

APPENDIX F
SPOIL DISPOSAL PLAN TEMPLATE

1. Purpose

This assessment outlines the technical characteristics of the Spoil Disposal Site(s) that CONTRACTOR proposes for use for spoil disposal during construction of the XXX, Georgia.

The spoil disposal site will be considered as an associate facility by ADB and as such ADB are required to complete due diligence on the site to confirm that the site selected is appropriate and the level of assessment is sufficient to meet ADB safeguards requirements.

Therefore, this assessment, prepared by the CONTRACTOR, requires approval from the ADB and RD PIU prior to the application of licenses and approvals for the site and its subsequent use.

The CONTRACTOR shall ensure that the disposal of excess spoil material will be undertaken in a manner that verifiably minimises environmental and social risks.

2. Site Screening

Screening Summary

A screening assessment of potential sites for spoil disposal has been undertaken by the CONTRACTOR. The CONTRACTORs EcoW and a sub-contracted national environmental expert have undertaken the screening exercise.

The following table indicates the sites assessed.

Table 1: Sites Screened

#	Site Name	GPS Coordinates	Nearest Village

The following Figure indicates the location of each site.

Figure 1: Location of Screened Sites

The CONTRACTOR used the Rapid Environmental Assessment Checklist to summarise the potential impacts of the site. The completed checklists for each site are provided as **Appendix A**.

The following table summarises the findings of the checklists.

Table 2: Summary of Screening Activity

[illegible]

The results of the screening exercise indicate that the following sites were **UNSUITABLE** for use:

XXX

XXX

XXX

The results of the screening exercise indicate that the following sites are **SUITABLE** for use:

XXX

XXX

XXX

3. Site specific Environmental and Social Assessment

Following the rapid screening exercise, the locations considered for use as disposal site/s (including their access roads) have been inspected by CONTRACTOR personnel from project different disciplines, including:

Name / Position

Name / Position

The characteristic of the selected dump site is described in the following paragraphs

Name of Disposal Site

TO BE COMPLETED

Location/s

PROVIDE SITE COORDINATES

PROVIDE SITE BOUNDARY OVERLAID ON ORTHOPHOTO

PROVIDE ACCESS ROAD/S OVERLAID ON ORTHOPHOTO

PROVIDE FOR MULTIPLE SITES IF APPLICABLE

Cross sections of the sites (at 25 meter intervals) are provided in **Appendix B**.

A photographic record of the site pre-construction is provided by **Appendix C**.

3.1 Site Area And Estimated Volume Available

Estimated volume of material

Approximately XXX million cubic meters of material will be generated during the Project. The following table indicates the amount of material to be placed at each spoil disposal site and the volume of material allowed for disposal at each site according to their license.

Table 3: Available Site Areas

#	Site Name	Proposed Spoil Volume (m ²)	Volume Available According to License (m ²)
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3.2 Social Issues

Access Arrangements, Route Selection and Traffic Management

The following figure/s provides the access routes for the site/s. These routes are also included in the CONTRACTORS Traffic Management Plan. No works shall start until the Traffic Management Plan and the access routes have been approved by the Engineer.

Figure 2: Access Roads

The route selection process was based on the following principles:

- Avoidance of natural hazards;
- Avoidance of populated areas; and
- No ban for travelling of HGV.

The route from the XXX to the spoil disposal site has a total length of XXX Km.

A summary condition survey of the access road has been undertaken and is included as **Appendix D**.

The route will pass through the following populated areas:

XXX

XXX

The following sensitive receptors were located along the route:

Table 4: Sensitive Sites

#	Type and Name	Coordinates	Distance to Route

The following upgrading works will be undertaken on the access road prior to its use:

XXX

XXX

Routine spraying of the access road with water will be undertaken during dry periods to limit dust impacts.

A speed limit of XXX has been set on the access roads.

Access to the site will be strictly controlled and will be fenced during the construction works to prohibit unauthorized access.

Warning signs will be places around the site to inform the local community of the safety issues.

3.3 Stakeholder Engagement

As part of the site selection process the CONTRACTOR has undertaken consultations with the local community regarding the use of the site and access roads.

The following table indicates the comments received during the consultations.

Table 5: Summary of Consultations

#	Village	Comment	Reply

A list of those present in the meeting is provided by **Appendix E**.

The attendees were informed during the meeting of the Grievance Redress Mechanism, and were provided a copy along with contact numbers for complaints.

3.4 Surface Water and Drainage and Groundwater

The following surface water features have been identified in the area:

Table 6: Surface Water Features

#	Name	Location

Outline if any crossings of these water courses will be necessary and if adequate crossing are available.

Outline here what site drainage will be installed, include designs, if relevant.

3.5 Reinstatement and Landscaping at Completion

The spoil disposal site shall be re-instated upon completion of works at the site.

Where practical, the site has been re-instated with similar species as those removed as part of the site clearance.

CONTRACTOR to provide full details of the reinstatement plan here, including area to be reinstated, schedule, types of plants and maintenance program.

Appendix F provides the profiles of the reinstated site.

3.6 Services Infrastructure & Plant On Site

The CONTRACTOR will use the following equipment on-site:

Table 7: Site Equipment

#	Type of Equipment	Number

XXX number of staff will be located at the site, they include:

Table 8: Staff

#	Staff Positions	Number

The site will be equipped with first aid facilities, mobile communications and toilets.

3.7 Biodiversity

A survey of flora and fauna was undertake at the site by a national specialist. The findings of the survey indicate that:

XXX

XXX

3.8. Archeology and PCR

A walkover survey of the site was undertake at the site by a national specialist. The findings of the survey indicate that:

XXX

XXX

3.9 Land Use

The spoil disposal sites, including access roads will affect the following

XXX Land Plots

XXX Productive Fruit Trees

XXX Residential Buildings

XXX Commercial Buildings

XXX Auxiliary Buildings

XXX Gates and Fences

XXX Businesses

XXX Fodder

XXX Agricultural Land

These features will be compensated by the RD per the conditions of the Project LARP

3.9 Proposed Preventive Measures

Appendix G provides the mitigation actions required for the operation and reinstatement of the site.

4. Conclusions & follow up actions

4.1 Conclusions

Based upon the results of this Assessment and on the basis that CONTRACTOR implements the mitigation measures under his responsibility and follow up actions identified, the following conclusions can be made with respect to proposed use of the disposal site assessed in this report:

- CONTRACTOR SEMP contains general mitigation measures to address the risks identified in this E&S Assessment;
- Where necessary, additional site-specific mitigation measures have been identified in this Assessment (see **Appendix G**), which provide further assurance to ADB that CONTRACTOR can meet its environmental and social Project Requirements;
- If implemented appropriately, the mitigation measures outlined in CONTRACTOR SEMP and this assessment will result in appropriate avoidance for reduction of impacts to an appropriate level;
- This assessment has taken into consideration all requirements of the EIA and EMP and CONTRACTOR SEMP;
- Where necessary, CONTRACTOR has highlighted additional actions to be undertaken, which will allow appropriate mitigation of environmental and social impacts (see **Appendix G**);
- CONTRACTOR will implement and monitor proposed use of the disposal site and amend mitigation measures as required to ensure they are effective.

4.2 Licenses and Approvals

Upon approval of this assessment by the ADB and the RD PIU, CONTRACTOR will complete his Spoil Disposal Plan. This plan shall be prepared in accordance with regulation N 424 on Approval the Rules for Removal, Storage and Use of Topsoil and Re-cultivation.

The CONTRACTOR shall also prepare and submit his EIA for the site which will be approved by MoEPA.

4.3 Follow-up

In addition to the implementation of those measures outlined in this report, the following Actions have been identified for addition to CONTRACTOR Action Tracking System, in order to close out issues identified in this PCS that require non-routine follow up action;

Table 9: Follow-up Actions

Action	Responsible
Periodic (Monthly) inspections/audits will be undertaken on the selected site to verify the respect of project requirements, as considered appropriate by the Engineer, the PIU and ADB	Contractor
Review of Grievance Reports relating to dump truck movements delivering spoil to the dump site. Address any grievances as required.	Contractor
Periodic inspections of dump truck movements on the approved route corridor to observe whether Project related vehicles are contributing to traffic delays, hold ups or incidents.	Contractor

LIST OF APPENDICES

APPENDIX A – SCREENING REPORTS

APPENDIX B – SITE CROSS SECTIONS

APPENDIX C – PHOTOGRAPHIC RECORD OF THE SITE/S

APPENDIX D – ACCESS ROAD CONDITION SURVEY

APPENDIX E – CONSULTATIONS

APPENDIX F – SITE PROFILES

APPENDIX G - PROPOSED MITIGATION MEASURES