

	<p>and Stakeholder Engagement Plans, procedures and KPIs;</p> <ul style="list-style-type: none"> ○ Results of the Public Stakeholder Engagement Meeting that was scheduled for November 2018 and next planned meeting; ○ Update on the Community Grievance Mechanism and database; and ○ Status of completion of the resettlement closure report. <p>Wednesday, December 4, 2019 (Sharmini Ramanathan and Sharon Maharg and Lender Team):</p> <ul style="list-style-type: none"> ● 09:00 – 12:00 Off-site visits for areas not visited on Day 1. ● Sharmini Ramanathan: the municipal waste disposal site, offsite sludge storage area (if available), offsite warehouse for chemical storage (if available). ● Sharmini Ramanathan & Sharon Maharg: visit to the elevated water pipeline and river water intake station ● Sharon Maharg: consultations with 8 PAPs near the elevated water pipeline; and ● Visits to as many of the Aug 2018- 2019 community investment projects as possible (both projects that have been completed and some that are in progress). ● 13:00 – 14:00 Lunch ● 14:00 – 17:30 Sharmini to meet Project HSE Manager and HSE Team. <ul style="list-style-type: none"> ○ Review of Roles and responsibilities of the HSSE staff for operations phase ○ Site specific HSSE procedures for operations phase ○ Review internal audit and inspection programme and reports for operations phase ○ Environmental monitoring data from December 2018 to current monitoring reports (including CEMS, ambient air quality and boundary noise) ○ Non-conformities and corrective actions ○ External reporting of environmental and social issues (e.g. reporting to government agencies and lenders) ○ Status of ESAP issues ● 14:00 – 17:30 Sharon to continue social meetings from the morning including: ● Meetings with the District Hospital Administrator and District Police Chief. ● Thursday December 5 2019: ● 08:00 – 09:00 Preparation for closing meeting ● 09:00 – 10:00 Closing meeting with PCo, Sembcorp and the Lenders ● 12:00 – 13:00 Lunch
Reporting:	A draft report will be available four weeks after the monitoring visit.
Travel & Accommodation Arrangements:	Will be updated
Health & Safety	<ul style="list-style-type: none"> ● The Ramboll team will take safety shoes.

Considerations:	<ul style="list-style-type: none">• H&S induction and site-specific PPE to be provided to monitoring team on arrival.• A Ramboll Travel Health and Safety Plan (THASP) has been approved.
Other Issues:	Sharon Maharg, Sharmini Ramanathan and Susan Vauquelin will apply for business visas prior to arrival in Myanmar.

APPENDIX 3
SUMMARY OF CONSTRUCTION PHASE FINDINGS

Appendix 3: Summary of Construction Phase Findings –

<i>Environmental and Social Management System</i>							
ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance
001	SIMOPS	Simultaneous operations protocols for environmental and social issues have not yet been defined.	Operations	<ul style="list-style-type: none"> • IFC PS1 • ADB-ES Principle 7 	Environmental and social procedures must be defined for the SIMOPS phase, when construction and operations activities will both occur at the same time.	As noted in the January 2018 update, SIMOPS protocols have been developed and implemented. This issue is no longer considered relevant for the operations phase.	Issue Closed

002	ESMP	The construction phase ESMP contains a number of errors and omissions (outlined in section 5 of this report).	Construction	<ul style="list-style-type: none"> • IFC PS1 • ADB-ES Principle 7 	Review the 20 management plans to remove irrelevant sections, add missing information and address other issues highlighted in this report.	In view of the construction being 100% complete and that the outstanding construction plan documentation issues were minor, further review of the construction plans is no longer needed. The operational phase ESMPs were reviewed by the Lenders and IESC prior to Project COD. Refer to action item 001 above.	Issue Closed
003	Contractor Management	Sembcorp has not reviewed the environmental and social provisions in the sub-contracts.	Construction	<ul style="list-style-type: none"> • IFC PS1 • ADB-ES Principle 4 	Sembcorp should review all sub-contracts by the end of August 2017 to ensure that they reflect the Project's environmental and social management standards.	As noted in the January 2018 update, this issue has been closed. The HSE risks are managed through monthly performance monitoring of contractors carried out by Sembcorp.	Issue Closed
Air Quality and Dust							
ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance
001	Combustion gases	The CBP does not use grid electricity.	Construction	<ul style="list-style-type: none"> • Management Plan • IFC PS3 • General EHS Guidelines • ADB-ES Principle 9 	Evaluate opportunities to use grid electricity for other activities to reduce reliance on diesel generators.	As noted in the January 2018 update, this issue is considered closed. The concrete batching plant was dismantled and removed from the site in July 2018.	Issue Closed

002	Idling vehicles	Idling vehicles (some with no occupants) were noted in construction areas.	Construction/ Operations	<ul style="list-style-type: none"> • Management Plan • IFC PS3 • General EHS Guidelines • ADB-ES Principle 9 	Better enforcement of management plan requirements.	No idling vehicles were noted during the site inspection in December 2019. Drivers have been reminded about this requirement.	Issue Closed
003	Vehicle wash facilities	The Project has no vehicle nor tyre wash facilities.	Construction	<ul style="list-style-type: none"> • Management Plan • IFC PS3 • ADB-ES Principle 9 	The benefits of vehicle wash facilities are marginal, so it is recommended that the management plan is amended rather than to install tyre wash	This issue is considered closed as construction is 100% complete and revision to the construction phase management plan at this stage is no longer relevant.	Issue Closed
004	Soil stockpiles	Soil stockpiles are not covered nor sprayed with water.	Construction	<ul style="list-style-type: none"> • Management Plan • IFC PS3 • General EHS Guidelines • ADB-ES Principle 9 	Implement the measures detailed in the management plan or amend management plan if a change can be justified.	As noted in the January 2018 update, this requirement has been removed from the latest version of the management plan (Rev E, dated 24 January 2018). This issue is no longer considered relevant for the operations phase as there are no longer any soil stockpiles onsite.	Issue Closed
005	Aggregate storage	Aggregate with a grain size of 5mm or less is not stored in enclosed areas.	Construction	<ul style="list-style-type: none"> • Management Plan • IFC PS3 • General EHS Guidelines • ADB-ES Principle 9 	Implement the measures detailed in the management plan or amend management plan if a change can be justified.	This issue is no longer considered relevant for the operations phase.	Issue Closed

Plant and Vehicle Maintenance and Management							
ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance
001	Diesel fuel quality	The management plan requires ultra-low sulphur diesel to be used, but the Project uses Premium Diesel.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS3 General EHS Guidelines ADB-ES Principle 9 	Check the specifications of Premium Diesel to determine whether it is low or ultra-low sulphur content.	<p>As noted in the January 2018 update, this requirement has been removed from the management plan (Rev E, dated 24th January 2018).</p> <p>The Project uses Premium Diesel, which is the best quality available in Myanmar.</p> <p>No significant issues were identified related to the condition of the plant or equipment for the Project during the IESC fifth monitoring visit in December 2019.</p>	Issue Closed
Traffic Management							
ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance
001	Use of vehicle horns	Drivers do not sound their horn prior to reversing or driving from a stationary position.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS2 ADB-ES Principle 10 	Enforce management plan requirements or revise management plan.	As noted in the January 2018 update, this requirement has been removed from the management plan (Rev E, dated 24 th January 2018).	Issue Closed
002	Reversing alarms	Many vehicles are fitted with reversing alarms but not with non-tonal alarms (i.e. white sound) as specified in the management plan.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS3 ADB-ES Principle 9 	Ensure that all vehicles are fitted with reversing alarms, preferably non-tonal alarms to reverse potential noise nuisance.	As noted in the January 2018 update, this requirement has been removed from the management plan (Rev E, dated 24 th January 2018).	Issue Closed

003	Vehicle lights	Headlights and hazard lights are not turned on when vehicles drive within the construction site.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS2 ADB-ES Principle 10 	Enforce management plan requirements.	As noted in the January 2018 update, this requirement has been removed from the management plan (Rev E, dated 24th January 2018).	Issue Closed
004	Pedestrian walkways	No pedestrian walkways meeting Project specifications are used on site.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS2 ADB-ES Principle 10 	Provide safe pedestrian access and egress on site, based on specifications in the management plan.	Safe pedestrian access and egress has been provided on site, based on specifications in the management plan. This issue is considered closed.	Issue Closed
005	Seatbelts	One instance of seatbelts not being used in a Project vehicle was noted on a public road.	Construction/ Operation	<ul style="list-style-type: none"> Management Plan IFC PS2 ADB-ES Principle 10 	Refresher training on use of seatbelts on and off-site.	The use of seatbelts was excellent, and no deficiencies on seatbelt use was noted in the December 2019 visit.	Issue Closed
Surface Water							
001	Content of management plan	The plan includes a number of statements that are not relevant to this Project, such as references to silt traps on the surface runoff drainage system (there is no surface runoff system).	Construction/ Operations	<ul style="list-style-type: none"> Management Plan 	The IESC recommends that the plan is reviewed and comprehensively updated to remove irrelevant information and accurately describe measures taken to manage water and wastewater during the Project's construction phase.	<p>Some revisions have been made to the Surface Water Management Plan since the second IESC monitoring visit. The reference to silt traps has been removed but the plan still refers to the use of septic tanks (the project actually uses cess pits rather than septic tanks).</p> <p>This issue is no longer considered relevant as the construction phase is complete. Therefore, further review of the construction plans during</p>	Issue Closed

						the operations phase is considered no longer relevant. For the operational phase, a standalone surface water management plan does not exist. Surface water management has been included in the site's Environmental Management Plan (EMP) dated May 30, 2018.	
002	Sanitary wastewater treatment	Sanitary wastewater is not properly treated before off-site disposal. Sewage is collected in cess pits (sealed tanks with no treatment) and other wastewater is discharged to the environment untreated. Wastewater from the kitchen at the JEM accommodation camp is discharged directly to the ground, without passing through a grease trap or any other form of treatment.	Construction/ Operations	<ul style="list-style-type: none"> • ESIA report • Surface Water and Soil & Groundwater Management Plans • IFC PS3 • WBG EHS Guidelines ADB-ES Principle 9	All sanitary wastewater should be treated to meet Applicable Standards, either on site or off-site, before its disposal.	All sanitary wastewater from the site is routed to the onsite sanitary wastewater treatment plant from April 2018 onwards. Untreated sanitary wastewater from the site is no longer disposed offsite. There are no more accommodation camps.	Issue Closed
003	Sanitary wastewater monitoring	The quality of sanitary wastewater is not monitored before disposal.	Construction/ Operations	<ul style="list-style-type: none"> • IFC PS3 • WBG EHS Guidelines ADB-ES Principle 9	Sanitary wastewater should be monitored before disposal to ensure it meets Applicable Standards.	All sanitary wastewater from the site is routed to the onsite sanitary wastewater treatment plant from April 2018 onwards. The treated effluent from the site is monitored before discharge.	Issue Closed
004	Sanitary wastewater	The off-site wastewater disposal site does not meet	Construction/ Operations	<ul style="list-style-type: none"> • IFC PS3 • WBG EHS 	Evaluate options for on-site or off-site treatment of	All sanitary wastewater from the site is routed to	Issue Closed

	disposal	lender standards and represents an environmental risk.		Guidelines ADB-ES Principle 9	sanitary wastewater before it is disposed of.	the onsite sanitary wastewater treatment plant from April 2018 onwards.	
005	Hydrotest wastewater	Wastewater will be generated by hydrotesting of pipelines during pre-commissioning, but plans have not yet been developed for its disposal.	Construction	<ul style="list-style-type: none"> • IFC PS3 • WBG EHS Guidelines ADB-ES Principle 9	<p>Develop plans for sourcing water for hydrotesting and disposal of the water after the hydrotesting.</p> <p>Consideration may need to be given to treatment if chemical additives (e.g. corrosion inhibitor or biocide) are used in the process.</p>	Hydrotesting was completed in the second half of 2017 using river water. No chemicals were added, and analysis of water before discharge to the Ayeyarwady River demonstrated that it was chemically potable.	Issue Closed
006	Bund water	Water from banded areas does not pass through an oil interceptor nor a silt trap.	Construction	<ul style="list-style-type: none"> • Management Plan • IFC PS3 • WBG EHS Guidelines ADB-ES Principle 9	Water drained from banded areas should be tested before disposal, and storage tanks should be covered to avoid rainwater collecting in bunds.	<p>The requirement for water from banded areas to pass through an oil interceptor or a silt trap has been removed from the January 2018 version of the Surface Water Management Plan.</p> <p>There have also been improvements to bunding around storage tanks (i.e. addition of a roof to avoid rainwater collecting in banded areas). This issue is considered closed.</p>	Issue Closed
007	Stockpile covers	Stockpiles of construction materials and wastes are not covered during rainstorms.	Construction	<ul style="list-style-type: none"> • Management Plan • IFC PS3 • WBG EHS Guidelines ADB-ES Principle	The IESC does not consider this to be a practical mitigation measure so recommends its removal from the management plan.	Stockpiles of construction materials and wastes were no longer present onsite during the August 2018 monitoring visit. This issue is no longer relevant and is considered closed.	Issue Closed

				9			
008	Wheel cleaning	Wheel washing facilities are not used.	Construction	Management Plan	The IESC does not consider this to be a practical mitigation measure so recommends its removal from the management plan.	The requirement for wheel wash facilities has been removed from the January 2018 version of the Surface Water Management Plan. This issue is no longer relevant and is considered closed.	Issue Closed
009	Silt traps	Surface runoff is not directed to silt removal facilities.	Construction	Management Plan	The IESC does not consider this to be a practical mitigation measure so recommends its removal from the management plan.	The Surface Water Management Plan has not been revised to remove this requirement. This issue is no longer relevant and is considered closed.	Issue Closed
Soil and Groundwater							
001	Soil and Groundwater Management Plan	The Soil and Groundwater Management Plan contains a number of inaccuracies and does not reflect the actual situation at the construction site.	Construction/ Operations	Management Plan	The Soil and Groundwater Management Plan should be revised to accurately describe measures taken to protect soil and groundwater. Project commitments should be retained but descriptions of non-existent processes and infrastructure should be removed.	For the operational phase, a standalone soil and groundwater management plan does not exist. Soil and Groundwater issues arising from accidental spills and leaks has been included in the site's Environmental Management Plan (EMP) dated May 30, 2018. Therefore, this issue is no longer considered relevant for the operational phase.	Issue Closed
002	Bund deficiencies	Several bunds around diesel storage tanks have deficiencies, including inadequate capacity, structural damage or open drains.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS3 WBG EHS Guidelines ADB-ES 	Repair all bunds to ensure that they provide effective secondary containment. If valves are fitted to drainage pipes they should be kept closed until needed. Future site	Repairs to bunds were completed soon after the second IESC monitoring visit, including repairing cracked walls, installing covers to prevent	Issue Closed

				Principle 9	inspections should check on these issues.	rainwater accumulation, sealing valves and general housekeeping improvements.	
003	Drip tray	A portable generator was seen without a drip tray.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS3 WBG EHS Guidelines ADB-ES Principle 9 	Remind EPC contractors and their sub- contractors that all mobile equipment that contains fuel should have a drip tray.	Contractors have been reminded of the need for drip trays, and a tray was installed immediately after this issue was raised in the July 2017 IESC monitoring visit.	Issue Closed
004	Groundwater monitoring	Groundwater is only monitored for chemical parameters and volume, but draw down is not monitored.	Construction/ Operation	<ul style="list-style-type: none"> Management Plan IFC PS1 WBG EHS Guidelines ADB-ES Principle 7 	<p>Groundwater abstracted at the CCPP site should be tested for pathogens. Should elevated levels be detected the Project should implement measures to reduce exposure pathways.</p> <p>In addition, monitoring of draw down should be undertaken to assess the impact of abstraction on the water table.</p>	No action has been taken to address these issues since the third IESC monitoring visit. However, from August 2018 onwards, groundwater will not be used for the operations phase moving forward. Therefore, this issue is considered closed.	Issue Closed
005	Drum storage	During the January 2018 visit a number of drums of chemicals and oils were noted with no secondary containment, no labels or in a poor condition, in particular in the JEM construction yard.	Construction/ Operations	<ul style="list-style-type: none"> Management Plan IFC PS3 WBG EHS Guidelines ADB-ES Principle 9 	N/A	The IESC noted that all drums containing chemicals and oils are in good condition, clearly labelled and have secondary containment (e.g. drip trays). No issues were noted in the December 2019 visit.	Issue Closed
Biodiversity							
001	Biological reinstatement	The Project only carries out physical reinstatement of excavated areas.	Constructions/ Operations	<ul style="list-style-type: none"> IFC PS6 ADB-ES Principle 4 	It is recommended that biological reinstatement is also carried out unless the landowner objects.	As noted in the January 2018 update, only physical reinstatement has been completed in most areas, but trees and shrubs have	Issue Closed

						<p>reportedly been planted in some locations. Landowners have not raised any concerns.</p> <p>The IESC has not identified any issues relating to biodiversity for the operations phase.</p>	
Waste Management							
001	On-site waste containment	A food waste bin was observed that did not securely hold its contents. Also, the main waste storage area on the CCPP site is not protected from wind and rain.	Construction/ Operations	<ul style="list-style-type: none"> • Management plan • IFC PS3 • WBG EHS Guidelines <p>ADB-ES Principle 9</p>	<p>Ensure that food waste is stored in closed containers to discourage rodents and other vermin.</p> <p>Store waste in a secure, covered area before its off-site disposal to prevent wind-blown litter.</p>	<p>The specific issues raised on the July 2017 report have been addressed.</p> <p>During the August 2018 site inspection, two food waste skips next to a rest area in the JEM laydown area had no lid and food waste in plastic bags was left on the ground. However, prompt action was taken to rectify the issue before the end of the site visit.</p> <p>No issues related to onsite waste containment was noted in the December 2019 visit.</p>	Issue Closed
002	Waste Segregation	It is unclear whether the waste disposal contractor (OK Service) mixes hazardous and non-hazardous wastes generated by the Project.	Construction and Operations	<ul style="list-style-type: none"> • IFC PS3 • WBG EHS Guidelines <p>ADB-ES Principle 9</p>	<p>The Project Company should check whether hazardous and non-hazardous wastes are mixed and co-disposed. Steps may need to be taken to ensure the secure disposal of hazardous wastes.</p>	<p>No evidence of co-disposal of hazardous and non-hazardous waste was found in the December 2019 monitoring visit.</p>	Issue Closed

Oil and Chemical Spill Contingency							
001	Unlabelled drums	Unlabelled drums were seen in several locations at the construction site.	Construction/Operations	<ul style="list-style-type: none"> Management Plan IFC PS 1&3 WBG EHS Guidelines ADB-ES Principle 9 	Ensure that all chemical and oil drums have clear labels.	This issue can be closed as it is repeated in Table 7 (item 4). No issues were noted related to the labelling of drums in the December 2019 visit.	Issue Closed
002	Spill kits	There are no spill kits (other than buckets of sand) in Project construction sites.	Construction/Operations	<ul style="list-style-type: none"> IFC PS 1&3 WBG EHS Guidelines ADB-ES Principle 9 	Place spill kits near all facilities for bulk storage of hazardous liquids), and in maintenance areas where oil and waste oil is stored in drums.	<p>This issue is now covered by a broader issue detailed in the soil and groundwater section.</p> <p>Spill kits were placed near chemical storage and maintenance areas. However, the IESC recommends that the location of the spill kits be clearly indicated in a site layout and included in the operational phase emergency response plan.</p>	Issue Closed
Community Health							
ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance
001	Human Health	Community Health baseline study included in the CHMP	Construction	<ul style="list-style-type: none"> Management Plan IFC PS4 ADB-ES Principle 2 	A Community Health baseline study should be performed on the six additional villages included in the second revision to the ESIA (August 2016). If this study was performed after the preparation of the CHMP in July 2016,	The CHMP has been updated to include a Community Health baseline study on the six additional villages that were included in the second revision to the ESIA (August 2016).	Issue Closed

					the Plan should be updated to include the baseline study.		
002	Management Plan	CHMP is lacking an organization chart, defined roles and responsibilities and an initial budget	Construction/ Operations	<ul style="list-style-type: none"> • Management Plan • IFC PS4 • ADB-ES Principle 10 	The CHMP should also be updated to include an organisation chart, defined roles and responsibilities and an initial budget.	As of January 2018, the CHMP still needed to be updated to include an organisation chart, defined roles and responsibilities and an initial budget. Efforts should now be made to include this information in the Operational phase CHMP. The Construction Phase CHMP is no longer in effect. Please refer to the health-related components of the CDP.	Issue Closed
003	Community Exposure to Disease	Standing water at two workers' accommodation camps	Construction	<ul style="list-style-type: none"> • Management Plan • IFC PS4 • ADB-ES Principle 10 	Bedok and Min Dhama should continue to strive to minimize standing water at the camps and perform frequent inspections and maintenance of the new drainage systems to ensure they are well maintained.	As of January 2018, the Bedok camp is closed. At the Min Dhama camp, ENVIRON observed during the January 2018 that the new drainage system is well maintained.	Issue Closed
Workers Accommodation							
ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance

Myingyan CCPP

001	Workers' Camps	The sleeping accommodation facilities at all three workers' camps are still overcrowded.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS2 	PCo should work with JEM, Bedok and Min Dhama to immediately upgrade the workers' sleeping accommodations, where gaps were noted and eliminate the overcrowded conditions.	As of January 2018, there were no more workers living at the Bedok camp and the number of workers living at the other two camps had been substantially reduced, as a result of the construction progress. Therefore, overcrowded conditions at these camps no longer exist.	Issue Closed
002	Workers' Camps	Maintenance of the bathing areas.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS2 	Rural baths should be kept clean and free of standing water.	The JEM and Min Dhama workers camps were closed on 1 July 2018 and 1 August 2018, respectively.	Issue Closed
003	Management Plan	Contractors/subcontractors are not operating their workers' camps in compliance with IFC PS2 or the Project's Worker's Accommodation Plan.	Construction	<ul style="list-style-type: none"> Management Plan IFC PS2 	PCo should confirm with JEM, Bedok and Min Dhama that they are fully aware of the requirements included in the Workers Accommodation Management Plan, and their need to comply with this plan.	PCo confirmed that JEM, Bedok and Min Dhama were made aware of the requirements included in the Workers Accommodation Management Plan, and their need to comply with this plan.	Issue Closed

Land Acquisition & Resettlement

ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance
001	Public Disclosure	Public disclosure of the Resettlement Framework in Myingyan Township and in the 13 affected villages.	Construction	<ul style="list-style-type: none"> ADB-IRS Principle 9 IFC PS2 	In consultation with the Lenders, Sembcorp should determine the path forward to meet this requirement given the sensitivity of the	As mentioned in the January 2018 Update, ADB disclosed the Resettlement Framework on its website, and consultation meetings	Issue Closed

					information to be provided.	took place in all the villages where people lived who were going to be affected by land impacts (both temporary and permanent).	
002	Resettlement Grievance Mechanism	The framework for a grievance mechanism for the PAPs is included in the Resettlement Framework.	Construction	<ul style="list-style-type: none"> Resettlement Framework IFC PS5 	The grievance mechanism's records, focused solely on the PAPs, should be recorded in a separate category in the Project's CGM database.	As mentioned in the January 2018 Update, PCo created a separate category for PAPs' grievances in the CGM database for 2017. However, the CGM database for 2018 includes grievances recorded for both PAPs and CPs on the same worksheet, but each line item identifies whether the grievance was submitted by a PAP or CP.	Issue Closed
003	Land Acquisition	A census on all PAPs who will be physically (temporarily) and economically displaced (both landowners and land users) was not made available by the GOM to Sembcorp, and in addition, no records of any community consultation meetings and/or focus group discussions held by the GOM with the 13 villages after issuance of the Revised ESIA's (November 2015 and August 2016), were made available to Sembcorp by GOM.	Construction	<ul style="list-style-type: none"> ADB-IRS Principle 1&2 IFC PS1 	No action can be taken at this stage of the Project.		N/A
004	Land compensation	Identification of PAPs who will give up land for the power poles and the number of power poles for	Construction	<ul style="list-style-type: none"> ADB-IRS Principle 1&3 	PCo to provide the number of power poles installed on each PAP's property (total number of	As mentioned in the January 2018 Update, a total of 353 power poles were installed along the	Issue Closed

		which each PAP will be compensated.		<ul style="list-style-type: none"> • IFC PS5 	power poles along the river water supply pipeline has not yet been determined, but is approximately 340-350).	river water supply pipeline, and 117 PAPs received, in addition to its cash compensation, one bag of fertilizer as a form of additional compensation for each power pole that was installed.	
005	Livelihood Restoration	Resettlement outcomes and impacts on the standards of living of displaced persons, and whether the objectives of the resettlement plan have been achieved.	Construction	<ul style="list-style-type: none"> • ADB-IRS Principles 3 & 12 • IFC PS5 	Now that construction has been completed for the river water supply pipeline, T-line towers and T-line wires installed, and PAPs have been notified that they can begin re-planting crops; PCo should have a face- to-face meeting with each PAP to assess resettlement outcomes, their impacts on the standards of living of the PAPs, and whether the objectives of the resettlement plan have been achieved, and detailed written records of these meetings should be prepared.	Livelihood impacts were limited. The impacts on livelihood due to the laying of the river water supply pipeline, T- line towers and T-line wires were temporary, and livelihoods were restored after the completion of the construction activities in these project areas.	Issue Closed
006	Livelihood Restoration	Provision of transitional support and development assistance.	Construction	<ul style="list-style-type: none"> • ADB-IRS Principle 4 • IFC PS5 	ENVIRON recommends that PCo, in collaboration with local banks, should establish some basic money management courses for the PAPs.	No action needs to be taken at this stage of the Project.	N/A
007	Land Acquisition	Final details on the land acquisition process followed by GOM are still pending.	Construction	<ul style="list-style-type: none"> • ADB-IRS Principle 6 • IFC PS5 	PCo to provide (i) details on the final land acquisition process carried out for the affected land owners (only applies to the T- line tower foundation areas), and (ii) details on the final process	As mentioned in the January 2018 Update, no action needs to be taken at this time due to the following: <ol style="list-style-type: none"> 1. There was no permanent land acquisition in the 	Issue Closed

					carried out for non-title holders impacted (land users and informal settlers).	<p>project</p> <p>2. The land impacts were limited and not significant for any of the affected persons (T-line tower and power pole footprints only)</p> <p>3. The compensation for loss of assets and crops was witnessed by ENVIRON and confirmed that the compensation has been at replacement costs</p> <p>Individual signed agreements with all landowners have been provided to ENVIRON for review.</p>	
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Labour & Working Conditions

ID	Aspect	Issue Description	Phase	Standard	IESC Recommendations prior to the December 2019 site visit	December 2019 Update	Significance
001	Workers' Organizations	No reference to workers' rights to organise was found in the ESMP.	Construction/ Operations	IFC PS2	Workers' rights to organise should be explicitly stated in the Code of Business Conduct.	As noted in the January 2018 update, workers' right to organise is explicitly stated in Sembcorp's Global Human Rights Policy	Issue Closed
002	Workers' Grievance Mechanism	Only a one-page outline of the workers' grievance mechanism was provided to ENVIRON.	Construction/ Operations	IFC PS2	Comprehensive written workers' grievance mechanism procedures should be developed.	Workers grievance mechanism policy/ procedures have been prepared and received at ENVIRON and have now been finalized and include the name of the new HR Manager, and the grievance mechanism database has	Issue Closed

						been split into two databases, one for the community grievances and one for the workers' grievances.	
003	Policies and Procedures	Contractors'/subcontractors' HR policies/procedures.	Construction	IFC PS2	PCo should obtain copies of the contractors' and subcontractors' HR policies/procedures in order to determine if they have incorporated commitments included	ENVIRON recommended in the January 2018 Update, that PCo confirm that Min Dhama had been complying with all commitments included in Sembcorp's Code of Business Conduct, Global Human Rights Policy and HR procedures. However, this recommendation is no longer relevant since the construction has been completed and Min Dhama is no longer involved in the project.	Issue Closed
004	Employment Contracts	Subcontractors' short-term workers do not have employment contracts.	Construction	IFC PS2	Sembcorp should complete the mini- employment contracts template and work with subcontractors to have contracts executed with affected workers ASAP and have workers sign acknowledging receipt.	Sembcorp completed the "mini-contract" template and provided it to subcontractors to use when engaging local short-term workers. This new procedure went into effect in August 2017. The terms and conditions included in Sembcorp's template for the subcontractors' local short-term employment contracts are consistent with the main terms and conditions included in Sembcorp's own standard employment contracts.	Issue Closed

APPENDIX 4
MYINGYAN ENVIRONMENTAL MONITORING RESULTS

Ambient Air Quality Monitoring at Sensitive Receptors

Name of sampling locations	Approximate Distance from Site	Parameters	Units	Dec-18	Apr-19	Jun-19	Sep-19	Project Standard
Sa Ka Village	630 m	CO	ppm	0.00015	0.00045	0	0.01	9
		CO ₂	ppm	158.5	285.99	303.19	372.31	5000
		SO ₂	µg/m ³	2.62	2.62	0	0.08	20
		NO ₂	µg/m ³	16.46	14.67	3.76	4.84	200
		PM ₁₀	µg/m ³	16.66	29.15	8.45	10.3	50
		PM _{2.5}	µg/m ³	10.09	21.39	5.09	4.99	25
Hnan Ywa Village	1,560 m	CO	ppm	0.00016	0.000025	0	0	9
		CO ₂	ppm	156.44	424.62	342.44	322.96	5000
		SO ₂	µg/m ³	2.62	2.62	0	0	20
		NO ₂	µg/m ³	12.3	39.15	3.79	3.76	200
		PM ₁₀	µg/m ³	14.71	31.53	6.92	3.63	50
		PM _{2.5}	µg/m ³	8.91	22.17	4.24	1.93	25
Gyoke Pin Village	2,720 m	CO	ppm	0.0005	0	0	0	9
		CO ₂	ppm	170.22	397.51	345.29	299.19	5000
		SO ₂	µg/m ³	2.62	2.62	0	0	20
		NO ₂	µg/m ³	18.66	13.17	4.6	3.76	200
		PM ₁₀	µg/m ³	17.65	39.95	6.07	7.37	50
		PM _{2.5}	µg/m ³	11.48	30.85	3.52	3.03	25
Nyaung Kan Village	2,760 m	CO	ppm	0.00035	0.0016	0	0	9
		CO ₂	ppm	168.35	201.69	306.86	324.6	5000
		SO ₂	µg/m ³	2.62	2.62	0	0	20
		NO ₂	µg/m ³	23.87	17.97	5.69	10.61	200
		PM ₁₀	µg/m ³	20.42	43.32	10.25	10.44	50
		PM _{2.5}	µg/m ³	12.68	32.99	5.34	3.78	25


Third party monitoring of ambient air conducted by E-Guard Services

Summary of Stack Emissions Monitoring Results

Parameters	Units	World Bank Guidelines	Myanmar National Guidelines	Monitoring Period							
				Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
CO	ppm	9	-	21.9	10.5	8.4	12.1	12.1	12.1	3.3	1.7
CO ₂	ppm	5000	-	3765	3925	3983	3882	3882	3882	3862	3496
SO ₂	µg/m ³	20	20	2.13	0.48	0.58	0.49	0.49	0.49	0.67	0.84
NO ₂	mg/Nm ³	200	200	12.94	15.63	15.785	16.2	16.2	16.2	17.86	17.12
PM ₁₀ *	µg/m ³	50	-	-	-	-	-	-	-	13.3	27.2
PM _{2.5} *	µg/m ³	25	-	-	-	-	-	-	-	-	8


*Additional PM monitoring results via portable device is provided in the next tab.

16.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 12	PM 2.5	8	25
	PM 10	28	50
Mainstack	Temp	29.09°C	
		55.6% RH	




Particle Counter

16.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 11	PM 2.5	5	25
	PM 10	17	50
Mainstack	Temp	29.85°C	
		61.4%RH	




Particle Counter

18.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 12	PM 2.5	7	25
	PM 10	22	50
Mainstack	Temp	33.29°C	
		49.6% RH	




Particle Counter

18.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 11	PM 2.5	10	25
	PM 10	31	50
Mainstack	Temp	26.51°C	
		66.6%RH	




Particle Counter

19.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 12	PM 2.5	9	25
	PM 10	28	50
Mainstack	Temp	28.61°C	
		50.5% RH	




Particle Counter


19.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 11	PM 2.5	10	25
	PM 10	32	50
Mainstack	Temp	28.15°C	
		51.6%RH	




20.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 12	PM 2.5	9	25
	PM 10	34	50
Mainstack	Temp	27.91°C	
		54.9% RH	




20.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 11	PM 2.5	6	25
	PM 10	19	50
Mainstack	Temp	30.12°C	
		51.3%RH	



23.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 12	PM 2.5	8	25
	PM 10	26	50
Mainstack	Temp	29.65°C	
		47.4% RH	



23.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 11	PM 2.5	8	25
	PM 10	26	50
Mainstack	Temp	30.99°C	
		42.6%RH	



27.12.2019	Particulate matter ug/m3		World Bank Limit ug/m3
HRSG 12	PM 2.5	7	25
	PM 10	23	50
Mainstack	Temp	22.69°C	
		69.9% RH	

