to prevent health effects.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons - Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
4.3 Impacts on Public Health **1) Health of the surrounding population** **1.1 Area Construction site of the project**	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. The project has strictly implemented physical, biological, and human use measures to prevent health impacts. 2. The project has established and strictly adheres to measures for preventing and mitigating health impacts.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.** 1. Establish communication and public relations measures for hotel guests within the original tower as follows: 1) Establish an on-site coordination center (Liaison Officer) to provide information to the hotel staff and guests. 2) Publicize information through the hotel's on LINE channels and notice boards in the drop-off lobby and elevator areas. 3) Provide a complaint channel and take immediate action to resolve any problems found.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2. Weekly follow-up by the project's safety and environmental team in collaboration with the hotel management. Any problems identified should be adjusted immediately.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Strictly implement measures to prevent and mitigate physical, biological, and human use impacts to prevent health effects.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	2. Assign a professional safety officer to the construction site to strictly monitor and control compliance with impact prevention and mitigation measures, and establish penalties for violators.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers)

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
				at least 2 persons
	3. Install 9 CCTV cameras inside and around the project construction area, along with a control room. The camera angles should cover the construction material storage area, garbage bins, sediment traps, vehicle wheel washing area, environmental quality monitoring equipment installation points, water testing ponds before discharge outside the project, guardhouse, workers' canteen, restrooms, wastewater treatment tanks, water storage tanks, and the construction site staff office, etc. This is to monitor the order and safety within the project and surrounding areas. The cameras should be capable of capturing images at night and be able to store recorded footage for later review. 4. The site supervisor will review camera footage and the online dashboard twice daily. 5. Maintain a logbook using camera footage to supplement monthly checklist reports. If any non-compliance is found, immediate corrective action should be ordered.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
1.2 Worker Camp area (outside the project)	- Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.	-	-	-
	- Additional Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.	-	-	-
	- Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area. 1. Place a sign at the front of the workers' accommodation stating the name of the construction company, the project supervisor, and the name, surname, and telephone number of the person responsible for the workers' accommodation area. This is so that neighboring residents and passersby can contact them directly in case they are affected by the workers' residence.	- Worker Camp (outside project)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2. Construct a fence around the workers' accommodation that is at least 2 meters high. Designate one entrance/exit point for monitoring and controlling the entry and exit of workers. 3. Require the construction contractor to build the workers' accommodation according to the standards and temporary building designs for construction workers of the Engineering Institute of Thailand under the Royal Patronage (EIT Standard 1010-34), with specifications such as:			
	(3.1) Provide toilets/bathrooms and handwashing facilities for male and female workers in the construction worker housing area, with the following details: - Men's toilets: 21 rooms (no less than 21 rooms), Men's restrooms: 21 rooms (no less than 21 rooms), and Men's handwashing sinks: 19 sinks (no less than 19 sinks). - Women's toilets: 7 rooms (no less than 7 rooms), Women's restrooms: 7 rooms (no less than 7 rooms), and Women's handwashing sinks: 5 sinks (no less than 5 sinks).	- Worker Camp (outside project)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(3.2) Provide adequate lighting around the area at night. (3.3) Provide at least one set of dry-type handheld fire hoses installed within a distance of no more than 45 meters. 4. Appoint a foreman to supervise construction workers to prevent them from causing nuisance to neighboring residents and those passing by the construction worker housing area. 5. Appoint security guards to monitor entry and exit to the construction worker housing area. Workers are only allowed to leave the workers' quarters when given permission. 6. Instruct workers to help maintain cleanliness around and inside the workers' quarters regularly.			
	7. Establish regulations for worker residency to prevent negative impacts on nearby residents, including: - Gambling is prohibited. - Alcohol consumption and drug use/sale are prohibited. - Bringing outsiders to reside in the residence without permission is prohibited.	- Worker Camp (outside project)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Fighting or causing disturbances within the housing area is prohibited. - Taking company property outside the housing area is prohibited. - Using unsafe electrical or gas appliances, as well as any actions that may cause serious harm to life and property, is prohibited. - Starting fires without permission is prohibited to prevent fire hazards. - Keeping pets within the worker housing area is prohibited. - Use water and electricity sparingly and turn them off when not in use. - In case of any incident or emergency that may cause harm to life and property, immediately notify the responsible officer or security personnel. - Littering (garbage or food scraps) within the housing area is prohibited; dispose of them only in designated areas. - Making loud noises that disturb neighboring residents, such as playing excessively loud music, is prohibited. - Workers are prohibited from leaving the housing area between 23:00 and 07:00 (unless properly authorized).			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	8. Instruct workers to strictly adhere to hygiene standards to prevent the spread of germs or infectious diseases. 9. Install CCTV cameras around the workers' accommodation area, along with a control room, to monitor the order and security within the project and surrounding areas. Choose cameras capable of capturing images at night and storing recorded footage for later review.	- Worker Camp (outside project)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
2) Impacts on occupational health and safety.	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. Install lighting at the project entrance and exit to ensure clear visibility of vehicles entering or exiting the project at night. 2. Promote fire safety awareness among visitors by posting informational signs within the project.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1. A temporary C—LINE wall, clad with 9 mm thick gypsum boards on both sides, will be constructed between the construction area and the remaining open area of the original tower. 50 mm thick Rockwool sound insulation will be installed, covering the floor-to-ceiling of each floor, to prevent safety impacts from the construction of the connecting walkway to users in the original tower. 2. A temporary fence (Green Wall) will be installed along the 9th floor (swimming pool level) on the North side of the original tower to mitigate noise pollution.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons - Construction Engineer (Engineer Environment) at least 1 persons - Occupational Safety and Health Officers (OSH Officers) at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** **1. Measures regarding dust pollution:** 1) Construction workers who have to work in dusty areas, such as areas with exposed earthworks and concrete mixing involving cement, etc., must wear a double-layered cloth mask that can protect against dust particles larger than 0.3 microns at all times while working to prevent dust from entering the respiratory system. 2) Control the opening and use of work areas to only what is necessary.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons
	3) Implement water spraying measures and install water misting systems as specified in Section 1.5, Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION), for the impacts of construction carried out within the extension area, Section 4. Construction/Demolition Measures. Sub-section 1) General Time, Sub-sections (10) to (12).	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4) Control the entry and exit of soil transport vehicles to prevent impact on traffic on other public roads. The contractor must coordinate with all soil transport vehicle drivers by telephone to control the timing of their departure from the soil dumping area, ensuring they leave in alternating shifts and do not arrive simultaneously. The contractor will also report the situation at the construction site periodically to adjust the soil transport plan as much as possible.			
	5) Install public awareness signs educating workers on how to prevent dust pollution and how to operate the business to minimize dust, in order to raise awareness and encourage construction workers to strictly adhere to these measures.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person
	2. Noise Management Measures 1) Provide complete and standard personal protective equipment. 2) Provide training on the proper use and maintenance of personal protective equipment. 3) Determine working hours for construction workers that are appropriate to the noise level they are exposed to.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4) Post warning signs in noisy areas and specify the use of personal protective equipment to reduce noise before entering noisy areas. 5) Require workers exposed to noise exceeding 85 dB(A) to use noise reduction equipment, such as earmuffs with an NRR = 30 dB(A), which can reduce the noise level in the ears by 15.5 dB(A). Determine working hours for workers that are appropriate to the noise level they are exposed to, and after completing the designated time, rotate them to another, less noisy area. 6) Assign multiple groups of workers to work near noisy machinery, and rotate workers between groups. 7) Require workers to work near noisy machinery for approximately 10 minutes, after which the contractor must rotate them to another, less noisy area. 8) Arrange for health checks for all workers to ensure they are in good health throughout the construction period.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	3. Vibration Mitigation Measures **1) Control measures at the source of vibration.** - Use vibration damping materials under machinery, such as drilling equipment. - Use vibration damping and absorption materials to enclose equipment. - Regularly maintain and service machinery. - Inspect tools and machinery to ensure they are in good and safe working condition at appropriate intervals and perform regular monthly inspections and adjustments. **2) Personal preventive and control measures.** - Set working hours for workers who operate machinery that may generate potentially hazardous vibrations, limiting normal working hours to no more than 7 hours or providing breaks of 20 minutes for every 2 hours of overtime. - Use personal protective equipment, such as bags and seat cushions for excavators. - Closely monitor the work of workers using vibrating tools and machinery.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4. Measures to prevent the impact of various accidents. 1) Provide first aid supplies for construction workers. 2) Personnel must be stationed at entrances and exits to monitor the movement of workers and vehicles 24 hours a day for safety and order. 3) Post work instructions and warning signs to ensure construction workers perform their duties correctly. 4) Provide workers with accident prevention equipment, such as safety helmets, safety glasses, dust masks, earplugs, and gloves. 5) Conduct safety training for foremen or provide a construction safety manual with enhanced safety instructions. 6) Monitor and control the use of electricity and provide necessary fire extinguishing equipment. 7) Provide training on the use of equipment and tools for construction workers. 8) Assign a safety officer to the construction site to strictly monitor and enforce compliance with accident prevention and mitigation measures.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	9) Contact emergency services in the area in advance, such as the Bangkok Metropolitan Medical Unit (1555), in case of accidents involving workers or injuries to outsiders during construction. This will allow for quick assistance or the transportation of injured people to the hospital. 10) Install LED signs displaying accident statistics in front of the project at 3 locations: along Ploenchit Road, Witthayu Road, and Soi Somkid, and disseminate this information through the project's website and LINE Official Account so that people in the surrounding area are aware.			
	5. Measures to prevent objects falling from building construction projects. 1) Install a 6-meter high metal sheet fence around the perimeter of the project land and a 2-meter high dust-proof mesh netting on top of the metal sheet fence around the tower extension construction area and the concrete plant area. This will clearly demarcate the project area, help to block out visual pollution, and contain noise and dust generated within the construction area. Install signs prohibiting unauthorized access to the construction/demolition area. Also, install vinyl signs, such as images of trees or nature, to improve the	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	aesthetic appeal for passersby and those passing through the project area. 2) During structural work, install falling debris protection devices (chain links) extending from the tower extension around the working floors to prevent falling debris from falling to the ground below. 3) Install a double layer of fire-retardant mesh netting: a mesh sheet between layers and an outer mesh sheet covering from the bottom to the top floor. 1) The perimeter of the extension tower must be the same height as the height of the extension tower during construction and continuously at least 2 meters high to prevent materials from falling outside the construction tarpaulin during construction on that level, as well as to prevent dust from spreading to nearby houses/buildings. 4) Install scaffolding and stretch netting around every 2-3 levels to prevent accidents while working outside the building walls. 5) Check the condition of machinery before use to prevent accidents. 6) During work, if a risk is detected, stop work and notify the supervisor or engineer to take corrective action. 7) Assign a licensed professional safety officer to the construction site and strictly instruct them to comply with the regulations. The officer			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	must meet the qualifications as stipulated in the Ministerial Regulation on the Appointment of Safety Officers in the Workplace, Personnel, Agencies, or Committees to Implement Safety in Business Establishments B.E. 2565 (2022). 8) Maintain statistics on accidents and display the results of accidents at the construction site. This information will be used to evaluate the effectiveness of the preventive and corrective measures and to improve the measures as appropriate.			
	9) Implement the requirements of the Occupational Safety, Health, and Environment Act, B.E. 2554 (2011), which outlines various legal requirements that both employers and employees must adhere to in their work.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	6. Measures to prevent negative impacts on crane installation and operation. 1) Folding boom tower cranes must be used, and crane operators must keep the boom within the project construction area only, not encroaching on adjacent areas. 2) Crane installation must be certified by a professional engineer, and the supervising engineer must possess qualifications such as prior training. 3) An experienced crane operator with knowledge of lifting, and who has received training from an institution or organization certified by the Department of Labor Protection and Welfare, must supervise the operation at all times, and a lifting plan must be prepared before the work begins. 4) Measures concerning tower cranes must comply with Ministerial Regulation No. 67 (2020) issued under the Building Control Act B.E. 2522 (1979), which specifies measures for tower cranes during construction, including installation and dismantling as follows:	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4.1) During building construction, the strength and safety of the tower crane must be regularly inspected according to the manufacturer's manual. If no manual is available, a licensed professional engineer must determine the inspection results, record the inspection results with their signature monthly, and keep the records at the construction site for inspection by government agencies.			
	4.2) Installation and dismantling of Tower Cranes must be carried out as follows: (1) The operator must submit a site plan, blueprints, specifications, and calculations for the support base, including bracing, in accordance with the requirements prepared by a licensed professional engineer. (2) Installation and dismantling must comply with the manufacturer's manual. If there are no details as specified by the manufacturer, the requirements prepared by a licensed professional engineer must be followed, and a licensed professional engineer must supervise the installation and dismantling.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(3) Inspection of the Tower Crane components and equipment with a safe lifting capacity must be arranged according to the manufacturer's manual. If there are no details as specified by the manufacturer's manual, the requirements prepared by a licensed professional engineer must be followed. 5) An experienced crane operator with expertise in lifting operations must supervise at all times during lifting operations, and a lifting plan must be prepared before the work begins. 6) The weight capacity and center of gravity of the lift must be carefully considered and verified for accuracy by the supervisor or engineer. 7) If a risk is detected during operation, stop the work and immediately notify the supervisor or engineer for corrective action.			
	8) Inspect tower crane components every 3 months according to the standards set by the Department of Labor, by a licensed mechanical engineer with the required professional license level.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	9) Before commencing any operation, the condition of the braking system, limit switches, slings, ropes, and lifting equipment must be checked, and a test run must be performed without a load.			
	10) Assign a professional safety officer (PSO) to the construction site to strictly monitor and control compliance with preventive and corrective measures and establish penalties for violators. 11) Designate the LED spotlights installed on the boom of the tower crane so that they are always facing downward, at all angles, and that the crane's swing radius covers the entire project area.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons
	7. Preventive measures regarding infectious diseases/serious illnesses. 1) Instruct workers to strictly adhere to hygiene practices to prevent the spread of germs or infectious diseases. 2) Continuously monitor news from government agencies and be vigilant regarding the outbreak of infectious and serious diseases. 3) Disseminate information about the outbreak of infectious and serious diseases to construction workers/workers. 4) Establish preliminary Guidelines for controlling infectious and serious diseases within the construction site.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons

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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	5) Cooperate with the government in preventing and resolving outbreaks of infectious and serious diseases, and strictly adhere to relevant government Guidelines and policies for problem solving. 6) Convene expert meetings to assess the situation and improve existing measures to suit changing circumstances. 7) Require construction site supervisors to strictly follow Guidelines from the Department of Disease Control and the Communicable Diseases Act, establishing measures within the project area and construction worker housing outside the project as follows: - Require individuals who are or are reasonably suspected of having a dangerous communicable disease or epidemic, or those who are exposed to the disease or are carriers, to undergo medical examination or treatment. For safety reasons, isolation, quarantine, or observation may be implemented at a location designated by the communicable disease control officer until they have been medically examined and proven to be free from the infectious period or the reasonable suspicion has ended.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Require individuals at risk of contracting the disease to receive immunization according to the date, time, and location designated by the communicable disease control officer to prevent the spread of dangerous communicable diseases or epidemics.			
	8. Workplace safety measures. 1) Occupational Safety, Health and Environmental Engineer (for the Project Owner): Duties include: (1) Supervising and monitoring construction to ensure compliance with occupational safety, health and environmental requirements. (2) Conducting training to provide knowledge on occupational safety, health and environmental requirements, such as: (2.1) Ministerial Regulation on Standards for the Administration and Management of Occupational Safety, Health and Environmental Conditions in Construction Work, B.E. 2551 (2008) (2.2) Announcement of the Department of Labour Protection and Welfare on Criteria for Preparing Safety Plans for Construction Work, B.E. 2552 (2009)	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons - Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(2.3) Announcement of the Department of Labour Protection and Welfare on Criteria and Methods for Training Courses for Crane Operators, Crane Signalers, Material Handlers, or Crane Controllers, and Refresher Training on Crane Operation, B.E. 2554 (2011) (2.4) Ministerial Regulation on Standards for the Administration and Implementation of Occupational Safety, Health and Environmental Conditions in Scaffolding and Supporting, B.E. 2564 (2021)			
	(2.5) Ministerial Regulation prescribing standards for the management and operation of safety, occupational health, and working environment in places with hazards from falls from heights and on slopes from flying, falling, and collapsing materials, and from falling into containers or receiving containers, B.E. 2564 (2021). (3) Conduct training to create understanding regarding compliance with environmental impact prevention and mitigation measures and environmental impact monitoring measures for stakeholders involved in compliance with the	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons - Occupational Safety and Health Officers (OSH Officers) at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	measures, including construction contractors and related parties, to ensure correct and complete compliance with the measures. Such training should be conducted every 6 months throughout the construction period. (4) Promote, support, and monitor the implementation of workplace safety according to the established plan to prevent work accidents and reduce risks that may occur to workers and stakeholders in the construction area. (5) Review reports on work accident statistics, illnesses, or nuisances caused by construction workers, and monitor the implementation of solutions to such problems. (6) Strictly monitor approved environmental impact assessment reports.			- Project Manager at least 2 persons
	2) The Occupational Safety, Health, and Environmental Engineer for the contractor has the following duties: (1) Conduct training to build understanding of work safety, proper use of protective equipment, working at heights, chemical hazard protection, accident prevention, and emergency procedures, such as how to use fire	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons - Occupational Safety and Health

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	extinguishers and basic first aid, in order to prevent work accidents and reduce potential risks to workers and related personnel at the construction site. (2) Ensure that contractors strictly adhere to the measures specified in the approved Environmental Impact Assessment report. (3) Prepare statistical reports on work accidents, illnesses, or nuisances caused by construction workers and submit them to the project owner's safety engineer. (4) Investigate the causes and analyze work accidents, illnesses, or nuisances caused by construction workers to find solutions and prevent recurrence. (5) Regularly inspect the working condition of trucks and construction machinery to ensure they are in good working order, in order to prevent accidents.			Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons
	(6) Inspect the working condition of environmental quality monitoring equipment and displays to ensure they are in normal and safe working order according to the appropriate	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer)

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	service life, and perform regular monthly checks and adjustments. (7) Inspect and control the working environment to ensure it is safe and suitable, and does not pose a risk of danger or accidents. If a risk is found, stop work and find ways to correct it. (8) Provide construction workers with accident prevention equipment such as safety helmets, safety glasses, dust masks, earplugs, gloves, etc. (9) Determine the working hours for construction workers who must work with machinery that may cause vibrations that may be dangerous, setting a normal working time not exceeding 7 hours or specifying a 20-minute break for every 2 hours of overtime work. (10) Control dust, noise, and vibrations generated from construction. (11) Inspect the management of waste such as construction debris, wastewater from cement mixing, etc.			at least 3 persons - Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(12) Control the storage of hazardous materials such as oil, paint, etc., to ensure they are safe and do not leak into the soil or water. (13) Control construction to ensure it complies with safety requirements such as			
	(13.1) Ministerial Regulation prescribing standards for the administration and management of safety, occupational health, and working environment in construction work, B.E. 2551 (2008). (13.2) Announcement of the Department of Labour Protection and Welfare regarding the criteria for preparing a safety plan for construction work, B.E. 2552 (2009). (13.3) Announcement of the Department of Labour Protection and Welfare regarding the criteria and methods for training courses for crane operators, crane signalers, material handlers, or crane controllers, and refresher training on crane operation, B.E. 2554 (2011).	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons - Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(13.4) Ministerial Regulation prescribing standards for the administration and implementation of safety, occupational health, and working environment in scaffolding and supporting structures, B.E. 2564 (2021). (13.5) Ministerial Regulation prescribing standards for the administration and implementation of safety, occupational health, and working environment in places with hazards from falls from heights and on slopes from falling and collapsing materials, and from falling into containers or receiving containers, B.E. 2564 (2021).			
4.4 Impact of fire.	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.** 1. The project's fire prevention and warning system shall comply with the requirements of Ministerial Regulation No. 33 (B.E.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2535), amending Ministerial Regulation No. 50 (B.E. 2540), issued under the Building Control Act B.E. 2522. 1.1) Fire Prevention System (1) Water reserve for firefighting and fire pumps, divided into: - Commercial area: A water reserve for firefighting shall be provided in an underground water tank with a capacity of 397 cubic meters. The project will install a diesel-powered fire pump with a pumping rate of 5.7 cubic meters/minute at TDH 140 meters, working in conjunction with a jockey pump to maintain water pressure in the piping system with a pumping rate of 0.037 cubic meters/minute at TDH 150 meters, to pump firefighting water to the basement levels 5 to 9. - Hotel area A fire fighting water reserve will be provided from a water tank located on the 7th floor with a capacity of 241 cubic meters. The project will install a diesel-powered fire pump with a pumping rate of 3.8 cubic meters per minute at a TDH of 165 meters,			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	working in conjunction with a jockey pump to maintain constant water pressure in the piping system. A pumping rate of 0.037 cubic meters per minute at a TDH of 172 meters will be used to pump fire fighting water to floors 10-37.			
	(2) Stand Pipe System: Stand pipes for fire water supply are installed inside the tower, divided into: - Commercial Area: Low Zone area on the 5th to 9th basement floors, consisting of 6 stand pipes with a diameter of 6 inches. These will receive fire water from the underground water tank in the shopping mall area, with a capacity of 397 cubic meters, and also from fire trucks of the Phaya Thai Fire and Rescue Station. - Hotel Area: High Zone area on the 10th to 37th floors, consisting of 3 stand pipes with a diameter of 6 inches. These will receive fire water from the water tank located on the 7th floor, with a capacity of 241 cubic meters, and also from fire trucks of the Phaya Thai Fire and Rescue Station.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(3) External Fire Water Connectors (FDC): Five sets of 4x2½x2½ inch external fire water connectors with check valves are installed on the North, South, and West sides of the project area. One set will be installed on each side, with two sets on the East side.			
	(4) Fire hose cabinets with equipment (Fire Hose Cabinet: FHC) are installed inside the building, totaling 231 cabinets, and each FHC cabinet is equipped with a 10-pound ABC type portable chemical fire extinguisher. (5) An automatic sprinkler system is installed throughout the building. This is a wet pipe system that can operate automatically immediately in the event of a fire. (6) Fire escape elevators: 2 sets, 1 set for the shopping mall and 1 set for the hotel. (7) Eight fire escape staircases: (1) ST-1 staircase, accessible from the 37th floor to the 5th basement floor. Made of reinforced concrete, 1.5 meters wide, with a riser height of 0.15 meters, a tread width of 0.28 meters, and a landing width of 1.6 meters.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(2) ST-2 staircase, accessible from the 8th floor to the 5th basement floor. Made of reinforced concrete, 1.5 meters wide, with a riser height of 0.18 meters, a tread width of 0.25 meters, and a landing width of 1.7 meters. (3) ST-3 staircase, accessible from the 10th floor to the 5th basement floor. (4) Staircase ST-4 can be accessed from the 18th floor to the basement level 5. The staircase is made of reinforced concrete, 1.5 meters wide, with risers 0.18 meters high, treads 0.25 meters wide, and a landing 1.7 meters wide. (4) Staircase ST-4 provides access from the 18th floor to the basement level 5. It is made of reinforced concrete, 1.5 meters wide, with risers 0.18 meters high and treads 0.25 meters wide, and a landing 1.7 meters wide. (5) Staircase ST-5 can be accessed from the 37th floor to the basement level 5. The staircase is made of reinforced concrete, 1.5 meters wide, with risers 0.18 meters high, treads 0.25 meters wide, and a landing 1.7 meters wide.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(6) Staircase ST-6 can be accessed from the basement level 1 to the basement level 5. The staircase is made of reinforced concrete, 1.5 meters wide, with risers 0.18 meters high, treads 0.25 meters wide, and a landing 1.7 meters wide. (7) Staircase ST-7 provides access from basement level 1 to the basement level 2. It is made of reinforced concrete, 1.5 meters wide, with risers 0.18 meters high and treads 0.25 meters wide. and a landing 1.7 meters wide. (8) Staircase ST-8 can go up and down from the 25th floor to the 12th floor. The staircase is made of reinforced concrete, 1.5 meters wide, riser height 0.18 meters, tread width 0.25 meters, and landing width 1.7 meters.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1.2 Alarm System (1) Fire Alarm Control Panel (FCP): The central point for receiving and transmitting fire alarm signals throughout the building. (2) Smoke Detectors: Smoke detectors are installed in storage rooms, pump rooms, restrooms, ventilation rooms, electrical and mechanical rooms, banquet halls, commercial areas, cinemas, electrical control rooms, offices, laundry rooms, fitness centers, spas, guest rooms, building corridors, and elevator lobbies, etc., totaling 2,555 points. (3) Heat Detectors: Installed in restrooms and parking areas, totaling 527 points. (4) Heat Detectors 1. Constant temperature and rate of rise heat detectors are installed in the kitchen area at 33 locations. (5) Manual fire alarm stations are installed in the stairwell area at 193 locations.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(6) Fire alarm speakers are installed in the building corridors and stairwells at 428 locations. (7) Fire alarm telephone jacks are installed in the same location as the manual fire alarm stations at 136 locations.			
	2. The CENTRAL EMBASSY PARK TOWER (ORIGINAL) has an aerial fire escape area on the 36th floor, accessible via stairs ST-1 and ST-5 for convenient aerial access. 3. Initial assembly points and a fire command center are provided within the project, both in the hotel and commercial sections. 4. The fire prevention and alarm system is regularly inspected to ensure it is in working order. If any damage or malfunction occurs, immediate action must be taken to rectify it. 5. Fire extinguishing equipment installed within the project area must have signs indicating its use so that those near the incident area can use it immediately. 6. Install a fire evacuation route plan leading to the initial assembly point at the front door of every hotel room. 7. Conduct evacuation training and drills in case of a fire.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.** - Designed to include a fire protection system and fire alarm system. Details are as follows: **Fire protection system** 1) 6-meter road (temporary) (1) During construction months 1-6: Site preparation, piling work, and retaining wall work. The CENTRAL EMBASSY PARK TOWER (ORIGINAL) will still have the same 6-meter road surrounding the building. (2) During construction months 7-13: Piling work in the connecting area on the 6-meter road North of the CENTRAL EMBASSY PARK TOWER (ORIGINAL). The project temporarily shifted the 6-meter road North of the CENTRAL EMBASSY PARK TOWER (ORIGINAL), approximately 10 meters from the original 6-meter road, within the area of the CENTRAL EMBASSY TOWER (EXTENSION). This ensures that the original CENTRAL EMBASSY PARK TOWER will still have the legally required 6-meter road surrounding the building.	- CENTRAL EMBASSY PARK (ORIGINAL) - CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	During this period, no structures were built above ground (open area, no obstructions). The project will construct a retaining wall structure at the 6-meter road location on the North side of the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to support the underground tunnel for vehicles from levels B2 to B4. At the same time, this retaining wall structure at the 6-meter road location will also support the weight of the 6-meter road structure of the CENTRAL EMBASSY PARK TOWER (ORIGINAL). This 6-meter road will be constructed at the same time as the retaining wall structure at the 6-meter road location on the North side of the CENTRAL EMBASSY PARK TOWER (ORIGINAL) (Construction period: Month 7–13). Therefore, the construction of the underground tunnel for vehicles from levels B2 to B4 during months 14-51 will not affect the 6-meter road on the North side of the CENTRAL EMBASSY PARK TOWER (ORIGINAL), and it will remain open for normal use.			
	(3) During construction period months 14–51, the foundation, basement, and above-ground structures of the CENTRAL EMBASSY TOWER (EXTENSION) were constructed. Prior to the	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	commencement of construction of the underground connecting section between the CENTRAL EMBASSY PARK TOWER (ORIGINAL) and the CENTRAL EMBASSY TOWER (EXTENSION), the project constructed a 6-meter road on the North side of the CENTRAL EMBASSY PARK Tower (original) to be usable again from construction period month 14 onwards. This 6-meter road will be supported by the soil erosion protection wall structure that has already been constructed. The project will then proceed with the completion of the basement level of the CENTRAL EMBASSY TOWER (EXTENSION) up to the 1st floor. Following this, construction of the connecting basement level between the CENTRAL EMBASSY PARK TOWER (ORIGINAL) and the CENTRAL EMBASSY TOWER (EXTENSION) will begin between months 33-35. Excavation will be carried out from the basement of the CENTRAL EMBASSY TOWER (EXTENSION) to the CENTRAL EMBASSY PARK (ORIGINAL) tower without affecting the 6-meter-wide road on the North side of the CENTRAL EMBASSY PARK TOWER (ORIGINAL). Furthermore, the project will not construct any above-ground connecting sections between the towers. Therefore, the CENTRAL	- CENTRAL EMBASSY (EXTENSION)		

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	EMBASSY PARK TOWER (ORIGINAL) will still have the legally required 6-meter-wide road surrounding the building. During this construction period, no above-ground structures will be visible (the area will be open and free of obstructions).			
	(4) During month 52 of construction, permission is requested to open the CENTRAL EMBASSY TOWER (EXTENSION) in the commercial area. The project will proceed with requesting permission to open part of the CENTRAL EMBASSY TOWER (EXTENSION), starting with requesting permission to open the shopping mall-commercial area. This will involve submitting legal permits and allowing tenants of the shopping mall-commercial area to proceed with interior decoration only. The space in the CENTRAL EMBASSY TOWER (EXTENSION) will not yet be open to the public until the entire building is completed. And a 6-meter road will be provided around the building to allow fire trucks to easily travel around the building, both the CENTRAL EMBASSY PARK TOWER (ORIGINAL), and the CENTRAL EMBASSY TOWER (EXTENSION), as required by law.	- CENTRAL EMBASSY PARK (ORIGINAL) - CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(5) During construction months 53–55, the CENTRAL EMBASSY TOWER (EXTENSION) commercial area will be opened, and the connection between the CENTRAL EMBASSY PARK (ORIGINAL) and CENTRAL EMBASSY (EXTENSION) will be completed. After the project receives permission to open the CENTRAL EMBASSY TOWER (EXTENSION) commercial area, the above-ground connection from floors 1–7 will be carried out. (6) During construction month 56, permission will be sought to open the CENTRAL EMBASSY TOWER (EXTENSION) office area. The project will proceed with requesting permission to open a portion of the CENTRAL EMBASSY TOWER (EXTENSION), specifically the office area. This will involve submitting legal permits and allowing office tenants to proceed with interior decoration in each section only. The space in the CENTRAL EMBASSY TOWER (EXTENSION) will not be open to the general public until the entire building is completed. (7) Construction phase 57-60: Connection phase of CENTRAL EMBASSY PARK TOWER (ORIGINAL) and CENTRAL EMBASSY TOWER (EXTENSION). After the project received permission to open the CENTRAL EMBASSY TOWER (EXTENSION) in the commercial and	- CENTRAL EMBASSY PARK (ORIGINAL) - CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	office area, the project continued to connect the above-ground sections from floors 1–7.			
	2) During any changes to the 6-meter road layout of the original tower, the project must notify the relevant authorities of the change in the 6-meter road plan before proceeding. 3) Two ambulance or emergency vehicle areas with the following details: (1) One area on the East side of the building, 2.5 meters wide (not less than 2.4 meters), 7 meters long (not less than 7 meters), and a distance of 30 meters (not more than 60 meters) along the walkway from the fire elevator. (2) One area on the South side of the building, 2.5 meters wide (not less than 2.4 meters), 7 meters long (not less than 7 meters), and a distance of 57 meters (not more than 60 meters) along the walkway from the fire elevator.	- CENTRAL EMBASSY PARK (ORIGINAL) - CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4) Three aerial work platform parking areas. Details are as follows: (1) Point 1: Located on the East side, 16 meters long and 8 meters wide. This point can be used to assist construction workers on the East side at the passenger pick-up/drop-off points on the connecting floors 2 to 7 of the building. (2) Point 2: Located on the East side near the entrance/exit of the original CENTRAL EMBASSY PARK TOWER, 16 meters long and 8 meters wide. This point can be used to assist visitors to the CENTRAL EMBASSY PARK PROJECT (Original) at the passenger pick-up/drop-off points on floors 7 and 8 of the original CENTRAL EMBASSY PARK TOWER. (3) Point 3 is located on the West side, 16 meters long and 8 meters wide, with 1 point available. It can provide assistance to construction workers on the West side at the pick-up/drop-off point on the connecting floors from the 2nd to the 7th floor of the building.			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	Fire alarm system 1) Manual pull-type alarm devices are installed inside the CENTRAL EMBASSY TOWER (EXTENSION) during construction, near stairwells and corridors. These devices will transmit alarm signals to the control room of the CENTRAL EMBASSY PARK TOWER (ORIGINAL), ensuring that the CENTRAL EMBASSY PARK TOWER (ORIGINAL) is notified simultaneously and can implement its safety plan for employees and building visitors. 2) Early Fire Detection system: Cameras are installed to clearly capture moving target areas, covering the entire construction site, especially the connecting area between the CENTRAL EMBASSY PARK TOWER (ORIGINAL) and the CENTRAL EMBASSY TOWER (EXTENSION)	- CENTRAL EMBASSY PARK (ORIGINAL) - CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** **1. Fire prevention measures** **1. Fire prevention measures**	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1) Fire extinguishing system project according to the construction activity phases of the CENTRAL EMBASSY TOWER (EXTENSION) as follows: (1) Construction phase months 1–13, which is the pile foundation and retaining wall work phase. Therefore, the project has arranged a fire extinguishing system consisting of: - A water reserve tank with a capacity of 90 cubic meters during construction. In case of fire, the project will use this water for initial fire suppression. - Seven portable fire extinguishers with Fire Rating 6A20B, using dry chemical powder, are installed in the temporary office area, concrete mixing plant, assembly area, workers' quarters, and areas where sparks may occur. (2) Construction phase months 14–23, which is the foundation and basement work phase. During this period, there is no connection between the basement areas of the CENTRAL EMBASSY PARK TOWER (ORIGINAL)			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	and the CENTRAL EMBASSY TOWER (EXTENSION). Therefore, the project has arranged a fire extinguishing system consisting of:			
	- Water reserve tank for use during construction, with a capacity of 90 cubic meters. In case of fire, the project will use this water for initial fire suppression. - Portable fire extinguishers, Fire Rating 6A20B, with 7 dry chemical fire extinguishers installed in the temporary office, concrete mixing plant, assembly area, workers' quarters, and areas where sparks may occur. - Sand buckets for covering or extinguishing small fires, especially those caused by flammable liquids or materials that cannot be extinguished with water, such as oil or certain chemicals. - Fire blankets for covering to cut off air and extinguish fires on objects or people's clothing, as well as for covering equipment or areas where small fires occur to prevent the spread of flames.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(3) Construction phase months 24–36, which includes foundation and basement work. This phase involves connecting the basement areas between the CENTRAL EMBASSY PARK TOWER (ORIGINAL) and the CENTRAL EMBASSY TOWER (EXTENSION), along with structural work and the installation of permanent building utilities such as electrical systems, ventilation systems, fire extinguishing systems, and fire alarm systems. Therefore, the project has provided a fire extinguishing system consisting of:			
	- Water reserve tanks, with the same details as during the construction period, months 1-23. - Portable fire extinguishers (Fire Rating 6A20B) installed in the following areas: - 7 dry chemical fire extinguishers installed in the temporary office area, concrete mixing plant, assembly area, workers' quarters, and areas where sparks may occur.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Installed inside the CENTRAL EMBASSY TOWER (EXTENSION) as follows: (1) Dry chemical fire extinguishers, suitable for Class A fires (ordinary materials such as wood and paper), Class B fires (flammable liquids such as oil), and Class C fires (electrical equipment). (2) Carbon dioxide (CO2) fire extinguishers, suitable for Class B and C fires, especially in areas with electrical equipment where it is desired to avoid leaving residue after use. (3) Foam fire extinguishers, suitable for Class A and B fires, especially in areas with flammable liquids.			
	(4) Construction phase 37–52, which includes structural work and installation of permanent building utilities such as electrical systems, ventilation systems, fire extinguishing systems, and fire alarm systems, as well as	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	interior and exterior finishing work. Therefore, the project has provided a fire extinguishing system consisting of: - Water reserve tanks - Portable fire extinguishers, Fire Rating 6A20B The details of the fire extinguishing system installation are the same as during the construction phase of the CENTRAL EMBASSY TOWER (EXTENSION), months 24–36. (5) During construction phase months 53–60, which included structural work and the installation of permanent building utilities such as electrical systems, ventilation systems, fire extinguishing systems, and fire alarm systems, as well as the connection work between the upper-level areas of the CENTRAL EMBASSY PARK TOWER (ORIGINAL) and the CENTRAL EMBASSY TOWER (EXTENSION), the project provided a fire extinguishing system consisting of:			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Portable fire extinguishers with Fire Rating 6A20B installed inside the CENTRAL EMBASSY TOWER (EXTENSION) as follows: (1) Dry chemical fire extinguishers (2) Carbon dioxide (CO2) fire extinguishers (3) Foam fire extinguishers The details of the fire extinguishing system installation are the same as during the construction phase of the CENTRAL EMBASSY (EXTENSION) TOWER, months 24–36.			
	- A total of 18 fire hose cabinets (FHCs) with equipment have been installed at the CENTRAL EMBASSY (EXTENSION), near the CENTRAL EMBASSY PARK TOWER (ORIGINAL). These cabinets receive water from the CENTRAL EMBASSY TOWER (EXTENSION) water tank and can provide firefighting support in areas inaccessible to fire trucks. Details are as follows: (1) From basement level B01 to level F09, fire hose cabinets (FHCs) with pressure reducing valves are	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	installed to maintain a working pressure of at least 65 psi (4.5 bar) but not exceeding 100 psi (6.9 bar), as per the standards set by the Engineering Institute of Thailand under the Royal Patronage (EIT). (2) On level F10, a fire hose cabinet (FHC) with a pressure of 100 psi (6.9 bar) is installed, as it does not have pressure control equipment. This allows for longer-distance firefighting support, particularly covering a larger area of the CENTRAL EMBASSY PARK (ORIGINAL).			
	- Temporary Fire Hydrant Inlets (FDC): Install two sets of temporary fire hydrant inlets (FDC) measuring 2 1/2 x 2 1/2 x 6 inches. These are connected to the project's fire water tank and standpipe system and are operational from the 52nd month of construction onwards. - Standpipe System: Install two standpipes and two 65 mm fire hydrant inlets. The fire water inlet pipes have	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	a diameter of 150 mm and can handle a water flow rate of at least 500 gallons/minute. A portable diesel-powered fire pump with a capacity of 250 gallons/minute will be installed, capable of delivering water at a pressure of at least 45 meters, covering areas up to the 8th floor. 2) Assign a safety officer to inspect areas at risk of fire regularly every day, both day and night, and to carry an Automated External Defibrillator (AED) to respond to any emergencies that may occur. 3) Install a ventilation system within confined spaces to ensure efficient air circulation and reduce the risk of potential hazards.			
	4) Provide a fire escape plan for the construction phase, showing the locations of various fire extinguishing equipment. This plan should be clearly visible at the field office, and a copy should be kept within the field office for easy inspection of equipment locations and areas in case of fire.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	5) The Occupational Safety Officer (OSO) must identify fire-prone areas and inspect these areas regularly, day and night. 6) Flammable or explosive materials stored at the construction site must be kept in a secure area only as necessary for daily use. 7) Designate a designated area for storing fire-resistant materials or chemicals, with clear warning signs. 8) Install signs in areas where flammable or explosive materials are stored as follows: (1) Warning signs for unauthorized persons to avoid areas containing flammable or explosive materials. (2) Signs indicating "Danger," "No Smoking," "Do Not Create Sparks," or "Do Not Carry Ignition Devices," or other similar warnings depending on the properties of the flammable or explosive materials, clearly visible in that area.			
	9) Designate two assembly points using the vacant space on the east and west sides, with an area of approximately 570 square meters, capable of accommodating 2,280 people,	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	sufficient for 1,400 construction workers and permanent construction office staff. 10) Designate a smoking area with signs prohibiting smoking. A no-smoking policy and penalties for violators must be established. 11) Post signs providing instructions on the proper and immediate use of each type of fire extinguisher at its location so that those near the scene can use it correctly and promptly. 12) Regularly inspect fire extinguishers to ensure they are in working order. If any are found to be damaged or unusable, immediate repairs must be made. 13) Provide a fire evacuation route plan during the building's structural and finishing phases, clearly showing evacuation routes on the building's staircases. Ensure that no debris, machinery, or other objects obstruct the fire escape routes. 14) Fire escape staircases and fire escape routes must be at least 1.10 meters wide. 15) Provide a fire extinguishing water reserve tank.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	16) Implement strict worker control measures by separating worker accommodations from the construction area and posting signs prohibiting activities that generate sparks in the construction area, such as cooking and lighting candles, to prevent fires.			
	17) Collect, sort, and dispose of flammable waste and debris outside the construction site. 18) Do not use temporary electrical wiring or multiple extension cords connected in a row, as this can exceed the rated current, causing high heat and fire from short circuits. 19) Store construction equipment in a safe area, especially alcohol, thinner, glue, and gas cylinders. These should be kept away from sources of sparks or metal welding to prevent sparks from igniting fires. 20) Do not paint or spray paint in areas with metal welding, as sparks will react with thinner and cause a fire. 21) Install a transformer in the construction site to control electricity usage and prevent overcurrents that can cause fires.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	22) Install an electrical control panel and automatic circuit breakers in the construction area. 23) When metal welding is performed in the construction site, provide a shield against sparks or use fire-resistant fabric to cover flammable materials to prevent sparks from igniting fires. 24) Avoid working with sparks and heat near potentially flammable materials. Fire extinguishers must be provided in the appropriate quantity and type to ensure timely extinguishment of any fire.			
	25) Do not pour fuel or flammable liquids into water pipes or drainage pipes. 26) Before ending work, switch off the power to all unused electrical equipment. 27) Check that electrical equipment is in good working condition. Wires should not be torn, bulging, swollen, frayed, or cracked, as this poses a risk of short circuit and fire.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	28) Assign security personnel to prevent unauthorized access to the construction site and report any potential fire hazards to the relevant authorities immediately. 29) Provide a fire evacuation route plan during the building's structural and finishing phases. The plan should clearly show evacuation routes on the building's staircases and ensure that no debris, machinery, or other objects obstruct fire escape routes or staircases. Fire escape routes must be at least 1.1 meters wide.			
	30) Regularly provide fire prevention training and evacuation drills for construction workers to raise awareness and encourage their participation in fire prevention, ensuring they can safely evacuate the building in the event of a fire. This involves coordinating with the Phaya Thai Fire and Rescue Station to conduct fire evacuation training and drills for the project at least once a year, and submitting the project's fire evacuation plan to the Phaya Thai Fire and Rescue Station.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	31) Install the emergency fire hotline numbers 199, Phaya Thai Fire and Rescue Station, and Lumpini Metropolitan Police Station in easily visible locations within the construction area so that those near the scene can immediately notify the relevant agencies.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	32) The Safety Manager must hold a meeting with staff every morning before work to train and remind them of construction safety, as well as report any incidents that have occurred and emphasize the need for increased caution during work. After the meeting, a group exercise session should be held to ensure physical fitness and readiness for work. 33) A Safety Meeting should be held once a week, with participation from both the Safety and Construction departments. This meeting should summarize incidents and various safety indicators for the week, including the number of safety hours, accident risk (Incident Accident), and risk assessment. For key construction phases, proposals should	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Occupational Safety and Health Officers (OSH Officers) at least 2 persons - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	be made regarding work methods to avoid or prevent potential risks (Construction Method).			
	34) The project must comply with the recommendations of the Fire Protection Standards of the Engineering Institute of Thailand, 2016, such as: 34.1) Provide a fire extinguishing water system and related equipment that can adequately extinguish initial fires in all parts of the building.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	34.2) Provide portable fire extinguishers according to the type of fire, which comply with the standards set by the Thai Industrial Standards Institute or by the Director-General. 34.3) In locations with a high or moderate risk of fire, the employer shall provide a fire extinguishing water system and related equipment, as well as portable fire extinguishers. 34.4) Install clearly visible signs indicating the location of fire extinguishing equipment.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	34.5) Install fire extinguishing equipment in a clearly visible location, free from obstructions, and easily accessible at all times. 34.6) Arrange for monthly maintenance and inspection of fire extinguishing equipment to ensure it is in good working condition, or according to the manufacturer's specified intervals. A label showing the inspection results and the date of the last inspection shall be affixed to the equipment, and the inspection results shall be kept available for inspection by the safety inspector. 34.7) In locations with a high or moderate risk of fire, the project shall assign personnel to be on duty for firefighting at all times during work hours and provide sufficient personal protective equipment for firefighting and training, such as firefighting coats, boots, gloves, helmets, and heat/smoke masks, for the number of firefighters.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2. Fire warning measures 1) Install fire alarm equipment with loudspeakers that can be heard throughout the building. 2) Install 9 CCTV cameras inside and around the project construction area, along with a control room. The camera angles should cover the construction material storage area, garbage bins, sediment traps, vehicle wheel washing area, environmental quality monitoring equipment installation points, water treatment ponds for testing water quality before discharge outside the project, guardhouse, workers' canteen, restrooms, wastewater treatment tanks, water storage tanks, and the construction site staff office, etc., to monitor order and safety within the project and surrounding areas. The cameras should be capable of capturing images at night and able to store recorded footage for later review. 3) During construction months 14–23, this includes: (1) Installation of mobile alarm/portable horn-strobe signals at key locations on the construction site, such as material storage areas, worker work areas, and electrical connection points. These	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	signals can be activated from multiple locations within the construction site to provide immediate emergency notification. (2) Installation of portable smoke and gas detectors in basement work areas and other high-risk areas. This aims to enhance safety and reduce the risk of fire during construction.			
	4) Construction phase months 24–60 includes: (1) Manual pull-type alarm systems installed inside the CENTRAL EMBASSY TOWER (EXTENSION) during construction, on stairwells and in hallways, with alarm signals connected to the control room of the CENTRAL EMBASSY PARK TOWER (ORIGINAL). (2) Early Fire Detection system installed covering all construction areas, especially the connecting area between the CENTRAL EMBASSY PARK TOWER (ORIGINAL) and the CENTRAL EMBASSY TOWER (EXTENSION).	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
4.5 Public Participation and Community Relations	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-
	- Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) for impacts from construction within the extension area: 1. Install clearly visible public information signs along the fence adjacent to Ploenchit Road, Witthayu Road, and Soi Somkid, as detailed in Section 1.1, Topography. 2. Publicize the project construction by sending various documents via mail as tangible evidence and distributing them by hand. The documents include:	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1) Summary table and complete table of EIA prevention and mitigation measures and EIA monitoring measures during construction. 2) Details/diagram of the complaint process and procedures for compensation in case of damage. 3) Channels for receiving complaints from nearby communities, including the name and surname of the person receiving the complaint, telephone number, social media networks (e.g., project website and LINE Official Account, etc.), mailing address, installation of suggestion boxes at the guardhouse, and direct contact with officials at the project office. 3. Implement measures to prevent and mitigate various impacts, including physical, biological, and human use values. To avoid impacting nearby residents: 4. Construction workers are not permitted to stay overnight in the construction area. 5. Establish a Corporate Social Responsibility (CSR) policy to foster good relationships and social and environmental responsibility in various			

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	aspects of the project during construction, with at least three activities per year, such as: 1) Supporting the SOMKID WALK project, a landscape and pedestrian walkway improvement project in Soi Somkid, totaling 450 meters, in collaboration with Nai Lert Group and BDMS Wellness Clinic Co., Ltd. 2) Activities with the community surrounding the project. 3) Coordinating with the Pathumwan District Office to dredge the drainage pipes along Witthayu Road, along the entire project area, once a year (before the rainy season) to ensure efficient water drainage.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
4.6 Handling complaints and providing compensation to those affected.	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.**	-	-	-

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Publicize the project through various means, including posting promotional signs and distributing documents, as detailed in Section 1.1 Regarding the topography. 2. Upon commencement of construction, a complaint coordination flowchart must be prepared and submitted to the Pathumwan District Office. 3. Arrange for officials to meet with representatives of nearby houses/buildings to listen to the impacts they have experienced from the project construction and to discuss solutions together throughout the construction period. 4. The project owners (Central & Hongkong Land Co., Ltd. and Tieng Chirathivat Real Estate Co., Ltd.) are responsible for proving whether or not the impacts were caused by the project development. Central & Hongkong Land Co., Ltd. and Tieng Chirathivat Real Estate Co., Ltd. will bear all costs associated with this verification process.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	5. Establish a Working Group to gather information, listen to opinions, and consider technical issues related to the physical environment arising from construction activities and the commencement of the project, to inform project decision-making. The Working Group will comprise representatives from the project, the architectural designer, and the building systems engineers, as well as other relevant parties as appropriate, to work collaboratively with the Sivatel's Working Group. The Working Group will consider informational issues and technical limitations. The Working Group's work is solely to support the project's decision-making process and information gathering; it is not intended to mediate disputes, make final judgments, or serve as a condition for delaying, suspending, or altering the project's construction plan. The project will continue to proceed as planned and as legally permitted. 6. Appoint qualified and independent experts to provide academic opinions on complex issues or those with multifaceted impacts, to ensure a transparent, fair, and comprehensive process for addressing concerns.	- Sivatel Building	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	The selection of these experts will be conducted by the project, giving those with concerns the opportunity to submit opinions or suggestions regarding appropriate qualifications or areas of expertise for the project's consideration. The opinions or suggestions of the independent experts will be considered only as academic information and will not constitute a final decision, ruling, or legally binding obligation. They will not affect the rights of the project or those with concerns to pursue any related legal processes in the future. The independent expert committee will consist of 5 members: 1) One expert in economics and impact assessment: • For example, a university professor in economics or business administration with expertise in economic impact assessment. 2) One expert in business management and risk management: • For example, a senior executive with expertise in integrated real estate business management or an expert in risk management. 3) One expert in sustainability and social responsibility: • For example, a university professor in environmental science.	- Sivatel Building	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	4) One expert in engineering: • For example, a university professor in civil engineering, systems engineering, or environmental engineering.			
	5) One qualified expert in architecture. • For example, a university professor in the field of architecture. The work of this joint working group will only proceed for the period necessary to consider the issues raised and will end when clear recommendations or solutions are obtained, or when the project has established measures to address that issue. In the event of additional complaints that are the same issue or are related to the issues already considered and for which measures have been established, the project may use those measures in its proceedings. Further action will be considered on a case-by-case basis. Furthermore, if both parties cannot reach an agreement, the dispute resolution act will be followed according to the Dispute Resolution Act B.E. 2562 (2019). If such mediation involves costs, the project owner will be responsible for all expenses. To ensure a transparent, fair, and appropriately participatory process, the project has stipulated that the selection of independent	- Sivatel Building	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	experts to serve on the committee will be a process that allows both the project and the concerned parties to participate in nominating experts in the relevant fields. The appointed experts must have no vested interest in the project or the concerned parties and possess appropriate academic and professional qualifications.			
	The appointment of independent experts will be based on the mutual agreement of both parties to ensure that the independent expert committee can perform its duties impartially, transparently, and with the credibility of all parties. In the event that the project team and the party with concerns cannot reach an agreement on the selection of independent experts, both parties may consider using the mediation process under the Dispute Resolution Act B.E. 2562 (2019) or proceeding with other relevant legal processes as appropriate, without affecting the rights of either party.	- Sivatel Building	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	7. The project Outlines mitigation measures as follows: Option 1: Repair / Cleanup / Direct Impact Correction - Project will address or mitigate direct impacts according to a mutual agreement between project and those affected. Details are as follows: 1) Health Benefits - In cases where individuals are affected by dust pollution from the construction project and experience allergies, rashes, or other irritations, they can apply for compensation for medical expenses. This requires attaching a medical certificate or medical document detailing the illness and the doctor's opinion on whether the symptoms are consistent with, or may be related to, exposure to dust or environmental irritants, along with supporting evidence such as the duration of symptoms and location of residence. The project will provide compensation based on medical information, along with data on construction activities and dust control measures, and the results of air quality monitoring by the project, to ensure fairness to all parties.	- Neighbouring houses/building	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2) Cleanness **2.1) New House Condominium** - The project is willing to clean the front of the New House Condominium building twice a year until construction is completed. - The project is willing to repaint the New House Condominium building after construction is completed. - The project is willing to clean the air conditioners in the New House Condominium building twice a year from the start of construction until the project is completed.	- New House Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons
	2.2) Sivatel Building - Swimming Pool: The project is pleased to arrange for daily cleaning of the Sivatel building's swimming pool by dedicated staff. The project will also cover the cost of replacing the pool filter media as needed, from the start of construction until the exterior facade or glass facades of the building are completed.	- Sivatel Building	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Exterior Glass Facades: The project will cover the cost of cleaning the exterior facade of the Sivatel building twice a year, from the start of construction until the exterior facade or glass facades of the building are completed. - Cooling System: The project will cover the cost of cleaning the condensing units (condensing units) of the office and hotel areas twice a year for the Sivatel building, from the start of construction until the exterior facade or glass facades of the building are completed. The compensation for these impacts is based on standard building maintenance. However, if the Sivatel building has different maintenance schedules, please inform the project to discuss solutions together.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- The 8th floor area of the Sivatel building (outdoor swimming pool and semi-outdoor dining area) was renovated by installing aluminum-framed glass walls with entrance doors in the original semi-outdoor dining area. A vertical green space with a misting system was also installed to mitigate dust and noise pollution along the building's perimeter facing the project, thereby reducing the impact of dust, noise, visual disturbance, and privacy.	- Sivatel Building	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons
	- Install air purifiers in common areas within the Sivatel building. - If noise reduction mitigation measures have been implemented in the project area but noise disturbances still persist for hotel guests, a joint investigation will be conducted between the project and Sivatel to determine whether the measured noise levels inside the rooms exceed the legal standards or if there are complaints from hotel guests. The project will improve the hotel's all affected guestrooms by installing double-glazed windows to enhance sound insulation and reduce noise disturbance.	- Sivatel Building	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Regarding business impact mitigation, a working group will be established in conjunction with the Sivatel building management team to find concrete solutions. However, if Sivatel does not wish to receive compensation from the project and a mutual agreement cannot be reached or if conflicts remain, the project will establish a process in accordance with the Dispute Resolution Act B.E. 2562 (2019).			
	2.3) Embassy of Switzerland -The project will gladly take responsibility for cleaning the facade, windows, swimming pool, solar panels, and air conditioning system of the Embassy of Switzerland at least four times a year throughout the construction of the tower extension, and cleaning the windows after construction is completed.	- Embassy of Switzerland	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2.4) Somkid Gardens Condominium - Swimming Pool: The project will arrange for staff to clean the swimming pool of the Somkid Gardens Condominium at least 4 times a year throughout the construction period. - Exterior Walls: The project will cover the cost of cleaning the exterior facade of the Somkid Gardens Condominium once a year throughout the construction period. - Air Conditioning System: The project will clean the air conditioning system in the common areas of the Somkid Gardens Condominium twice a year (coordinates will be contacted with the Somkid Gardens Condominium maintenance team to determine the schedule) from the start of construction until the exterior facade or glass facades of the project building are completed.	- Somkid Gardens Condominium	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	2.5) House No.39 - Swimming Pool: The project will arrange for staff to clean the swimming pool at least once a year throughout the construction of the extension tower. - Exterior Walls: The project will cover the cost of cleaning the exterior facade at least once a year throughout the construction of the extension tower.	- House No.39	- Throughout the construction/ demolition	- Construction Engineer (Engineer Environment) at least 1 person - Project Manager: at least 2 persons
	Option 2: Compensation in the form of damages. 1) A reserve fund of 15,000,000 baht (fifteen million baht) will be established for initial compensation. In the event of damage to neighboring buildings, the project will compensate for the initial estimated damage without waiting for insurance company assessments. The company will then subsequently claim compensation from the insurance company. The criteria and conditions for paying compensation or taking corrective action for individuals affected will be in accordance	- CENTRAL EMBASSY (EXTENSION) - Neighboring houses/Building	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	with the agreement between those affected and the project owner/developer. Furthermore, if both parties (the project owner and neighboring residents who may be affected) cannot reach an agreement, the dispute resolution process under the Dispute Resolution Act B.E. 2562 (2019) will be initiated, with the project developer bearing all costs of the mediation process (if any).			
	2) The project will provide measures to address complaints from the Sivatel regarding loss of revenue due to hotel guests being affected by the project's construction activities. Option 1: Individual Compensation Based on Actual Costs (1) In cases where hotel guests who have booked rooms in advance and have already stayed there complain that they are directly affected by noise or construction activities of the project and cancel their stay before the scheduled time, the project will consider compensating the hotel for the room cost on a case-by-case basis, based on the value of lost revenue for the actual number of nights the guest canceled (e.g., if a guest booked 3 nights, stayed 1 night, and canceled due to	- Sivatel	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	disturbance from construction activities, the project will consider compensating the hotel for the remaining 2 nights). (2) In cases where a guest arrives at the hotel and checks in but cancels before check-in because they just learned that there is a construction project underway opposite the hotel, and therefore requests a refund, citing concerns about being affected by the construction, the project is willing to consider compensating the hotel for such lost revenue. (3) If, during the construction period, any other cases occur where Sivatel guests cancel their stay or request a refund for reasons other than those related to the project's construction activities, the hotel can provide details to the project, along with supporting information, for the project to consider and jointly investigate the facts. The project will consider appropriate remedies on a case-by-case basis. (4) Compensation in points (1) to (3) above: The project will consider compensation for damages in the event of cancellation of customer room reservations due to the construction of the project, using the booking information and			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	related evidence of the Sivatel Hotel as the basis for consideration. (5) Compensation in points (1) to (3) above: The assessment and payment of compensation will be carried out annually throughout the construction period (5 years), with retroactive payments after the assessment and mutual agreement.			
	Alternative 2: Overall compensation calculated based on statistical data. - The project will consider remedies in the event of cancellations of bookings or impacts on the operations of the Sivatel, which, based on a review of all available information, are reasonably believed to be related to the project's construction activities. The consideration will rely on overall statistical data and relevant evidence from the hotel, examined on a case-by-case basis, as follows: (1) Use overall hotel statistical data for case-by-case consideration, including: - Occupancy Rate - Number of Guests	- Sivatel Building	- Throughout the construction/ demolition	- Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- Revenue from Services (2) Compare data during the affected period with past averages, including: - Average for the same month over the past 2-3 years (to reflect tourist seasons) - Average before project construction (3) Consider ongoing trends in change, not just changes specific to a particular period. (4) Take into account external factors that may affect the hotel's operations, such as: - Tourist statistics at the national or Bangkok level. - Average occupancy rate of hotels in the same area. - Special events, economic recession, disease outbreaks, or government measures. - Hotel management approaches, such as promotions, space management (renovations, repositioning, marketing), etc. - The state of the country's tourism industry.			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	(5) Verify the temporal consistency between periods of declining operational statistics and periods of high-intensity construction of the project. If there is a discrepancy, it will not be considered a direct project impact. (6) Consider qualitative data, such as customer complaints or evidence, to support the overall analysis. (7) The determination of remedial measures will be on a case-by-case basis and must be agreed upon by both parties, taking into account the facts and context of each period. The determination of compensation guidelines (if any) will be on a case-by-case basis, taking into account the facts, evidence, and context of each period, and will be used as supporting information for the project, under legal, technical, and operational limitations. In the event that compensation is considered under this guideline, the assessment and payment of compensation will be carried out annually after the verification of facts and mutual agreement. It will be a retroactive payment and only for the period during which damage related to construction			

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	activities occurred throughout the construction period (5 years) of the project.			
	8. Provide third-party liability insurance, covering life and property, in the amount of 350,000,000 baht per incident, with no limit on the number of incidents. A copy of the insurance policy schedule shall be displayed within the construction area. 9. In the event that both parties (project owner and affected party) cannot reach an agreement or have a conflict, the dispute resolution process under the Dispute Resolution Act B.E. 2562 (2019) shall be initiated. The project developer shall be responsible for all costs associated with the mediation process (if any). 10. The project must analyze the incident to prevent recurrence and establish additional measures if the previously established measures are insufficient to mitigate the impact.	- CENTRAL EMBASSY (EXTENSION) - Neighbouring houses/building	- Throughout the construction/ demolition	- Project Manager: at least 2 persons
	11. In the event of damage to adjacent buildings, the criteria and conditions for compensation or mitigation of the impact on individuals affected by the project's construction shall be in accordance with the agreement between the affected individuals and the project. The project must compensate for the damages incurred first, without	- CENTRAL EMBASSY (EXTENSION) - Neighbouring houses/building	- Throughout the construction/ demolition	- Project Manager at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	waiting for insurance claims. The project shall then subsequently claim compensation from the insurance company. This includes compensation for lost time for homeowners/building owners who have to supervise/control the work, as well as loss of privacy due to repairs by contractors. The criteria and conditions for compensating individuals affected by the construction shall be in accordance with the agreement between the affected individuals and the project, and there must be verifiable evidence that the damage was caused by the project's construction.			
4.7 Construction measures to control and supervise building construction and prevent construction discrepancies.	- Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.	-	-	-
	- Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.	-	-	-

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) regarding construction impacts within the extension area.** 1. Ensure high-quality construction practices using AutoCAD and Sketchup software to create accurate and precise drawings that conform to the design, preventing model clashes. This also includes verifying the accuracy of the drawings and performing on-site measurements using standardized methods and tools. 2. Select experienced and skilled contractors with a policy of prioritizing those who have previously constructed buildings for project owners. 3. Hire a project management company to oversee and ensure the quality and compliance with the design specifications. 4. Maintain in-house personnel at the construction site to represent the project owner and ensure the quality and compliance with the design specifications.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons - Project Manager: at least 2 persons

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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	5. A surveying instrument should be installed to check level readings from the start of foundation construction to the roof. If any problems are found that cause the height to exceed the designed value, it must be inspected and corrected as soon as possible. 6. For each floor, the scaffolding should be erected using the reference height for that floor to verify the height of each floor before pouring the concrete slab. 7. The building boundaries and opening layouts should be marked on the formwork according to the specified dimensions. 8. Once the concrete slab is poured, the brick walls layout lines and door openings should be marked on the concrete floor according to the specified dimensions. 9. Brick walls/door frames and fire escape staircases should be installed according to the design, and the dimensions should be checked against the design. Only plastering begins once everything is in accordance with the design.	- CENTRAL EMBASSY (EXTENSION)	- Throughout the construction/ demolition	- Construction Engineer (Civil Engineer) at least 3 persons - Project Manager: at least 2 persons

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CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
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Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
4.8 Applying for a hotel license renewal.	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) that have been approved and must continue to be implemented throughout the operational period.**	-	-	-
	- **Additional Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY PARK TOWER (ORIGINAL) to address the impacts of the extension construction.** 1. The project has appointed a consulting firm to handle the application for renewal of the hotel business license in advance and coordinate with relevant agencies to ensure compliance with legal requirements and conditions, so that the license renewal process is smooth and continuous. 2. If the hotel business license renewal cannot be completed, resulting in the hotel having to close its services, the project will take the following actions:	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Environmental components and various values	Environmental Impact Prevention and Mitigation Measures	Location	Period	Responsible Party
	1) Actions towards hotel guests: - Formal advance notification. - Assistance in arranging alternative accommodation in hotels of similar standards, or a full refund without deduction of any expenses. - Establishing a dedicated contact point via Call Center or email. to resolve individual issues.			
	2) Actions taken regarding the employee: - Full payment of all legal benefits. - In the case of a temporary suspension, consideration may be given to job transfer/training/unpaid leave, with the employee's consent.	- CENTRAL EMBASSY PARK (ORIGINAL)	- Throughout the construction/ demolition	- Operation Team or Project Management Team
	- **Environmental Impact Prevention and Mitigation Measures for the CENTRAL EMBASSY TOWER (EXTENSION) for impacts from construction carried out within the extension area.**	-	-	-

Table 2 Environmental Impact Prevention and Mitigation Measures during the Construction Phase of the Extension Tower, LPG Storage Building Construction, and Construction/Demolition Sale Galley Building of Project (Residential Marketing Suite)
CENTRAL EMBASSY PROJECT (EXTENSION) of Central and Hongkong Land Co.,Ltd. and Tiang Chirathivat Real Estate Co.,Ltd.
Located at Phloen Chit Road, Lumphini, Pathumwan, Bangkok

Note:

1. Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. (Project Owners) must strictly comply with environmental impact prevention and mitigation measures and submit reports on the results of compliance with these measures to the relevant agencies and the Pathumwan District Office every 6 months, in accordance with Section 51/5, first paragraph, of the National Environmental Quality Promotion and Preservation Act B.E. 2535 (amended by Act No. 2, B.E. 2561). Failure to submit the report is subject to a fine not exceeding one million baht.
2. In cases where affected parties cannot reach an agreement, the dispute resolution process under the Dispute Resolution Act B.E. 2562 shall be initiated, with the project owner responsible for the mediation fees.
3. The project owner must inform all main and subcontractors of the project details and measures stipulated in the project's Environmental Impact Assessment report and specify these measures as a condition in the construction contract, requiring contractors to strictly comply. Failure to comply will be considered a breach of contract and a violation of the conditions attached to the construction permit.
4. During the construction phase of the tower extension. The construction of the LPG gas tank building and the construction and demolition of the residential marketing suite for the project, Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. have adopted a plan to assign a single legal entity to operate and manage the CENTRAL EMBASSY PARK (ORIGINAL) and CENTRAL EMBASSY TOWER (EXTENSION). This legal entity may be a newly established entity or an existing one, and will be responsible for the operation and management (Single Operator) of various aspects, such as building management, utilities, safety, environment, and emergency management for both the original and extension towers, to ensure unified management.

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
● **CENTRAL EMBASSY PARK (ORIGINAL) TOWER**					
1. Water Quality **1.1 Wastewater Quality Before Treatment**	- pH - BOD - Total Suspended Solids - Total Dissolved Solids - Sulfide - TKN (Total Kjeldahl Nitrogen) - Oil and Grease (Fat Oil and Grease)	- Electrometric Method (4500-H+B.) - 5 Day BOD Test (5210 B.) - Suspended Solids Dried at 103-105°C Method (2540 D.) - Suspended Solids Dried at 180 ° C Method (2540 C.) - Iodometric Method - Macro-Kjeldahl Method (4500-NorgB.) - Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	- Wastewater collection pipe before the aeration pond	- Once per month Throughout the construction/demolition period	- Operation Team or Project Management Team / Company that certified and registered as a private analytical laboratory by the Department of Industrial Works

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
1.2 Wastewater Quality After Treatment	- pH - BOD - Total Suspended Solids - Total Dissolved Solids - Sulfide - TKN (Total Kjeldahl Nitrogen) - Oil and Grease (Fat Oil and Grease)	- Electrometric Method (4500-H+B.) - 5 Day BOD Test (5210 B.) - Suspended Solids Dried at 103-105°C Method (2540 D.) - Suspended Solids Dried at 180 ° C Method (2540 C.) - Iodometric Method - Macro-Kjeldahl Method (4500-NorgB.) - Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	- Storage pond before discharge to centralized wastewater treatment system Phase 1 (Din Daeng)	- Once per month Throughout the construction/demolition period	- Operation Team or Project Management Team/ Company that certified and registered as a private analytical laboratory by the Department of Industrial Works
1.3 Inlet Water Quality and Outlet of Cooling Tower	- pH - Coliform bacteria (Total Coliform Bacteria)	- Electrometric Method (4500-H+B.) - Multiple Tube Fermentation Technique	- Water storage pond for Cooling Tower	- Every 6 months Throughout the construction/demolition period	- Operation Team or Project Management Team/ Company that certified and

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Chlorine (Residual Chlorine) - Legionella bacteria	- Diethyl-p-phenylene diamine (DPD) - Collect and analyze Legionella bacteria			registered as a private analytical laboratory by the Department of Industrial Works
2. Water Supply	- Cracking or leakage of water supply pipes	- Inspected by responsible staff	- Water supply pipelines	- Once per month Throughout the construction/demolition period	- Operation Team or Project Management Team
3. Solid Waste	- Volume of accumulated waste - Cleanliness	- Inspected by responsible staff	- At each area waste collection room	- Throughout the construction/demolition period	- Operation Team or Project Management Team

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
4. Fire Prevention System	- Ready-for-use condition	- Inspected by responsible staff	1. Equipment in the fire prevention and alarm system	- Once every 3 months Throughout the construction/demolition period	- Project Management Team
	- Backup battery available at all times and in ready-for-use condition	- Test equipment	2. Emergency power supply system	- Once every 3 months Throughout the construction/demolition period	- Project Management Team
	- Good condition, clearly visible and not faded	- Inspected by responsible staff	3. Fire escape signs, markings, and evacuation route maps	- Once every 3 months Throughout the construction/demolition period	- Project Management Team
	- Ready-for-use condition - Service life / expiry date	- Inspect according to equipment type	4. Fire suppression equipment - Fire extinguisher type (portable)	- Once every 3 months Throughout the construction/demolition period	- Project Management Team

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Ready-for-use condition - Easily accessible	- Inspected by responsible staff	- Fire hydrant inlet	- Once every 3 months Throughout the construction/demolition period	- Project Management Team
	- Tank condition - Water level in tank	- Inspected by responsible staff	- Domestic water storage tank and fire-fighting water tank	- Once per month Throughout the construction/demolition period	- Project Management Team
	- Ready-for-use condition	- Inspected by responsible staff	- Fire hose and fire hose cabinet (FHC)	- Once per month Throughout the construction/demolition period	- Project Management Team
	- Ready-for-use condition	- Inspected by responsible staff	- Sprinkler System	- Once per month Throughout the construction/demolition period	- Project Management Team

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Ready-for-use condition - No obstructions	- Inspected by responsible staff	5. Fire escape stairway andevacuation route	- Once per month Throughout the construction/demolition period	- Project Management Team
5. Ventilation System	- No objects or obstructions	- Inspected by responsible staff	- Natural ventilation openings such as windows and doors	- Once per month Throughout the construction/demolition period	- Project Management Team
6. Quality of Life and Satisfaction of Service Users	- Assess complaints, suggestions, and comments from service users and staff	- Collect and record complaints and problem resolution methods from various channels	- Service users and staff	- Throughout the construction/demolition period	- Project Management Team

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
• CENTRAL EMBASSY (EXTENSION) TOWER					
1. Physical Environmental Resources **1.1 Topography**	- Orderliness / Tidiness	- Inspected by responsible staff	- Construction area	- Daily Throughout the construction/demolition period	- Construction Supervisor (Civil Engineer), at least 3 persons
	- Stability and structural integrity	- Inspected by responsible staff	- Perimeter fence of project site / public relations sign	- Once per week Throughout the construction/demolition period	- Construction Supervisor (Civil Engineer), at least 3 persons
1.2 Soil Resources	- Stability and structural integrity	- Inspected by responsible staff	- Public relations sign	- Once per week Throughout the construction/demolition period	- Construction Supervisor (Civil Engineer), at least 3 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
1.3 Geology	- Damage / impact or complaints from affected parties	- Install comment box at security booth - Provide LINE Official Account to receive complaints and comments	- Within the project site	- Daily Throughout the construction/demolition period	- Construction Supervisor (Civil Engineer), at least 3 persons - Project Manager at least 2 persons
	- Measure movement of soil	- Install horizontal inclinometer (Inclinometer)	- Within project site, 8 points around retaining wall (Diaphragm Wall)	- Install movement gauge forsoil in horizontal direction (Inclinometer) to read initial values	- Construction Supervisor (Civil Engineer), at least 3 persons
	- Check stability of embankment to ensure it is always safe	- Inspected by responsible staff	- At the soil disposal site	- Once per week Throughout the soil disposal period	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
1.4 Air Quality **1) Particulate Matter / Dust**	- Stability and structural integrity Mesh Sheet	- Inspected by responsible staff	- Within the projectarea surrounding the construction building	- Twice per week Throughout the construction/ demolition period	- Project Manager at least 2 persons
	- Particulate matter, size not exceeding 100 microns (TSP) - Particulate matter, size not exceeding 10 micron (PM_{10})	- Collect and analyze samples using Gravimetric - Collect and analyze samples using Gravimetric	1) Within the project site Divided into 1.1) Pile driving and foundation construction activities	- Daily and report measurement results to the district office of Pathumwan every week	- Construction Supervisor Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
			1.2) Duringthe activityof other construction	- Once per month, 3 consecutive days (incl. Saturdays with construction), and report results to the Pathumwan district office every month throughout the entire construction/demolition period	Department of Industrial Works
			2) At floor 8 of the building Sivatel 3) Embassy of Switzerland	- Before the construction of the Tower Extension	- Construction Supervisor Environmental Engineer at least 1 person Department of Industrial Works

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
			4) Within New House Condominium	- Once per month, 3 consecutive days (incl. Saturdays with construction/demolition), and report results to the district office Pathumwan district every month	- Construction Supervisor Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works
	- Particulate matter, size not exceeding 10 micron (PM_{10}) - Particulate matter, size not exceeding 2.5 microns ($PM_{2.5}$)	- Environmental quality monitoring system using Real-time Sensor	1) Within the project site, at the front area of the project	- Real-time monitoring via display screen throughout the construction/demolition period	- Construction Supervisor Environmental Engineer at least 1 person

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
			2) Within Sivatel Building 3) Within the Embassy of Switzerland 4) Within New House Condominium 5) Kids Home Child Care Center	- Real-time monitoring via display screen throughout the construction/demolition period	- Construction Supervisor Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works
	- Air Quality Situation	- Monitor air quality situation	- News or announcements from govt. agencies including the Pollution Control Department and Environmental Office	- Daily Throughout the construction/demolition period	- Construction Supervisor Environmental Engineer at least 1 person

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Damage / impact or complaints from affected parties	- Install comment box at security booth - Provide Line Official Account to receive complaints and comments	- Those living adjacent to the construction project site	- Daily Throughout the construction/demolition period	- Construction Supervisor (Civil Engineer), at least 3 persons - Project Manager at least 2 persons
2) Air Pollution in the Area	- Concentration of carbon monoxide (CO) - Concentration of hydrocarbon compounds (HC)	- Collect and analyze samples using Non-dispersive Infrared Detection - Collect and analyze samples using Flame Ionzation Detection Method	1) Within the project site 2) Within New House Condominium	- Once per month, 3 consecutive days (incl. Saturdays with construction/demolition) During the construction period other activities, throughout the construction period, and report measurement results to the district office of Pathumwan every week	- Construction Supervisor Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Concentration of nitrogen dioxide (NO_2) - Concentration of sulfur dioxide (SO_2)	- Collect and analyze samples using method Chemiluminescence - Collect and analyze samples using method Pararosaniline or equivalent	3) Embassy of Switzerland	- Before the construction of the Towe Extension	
	- Black smoke inspection 1) Maximum black smoke not exceeding 30% at standard light path length	- Black smoke measurement device (opacity system)	- Diesel vehicles and machinery to be used in demolition /construction	- Before commencing construction not more than 3 months	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	2) Value:maximum black smoke not exceeding 40 percent	- Black smoke measurement device (filter paper system)		- During construction period, measure every 6 months/time(s)	
	- Damage / impact or complaints from affected parties	- Install comment box at security booth - Provide LINE Official Account to receive complaints and comments	- Those living adjacent to the construction project site	- Daily Throughout the construction period/demolition	- Construction Supervisor (Civil Engineer), at least 3 persons - Project Manager at least 2 persons
1.5 Noise Level	- Instantaneous noise level at that time - Average noise level (L_{eq}) 24hours - Maximum noise level (L_{max})	- Sound level meter (Sound Level Meter)	1) Within the project site 1.1) During the period of construction of the foundation	- Daily and report measurement results to Pathumwan District Office every week - Once per week, 24 hours per session, and report	- Construction Supervisor Environmental Engineer, at least 1 person /Company certified and registered as a

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Background noise level (undisturbed) - Baseline noise level		1.2) Other construction activities	measurement results to Pathumwan District Office every week	private analytical laboratory by the Department of Industrial Works
			2) Within New House Condominium	- Once per month, 3 consecutive days (incl. Saturdays with construction) and report measurement results to Pathumwan District Office every month	
			3) At floor 8 of Sivatel	- Before the construction of the Tower Extension	

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Noise disturbance level	- Calculate using the noise level, background noise level, and peak baseline noise level, using the formula $L_{Aeq,Tr} = [10\log10(10^{0.1 L_{Aeq,Ts}} - 10^{0.1 L_{Aeq,Rs}})] + 10\log10(T_s) T_r$		- Once per month, 3 consecutive days (incl. Saturdays with construction/demolition)	
	- Instantaneous noise level	- Environmental quality monitoring system using Real-Time Sensor	1) Within the project site/ at the front of the project 2) Sivatel Building 3) Embassy of Switzerland 4) New House Condominium 5) Kids Home Child Care Center	- Real-time monitoring via display screen Throughout the construction period	- Construction Supervisor Environmental Engineer, at least 1 person /Company certified and registered as a private analytical laboratory by the

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
					Department of Industrial Works
	- Specified Warning Level when the real-time noise monitoring device type Real-Time Sensor 1) Exceeds the 70 dB (A)	- Construction supervisor inspects daily machinery/equipment log (Logbook) which specifies the type of machinery/equipment used, quantity, and operating time within 70 minutes, to be prepared in	- Within the project site	- Throughout the construction period	- Construction Supervisor iroEnvironmental Engineer, at least 1 person

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
		case of an alert signal, and to identify which			
		machinery/equipment is causing loud noise so the supervisor can improve work methods to reduce the impact			
	2) Exceeds the 73 dB (A)	- Construction supervisor monitors, checks cause of noise-generating work, machinery used, and improves work methods within 30 minutes	- Within the project site	- Throughout the construction period	- Construction Supervisor iroEnvironmental Engineer, at least 1 person
	3) Exceeds the 77 dB (A)	- Construction/demolition supervisor engineer shall order the cessation of activities and machinery	- Within the project site	- Throughout the construction period	- Construction Supervisor Environmental Engineer, at least 1 person

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CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
		causing excessive noise within 10 minutes			
	- Damage / impact or complaints from affected parties	- Install comment box at security booth - Provide Line Official Account to receive complaints and comments	- Those living adjacent to the construction project site	- Daily Throughout the construction/demolition period	- Construction Supervisor (Civil Engineer), at least 3 persons - Project Manager at least 2 persons
1.4 Vibration	- Vibration	- Vibration measurement device - measurement (Vibration Meter)	1) Within the project site	- Every day during foundation construction, and report results to Pathumwan District Office every week; thereafter Once per month, 3 consecutive days (incl. Saturdays with construction/ demolition period) and report measurement results	- Construction Supervisor Environmental EEnvironmental Engineer at least 1 person /Company certified and registered as a private analytical

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
				to Pathumwan District Office every month throughout the construction period	laboratory by the Department of Industrial Works
			2) At floor 8 of Sivatel	- Before the construction of the Tower Extension	- Construction Supervisor Environmental EEnvironmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Vibration	- Environmental quality monitoring system using Real-time Sensor	3) Within the Project site	- Real-time monitoring via display screen throughout the construction/demolition period	- Construction Supervisor Environmental Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works
	- Damage / impact or complaints from affected parties	- Install comment box at security booth	- Those living adjacent to the construction project site	- Daily Throughout the construction period/demolition	- Construction Supervisor (Civil Engineer), at least 3 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
		- Provide LINE Official Account to receive complaints and comments			- Project Manager at least 2 persons
2. Biological Environmental Resources	- pH - BOD - Total Suspended Solids - Total Dissolved Solids - Sulfide - TKN - Oil and Grease	- Electrometric Method (4500-H+ B.) - 5 Day BOD Test (5210 B.) - Suspended Solids Dried at 103-105°C Method (2540 D.) - Suspended Solids Dried at 180 ° C Method (2540 C.) - Iodometric Method - Macro-Kjeldahl Method (4500-NorgB.) - Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	- Wastewater from construction worker wastewater treatment system within the project site	- Once per month Throughout the construction period/demolition	- Construction Supervisor Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works

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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
3. Human Utilization Value					
3.1 Wateruse	- Cracking, leakage	- Inspected by responsible staff	- Water supply pipelines and storage tanks	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons
	- Cleanliness	- Inspected by responsible staff	- Domestic water storage tank	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons
3.2 Management of Wastewater and Sewage					
1) Wastewater before Treatment	- pH - BOD - Total Suspended Solids	- Electrometric Method (4500-H+ B.) - 5 Day BOD Test (5210 B.) - Suspended Solids Dried at 103-105°C Method (2540 D.)	- Sludge separation tank	- Once per month Throughout the construction/demolition period	- Construction Supervisor Environmental Engineer at least 1 person

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Total Dissolved Solids - Sulfide - TKN - Oil and Grease	- Suspended Solids Dried at 180 ° C Method (2540 C.) - Iodometric Method - Macro-Kjeldahl Method (4500-NorgB.) - Liquid-Liquid, Partition-Gravimetric Method (5520 B.)			/Company certified and registered as a private analytical laboratory by the Department of Industrial Works
2) Wastewater after Treatment	- pH - BOD - Total Suspended Solids - Total Dissolved Solids - Sulfide - TKN - Oil and Grease	- Electrometric Method (4500-H+ B.) - 5 Day BOD Test (5210 B.) - Suspended Solids Dried at 103-105°C Method (2540 D.) - Suspended Solids Dried at 180 ° C Method (2540 C.) - Iodometric Method - Macro-Kjeldahl Method (4500-NorgB.)	- Clarifier tank	- Once per month Throughout the construction/demolition period	- Construction Supervisor Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works

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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
		- Liquid-Liquid, Partition-Gravimetric Method (5520 B.)			
3) Wastewater before Discharge Outside the Project	- pH - BOD - Total Suspended Solids - Total Dissolved Solids - Sulfide - TKN - Oil and Grease	- Electrometric Method (4500-H+ B.) - 5 Day BOD Test (5210 B.) - Suspended Solids Dried at 103-105°C Method (2540 D.) - Suspended Solids Dried at 180 ° C Method (2540 C.) - Iodometric Method - Macro-Kjeldahl Method (4500-NorgB.) - Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	- Water quality inspection pond	- Once per month Throughout the construction/demolition period	- Construction Supervisor Environmental Engineer at least 1 person /Company certified and registered as a private analytical laboratory by the Department of Industrial Works
4) Cracking, Leakage	- Cracking and leakage at construction worker toilet area	- Inspected by responsible staff	- Construction worker toilet	- Daily Throughout the construction period/demolition	- Professional Sctafety Officer (JSO) at least 2 persons

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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
					- Project Manager at least 2 persons
3.3 Drainage and Flood Prevention	- Accumulation of sediment in sediment trap with trash screen andtemporarydrainage channel	- Inspected by responsible staff	- Temporarydrainage channel and sediment trap with trash screen within the project	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons
3.4 Solid Waste Management	- Volume of accumulated waste - Cleanliness - Waste containers	- Inspected by responsible staff	- Within the project site	- Daily Throughout the construction period/demolition	- Project Manager at least 2 persons
	- Volume ofconcrete - Volume ofconcrete and cement debris - disposal site	- Record volume of construction waste (concrete and bricks) sent for disposal	- Within the project site	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons

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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Frequency of transport	- Check receipts from On Nut waste disposal center			
	- Volume ofceiling materials - Volume ofpackaging waste - Volume ofaluminum - Volume of glass/mirror - Volume of other types of waste - disposal site - Frequency of transport	- Record volume of construction waste and evidence of collection payment (including ceilingmaterials, packaging waste, aluminum, glass/mirror, and others) - Check receipts from the company responsible for disposal	- Within the project site	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
3.5 Energy and Electricity	- Ready-for-use condition - Service life / expiry date	- Inspected by responsible staff	- Electrical equipment	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons
3.6 Traffic	- Condition:good, clearly visible and not faded	- Inspected by responsible staff	- Various traffic signs such as speed reduction signs, construction zone signs, etc.	- Once per week Throughout the construction period/demolition	- Project Manager at least 2 persons
	- Traffic flow condition at the project entrance and exit	- Inspected by responsible staff	- At the project entrance and exit area	- Daily Throughout the construction period/demolition	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
3.7 Fire Prevention	- Ready-for-use condition - Service life / expiry date	- Inspected by responsible staff	- Chemical fire extinguisher - Public address speaker	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons
	- Good condition, clearly visible, and not faded	- Inspected by responsible staff	- Fire escape signs and markings	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
4. Quality of Life Values **4.1 Economic Condition and Social Conditions**	- Economic and social conditions and opiniuon of the public regarding changes, problems, hardships, impacts, needs for the project, and awareness and trust in the project	- Opinion questionnaire or interview	- Neighboring houses/buildings, residents and businesses within 100 m sensitive area and areas along the construction material transport route within 100 m from the project land boundary, using academic and statistical sampling methods	- Once per year from the start of construction until before applying for building occupancy permit	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
4.2 Impacts on Occupational Health and Safety	- Ensure completeness and structural integrity of the fall-prevention wall, and Chain Link if damage is found it must be repaired immediately	- Inspected by responsible staff	- Project area	- Daily Throughout the construction period/demolition	- Construction Supervisor (Civil Engineer), at least 3 persons
	- Inspect according to type of equipment	- Inspected by responsible staff	- Machinery and equipment	- Daily Throughout the construction period/demolition	- Construction Supervisor (Civil Engineer), at least 3 persons
	- Structural strength condition - Strength of the area where	- Inspected by responsible staff	- Tower crane and the area where it lifts	- Daily Throughout the construction period/demolition	- Construction Supervisor (Civil Engineer), at least 3 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	the tower crane will lift or park; if insufficient strength, floor reinforcement or steel plates must be added				
	- Components of tower crane equipment	- Licensed mechanical engineer at the specified level	- Tower crane and the area where it lifts	- Once every 3 months Throughout the construction period/demolition	- Construction Supervisor (Civil Engineer), at least 3 persons
	- Good condition, ready for use	- Inspected by responsible staff	- Closed-circuit television (CCTV) system (CCTV System)	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons
	- Work instruction signs must be in good	- Inspected by responsible staff	- Within the project site	- Once per month Throughout the construction period/demolition	- Professionty Officer (JSO), at least 2 persons

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CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd.
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Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	condition, clearly visible and not faded				
	- Disease vector carriers, such as elephantiasis, malaria, etc.	- Blood test	- Construction workers	- Before every new hire	- Professionty Officer (JSO), at least 2 persons - Project Manager at least 2 persons
	- Spread of respiratory diseases	- Measure body temperature - Test for secretions	- Construction workers	- During the outbreak period	- Professionty Officer (JSO), at least 2 persons - Project Manager at least 2 persons
	- Accident statistics: cause, type, outcome, and method	- Install accident statistics sign in the project	- Construction workers	- Once per month Throughout the construction period/demolition	- Professional Safety Officer (JSO), at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Workers knowledge and understanding in using machinery and equipment	- Conduct training	- Construction workers	- Once per week Throughout the construction period/demolition	- Professional Safety Officer (JSO), at least 2 persons
	- Damage / impact or complaints from affected parties	- Install comment box at security booth - Provide LINE Official Account to receive complaints and comments	- Those living adjacent to the construction project site	- Once per week Throughout the construction period/demolition	- Construction Supervisor (Civil Engineer), at least 3 persons - Project Manager at least 2 persons
	- Good condition, ready for use - Service life / expiry date	- Inspected by responsible staff	- Chemical fire extinguisher - Public address speaker	- Once per month throughout the construction period/demolition	- Project Manager at least 2 persons
	- Good condition, clearly visible, and not faded	- Inspected by responsible staff	- Fire escape signs and markings	- Once per week Throughout the construction period/demolition	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
4.3 Obstruction of Radio Waves and Television Signals - Obstruction of radio waves and television signals	- Complaints from affectedparties	- Monitor and evaluate from the complaints and comments receiving unit	- Neighbors adjacent to project site	- Daily, Throughout the construction; period. Responsibility ends within one year after the project opening date.	- Project Owner (Central & Hongkong Land Co., Ltd. and Tiang Chirathiwat Real Estate Co., Ltd.)
- Obstruction of Signal waves of telephone and internet	- Complaints from affected parties	- Monitor and evaluate from the complaints and comments receiving unit	- Neighbors adjacent to project site	- Daily, Throughout the construction; period. Responsibility ends within one year after the project opening date.	- Project Owner (Central & Hongkong Land Co., Ltd. and Tiang Chirathiwat Real Estate Co., Ltd.)

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
4.4 Obstruction of Sunlight and Wind Direction	- Complaints from affected parties	- Monitor and evaluate from the complaints and comments receiving unit	- Neighbors adjacent the project construction site	- Daily, Throughout the construction; period. Responsibility ends within one year after the project opening date.	- Project Owner (Central & Hongkong Land Co., Ltd. and Tiang Chirathiwat Real Estate Co., Ltd.)
4.5 Public Participation and Community Relations 1) Receiving complaints	- Assess complaints/suggestions and comments from neighboring residents	- Monitor and evaluate from the complaints/comments unit; if complaints are found, resolve immediately - Collect and record complaints and problem	- Complaint box at security booth - Direct visit to project officers at the project office - LINE Official Account	- Daily Throughout the construction period/demolition	- Deputy Project Director and Community Relations Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
		resolution methods from various channels - Establish LINE Official Account to receive complaints and comments; if complaints are found, resolve immediately			
	- Assess complaints/suggestions and comments from those adjacent to the project site	- Community Relations officer, Project Officer, and Contractors Officer visit homes/buildings in immediate vicinity and within 100 meters	- Complaint box at security booth - Direct visit to project officers at the project office	- Twice per month Throughout the construction period/demolition	- Deputy Project Director and Community Relations Manager at least 2 persons
		- Collect and record complaints and problem resolution methods from various channels	- Relevant agencies, such as the district officePathumwan etc.		

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
		- Review and establish solutions for complaints and preventive measures to avoid recurrence - Monitor and evaluate from the complaints/comments unit; if complaints are found, resolve immediately			
2) Community Relations	- Inspect to ensure good condition, not faded	- Inspected by responsible staff	- Public relations sign at the front of the project	- Once per month Throughout the construction period/demolition	- Project Manager at least 2 persons

Table 4 Environmental Impact Monitoring Measures during the Construction Phase of the Tower Extension, LPG Storage Building Construction, and Construction/Demolition of the Residential Marketing Suite of the Project CENTRAL EMBASSY PROJECT (EXTENSION) of Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. located at Ploenchit Road, Lumphini, Pathumwan, Bangkok

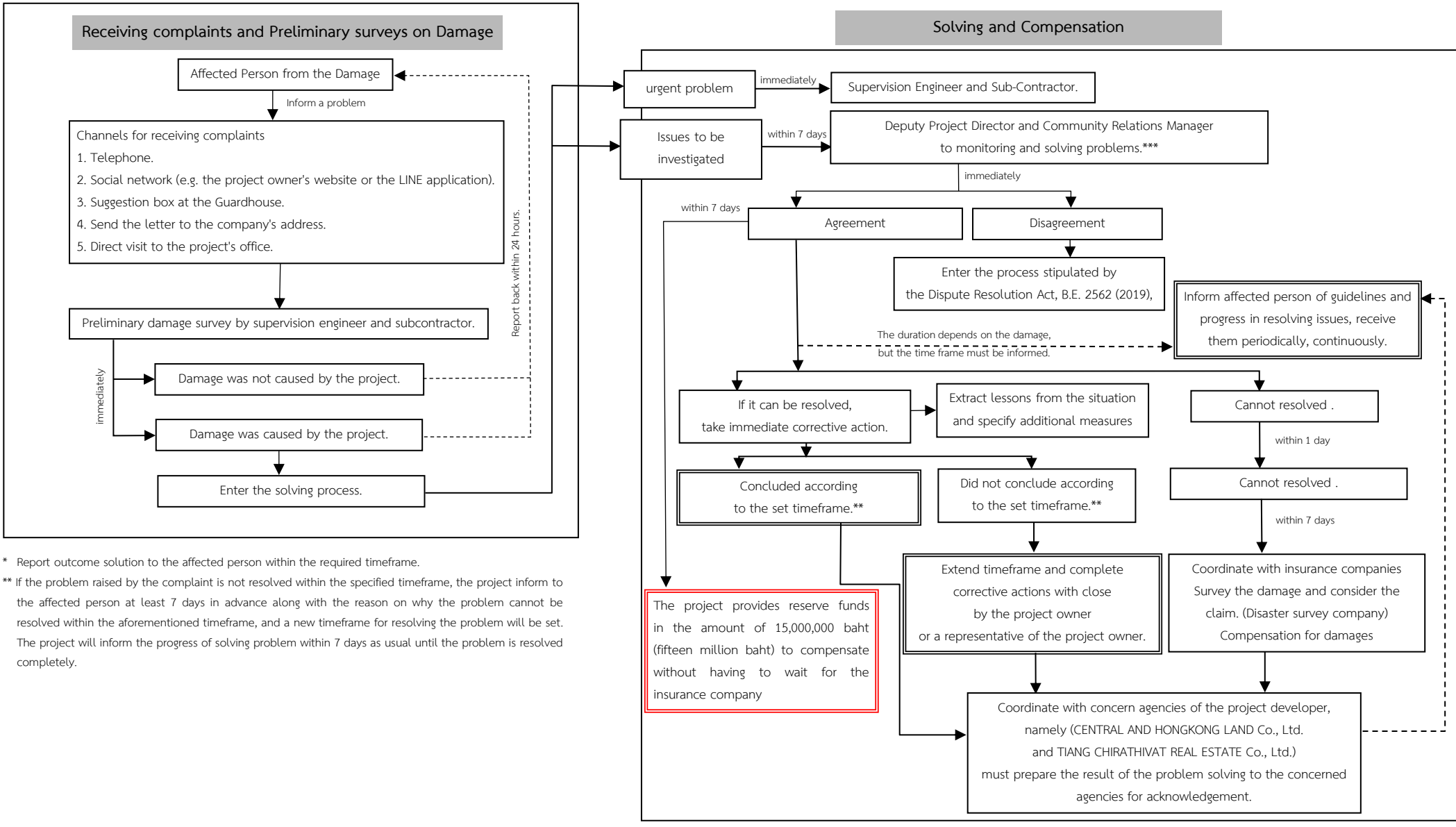
Environmental Components and Values	Monitoring Parameters	Analysis / Measurement Method	Monitoring Location	Frequency	Responsible Party
	- Public relationis, information dissemination to community, promoting/supporting community activity participation, and cuorporate social responsibility (CSR) and environmental activities (Corporate Social Responsibility: CSR)	- Collect and record suggestions and comments on various activities - Interview / survey - Operational area map	- CSR and environmental activity area (Corporate Social Responsibility : CSR)	- Once per year Throughout the construction period/demolition - Every 6 months, prepare a report on the results of the activities	

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Remarks :

1. Central & Hongkong Land Co., Ltd. and Tiang Chirathiwat Real Estate Co., Ltd. (Project Owner) must strictly comply with the environmental protection and mitigation measures and submit compliance reports to relevant agencies and Pathumwan District Office every 6 months under Section 51/5, first paragraph, of the National Environmental Quality Promotion and Conservation Act B.E. 2535 and its amendment (No. 2) B.E. 2561. Failure to submit reports carries a fine not exceeding one million baht.
2. In cases where affected parties cannot reach an agreement, they shall enter the process under the Dispute Mediation Act B.E. 2562. The project shall be responsible for mediation fees.
3. The project owner must inform all main and sub-contractors of the project details and EIA measures, and include conditions in the construction contract requiring strict compliance. Non-compliance shall be deemed a breach of contract and a breach of conditions attached to the building permit.
4. During the construction phase of the Tower Extension, LPG storage building construction, and construction/demolition of the sale galley building of the project (Residential Marketing Suite) Central & Hongkong Land Co., Ltd. and Tiang Chirathivat Real Estate Co., Ltd. plan to assign a single juristic person to operate and manage the buildings of the Tower CENTRAL EMBASSY PARK (Original) and Tower CENTRAL EMBASSY (Extension). This juristic person may be newly established or existing, and shall serve as the primary responsible entity for operation and management (Single Operator) in various aspects such as building management, utilities, safety, environment, and emergency management of both the Original and Extension Tower Sections, for unified management.

Flowchart of the Complaint Handling Procedure During the Construction of the LPG Storage Building, and the Construction/ Demolition of the Residential Marketing Suite



* Report outcome solution to the affected person within the required timeframe.

** If the problem raised by the complaint is not resolved within the specified timeframe, the project inform to the affected person at least 7 days in advance along with the reason on why the problem cannot be resolved within the aforementioned timeframe, and a new timeframe for resolving the problem will be set. The project will inform the progress of solving problem within 7 days as usual until the problem is resolved completely.

THAI THAI ENGINEERS

Project Name : CENTRAL EMBASSY PROJECT (Extension)

Figure 1 : Flowchart of Complaint Handling Procedure During the Construction of the LPG Storage Building, and the Construction/Demolition of the Residential Marketing Suite

Source : Thai-Thai engineers. Co., Ltd.