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Mahaweli Water Security Investment Program

Semi Annual Environmental Monitoring Report (SAEMR) No. 09 (January to June 2021) for Upper Elaheera Canal Project (UECP)



**Ministry of Irrigation
Sri Lanka**



July 2021
Report

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Project Number H.503409
 Subject Project Report
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 Country Sri Lanka

Project Title: **Mahaweli Water Security Investment Program**

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LIST OF ABBREVIATIONS

| | |
|--------|--|
| ADB | Asian Development Bank |
| AIS | Alien Invasive Species |
| CEA | Central Environmental Authority |
| CEMP | Contractor's Environmental Management Plan |
| D&B | Drill and Blast |
| D/S | Down Stream |
| DS | Divisional Secretary |
| DWC | Department of Wildlife Conservation |
| EARF | Environmental Assessment Review Framework |
| EIA | Environmental Impact Assessment |
| EMP | Environmental Management Plan |
| EMS | Environmental Method Statements |
| | Environmental Monitoring Specialist |
| EO | Environmental Officer |
| EPL | Environmental Protection License |
| FAM | Facility Administration Manual |
| FD | Forest Department |
| GoSL | Government of Sri Lanka |
| GRC | Grievance Redress Committee |
| G SMB | Geological Survey and Mines Bureau |
| ICB | International contractor bidding |
| IML | Industrial Mining License |
| KMTC | Kaluganga Moragahakanda Transfer canal |
| MIT | Mahakithula Inlet Tunnel |
| MLBCRP | Minipe Left Bank Canal Rehabilitation Project |
| MMDE | Ministry of Mahaweli Development and Environment |
| MRB | Mahaweli River Basin |
| MWSIP | Mahaweli Water Security Investment Program |
| NATM | New Austrian Tunnelling Method |
| NCB | National Contractor bidding |
| NWPCP | North Western Canal Project |
| PD | Program Director/Project Director |
| PIU | Project Implementation Unit |
| PMDSC | Project Management Design Supervision Consultant |
| PMU | Program Management Unit |
| RE | Resident Engineer |
| SAEMR | Semi Annual Environmental Monitoring Report |
| SPS | Safeguard Policy Statement |
| SEO | Senior Environmental Officer |
| STC | State Timber Cooperation |
| TBM | Tunnel Boring Machine |
| UECP | Upper Elahera Canal Project |
| MRB | Mahaweli River Basin |
| MWSIP | Mahaweli Water Security Investment Program |
| NATM | New Austrian Tunnelling Method |
| NCB | National Contractor bidding |
| NWPCP | North Western Canal Project |
| PD | Program Director/Project Director |
| PIU | Project Implementation Unit |
| PMDSC | Project Management Design Supervision Consultant |
| PMU | Program Management Unit |
| RE | Resident Engineer |
| SAEMR | Semi Annual Environmental Monitoring Report |
| SPS | Safeguard Policy Statement |
| SEO | Senior Environmental Officer |
| STC | State Timber Cooperation |
| TBM | Tunnel Boring Machine |
| UECP | Upper Elahera Canal Project |

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1 INTRODUCTION

1.1 Scope of the Report

1. This Semi-Annual Environmental Monitoring Report (SAEMR) No. 9 is prepared to update the progress of Upper Elahera Canal Project (UECP)¹ with respect to environmental safeguard aspects for the period of July to December 2020, which fulfils the Asian Development Bank (ADB) requirement to submit SAEMR to ADB and Central Environmental Authority (CEA) for the “Category A” projects as documented in FAM² and EARF.³

2. The purpose of this report is to ensure that the Program is implemented with due concern for environmental and social safeguards according to the laws of Sri Lanka and ADB’s Safeguard Policy Statement (SPS) 2009, and specifically to ensure that these issues are adequately addressed in compliance with the requirements of ADB.

3. Further, this report assesses the progress with implementation of the Program in complying with the approved Environmental Impact Assessment (EIA),⁴ including the Addendum to the EIA: UECP Tranche 1 packages (August 2017) and Environmental Management Plan (EMP) as per the stipulation No. 14.3 of the EIA approval No. 08/EIA/WATER/07/2012 issued by CEA on 23 February 2016, renewed approval by CEA on 23 May 19 by letter Ref.08/EIA/Water/07/2012/Vol IV until 31 March 2022, and approval for the addendum (Ref.08/EIA/Water/07/2012/Vol III dated 23 April 2018).

4. This SAEMR is prepared addressing the following aspects, based on the available information for the monitoring period from January to June 2021:

- (i) Background/ context of the monitoring report (adequate information on the Program, including physical progress of project activities, scope of monitoring report, reporting period, and the monitoring requirements including frequency of submission as agreed upon with ADB)
- (ii) Qualitative and quantitative monitoring data
- (iii) Monitoring results compared with previously established benchmarks and compliance status (e.g., obtaining necessary approvals for establishment of certain facilities, timeliness, and adequacy of environmental mitigation measures; and training, capacity building, etc.)
- (iv) Corrective action plan in any case of non-compliance or any major gaps identified
- (v) Proposed items of focus for the next reporting period and due date

5. This SAEMR for UECP is prepared by the Environmental Specialist of PMDSC based on the monthly monitoring and progress reports received from the Environmental Monitoring Specialists (EMS), and the updates that were received from the respective contractors and Resident Engineers (REs).

1.2 Overall Progress of UECP as of June 2021

6. There are three active contract packages under construction by end June 2021, which include UECP-ICB-1 UECP-ICB-2A and UECP-ICB-2B financed under MWSIP Tranche 1 and 2. The new contract package for the longest tunnel of 27 km named as UECP-ICB-2A commenced in March 2021. 2020. The key details related to the active construction packages are summarized in **Table 1-1**.

¹ Terminology for Upper Elahera Canal Project (UECP) is replaced with North Central Province Canal (NCPCP)

² Paragraph 60 of Facility Administration Manual (FAM), June 2015 prepared by MMDE.

³ Paragraph 111 of Environmental Assessment Review Framework (EARF) November 2014 (updated in June2017) by MMDE.

⁴ Environmental Impact Assessment Report (EIAR) dated June 2015 and approved by CEA on 31.03.2016

Table 1-1: Summary of ongoing construction packages in the UECP

| Item | UECP-ICB-1 | UECP-ICB-2A | UECP-ICB-2B |
|--------------------------|---|---|--|
| Contract No. | MMDE/MWSIP/ADB/UEC/ICB-1/3267-3268-SRI/ICB/2016/002 | MMDE/MWSIP/ADB/UECP/ICB-2A/P47381-005-SRI/ICB/2017/006 CONTRACT PACKAGE UECP-ICB-2A | MMDE/MWSIP/ADB/UECP/ICB-2B/P47381-005-SRI/ICB/2016/026 |
| Contractor | M/s. CML-MTD Construction Ltd. | China State Construction Engineering Corporation Ltd (Sri Lanka) | M/s. Sinohydro Corporation Ltd. |
| Commencement Date | 11 January 2017 | 10 March 2021 | 14 September 2018 |
| Value of Contract | LKR 3,742,442,875.47 (incl. VAT) | LKR 43,278,994,452.29 (incl. VAT) | LKR 8,218,957,075.94 (incl. VAT) |
| Original Completion Date | 08 January 2020 | 09 March 2027 | 10 September 2021 |
| Updated Completion Date | 23 May 2021 (Amendment Agreement 2, further EOT in process) | N/A | 12 December 2021 |

7. Overall progress of the three active contract packages under UECP are summarized in the **Table 1-2**.

Table 1-2: Progress of Ongoing Contract Packages

| Contract | Status of Contractor's Work Program | Status of Submitting CEMP | Physical Progress | | | Contract Period | |
|-------------|---|---|-------------------|----------------|------------|-------------------|-------------------|
| | | | Original CP* (%) | Current CP (%) | Actual (%) | Original (months) | Forecast (months) |
| UECP-ICB-1 | Commented on the submitted program only for monitoring purposes | 2nd Revision of CEMP approved in May 2017 under "AN" status. But with the revised scope approval of CEMP is pending and no response for the comments made in April 2020 | 100 | 100 | 64 | 36 | 53 |
| UECP-ICB-2A | Construction Program accepted with comments – will be revised. | 1st revision submitted on 30 April 2021 (Ref. CSCEC-SLK-UECPICB2A-CONST-0099) but Returned for Resubmission (RR) due to not submitting a site-specific plan following the required ADB guidelines through letter Ref. PMDSC-SITE-ICB_2A-CSCEC-0112 on June 01, 2021. No revised report submitted. | 1.9 | - | 1.1 | 72 | 72 |
| UECP-ICB-2B | Construction Program accepted | Revision E of the CEMP was approved on 16.10.2019 through letter Ref. PMDSC-KMTC-RE/ICB-2B/ShCL/L578 | 98 | 70 | 57 | 36 | 46 |

Abbreviations: AN – Approved except as noted

8. Details related to the Tranche 3 packages under additional finance and their progress of bidding process in summarized under the **Table 1-3**.

Table 1-3: Progress of upcoming packages under UECP as of December 2020

| Package (previous name) | Revised Abbreviated Name of Contract package | Scope | Status |
|--|--|---|--|
| UECP-ICB-3 (submitted the complete document on 09 March 2021) | NCPCP-3 | Construction of North Central Province Canal from Kongetiya to Madethhawewa (from 3+980 km to 17+718 km) Including Balance Works from 0+100 km to 3+980 km Contract Package NCPCP-3 | 15.06.2021 (TEC Com.) 17.06.2021 (TEC meeting) 18.06.2021 (TEC Com.) Revision 1 submitted on 23.06.2021 |
| UECP-ICB-4 (submitted the complete document on 21 May 2019) | NCPCP-4 | North Central Province Canal from Madethhawewa to Main Tunnel Inlet at Konduruwawa (from 17+718 km to 27+509 km) | Environment Screening completed, and updated EMP prepared. Revision 5 of the bidding documents submitted to PMU on 11.06.2021 |
| UECP-ICB-5 (submitted the complete document on 18 September 2020) | NCPCP-6 | North Central Province Canal Construction of Transfer Canal from Yakalla to Maminiya Oya (from 0+000 km to 6+131 km), Improvements to Maminiya Oya (from 0+000 km to 13+309 km) and Improvements to Eru wewa Right Bank (RB) Canal to Kanadara Oya (from 0+000 km to 10+941 km) | Revision 3 of the bidding documents submitted to PMU on 11.06.2021 |

1.2.1 UECP-ICB-1

9. Construction of Upper Elaheira Canal (UEC) from 0+100 km to 3+980 km comes under the UECP-ICB-1 contract package, located within the ecologically sensitive, Elaheira-Girithale Sanctuary area. The corridor of the canal to be constructed as a cut and cover conduit, is temporary released by the Department of Wildlife Conservation (DWC) to the Ministry of Mahaweli Development (Mahaweli Authority of Sri Lanka – MASL). **Figure 1-1** shows the map on the sub-project area.

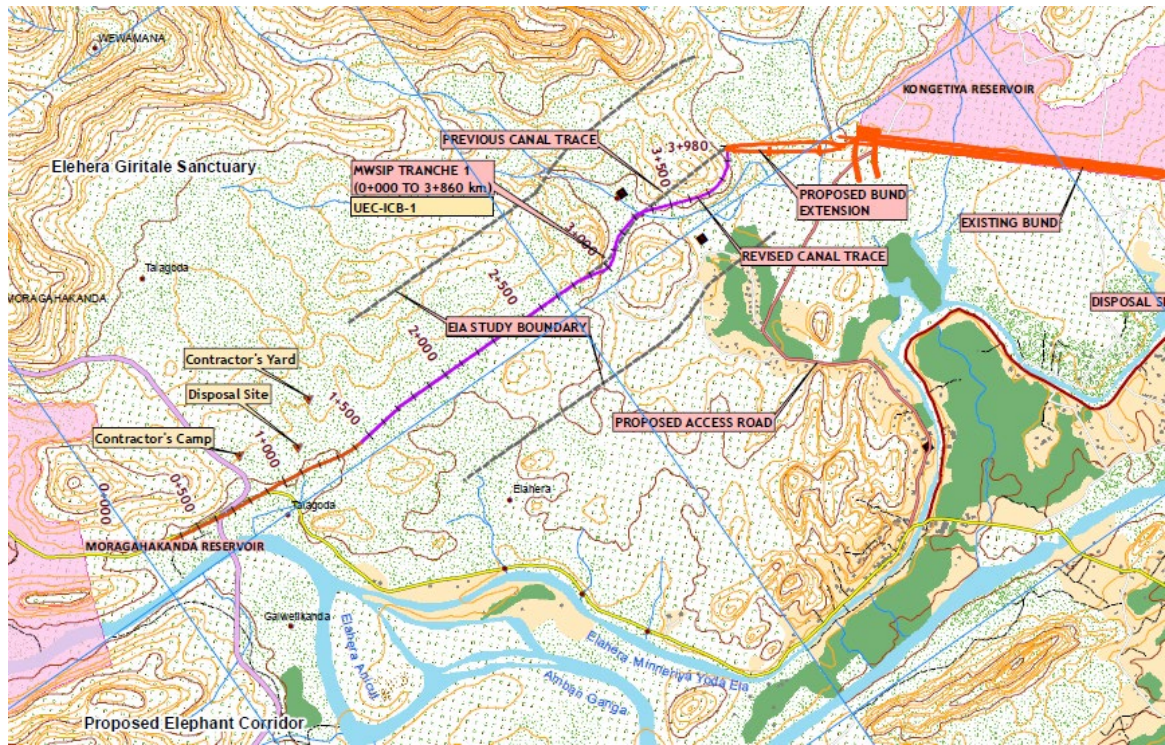


Figure 1-1: Map of the UEC-ICB 1 area

10. Package UECP-ICB-1 has been significantly behind schedule, and there are serious concerns about the financial stability of the Contractor (CML) and their contractual relationship to an investor associated with the package.

11. By end of the monitoring period of June 2021, there were 07 Milestones set by Amendment No. 02. Milestones No. 01, 02 and 03 are 100% completed and No. 04, 05, and 06 were to be completed by end of the 2020. Environmental Officer resigned from 15 February 2021 and a new officer was not appointed as of reporting date. Environmental matters were looked after by a nominated person.

12. The site has been abandoned with a stoppage in construction works from 12 May 2021 and daily routing works such maintenance of electrical fence, safety net and site clearing have not been carried out for 2 months period. The completion report on the environmental aspects in the package was prepared by EMS/ ES targeting contract termination. However, still the employer was not fully ready to take over the site fulfilling required environment safeguard aspects, which are addressed in the Environmental Contingency Report prepared for UECP-ICB-1 in June 2020 and submitted with PMU for necessary arrangements via letter Ref. 26.4 / 7.23_L03931 on 20 June 2020.⁵

⁵ Environment Contingency Plan for Termination of UECP-ICB-1 contract (June 2020) by PMDSC <https://1drv.ms/b/s!Ahhjzel6UbyzhIFkE0BzB0vfno-uvQ?e=M7Nc3T>

13. Though the planned physical progress should reach 100% by January 2020, as per the revised program, only 64% of physical progress is achieved by June 2021 in UECP-ICB-1 package. The breakdown of the activity wise progress achievement by end June 2021, including physical and financial progress is shown in the **Figure 1-2**.

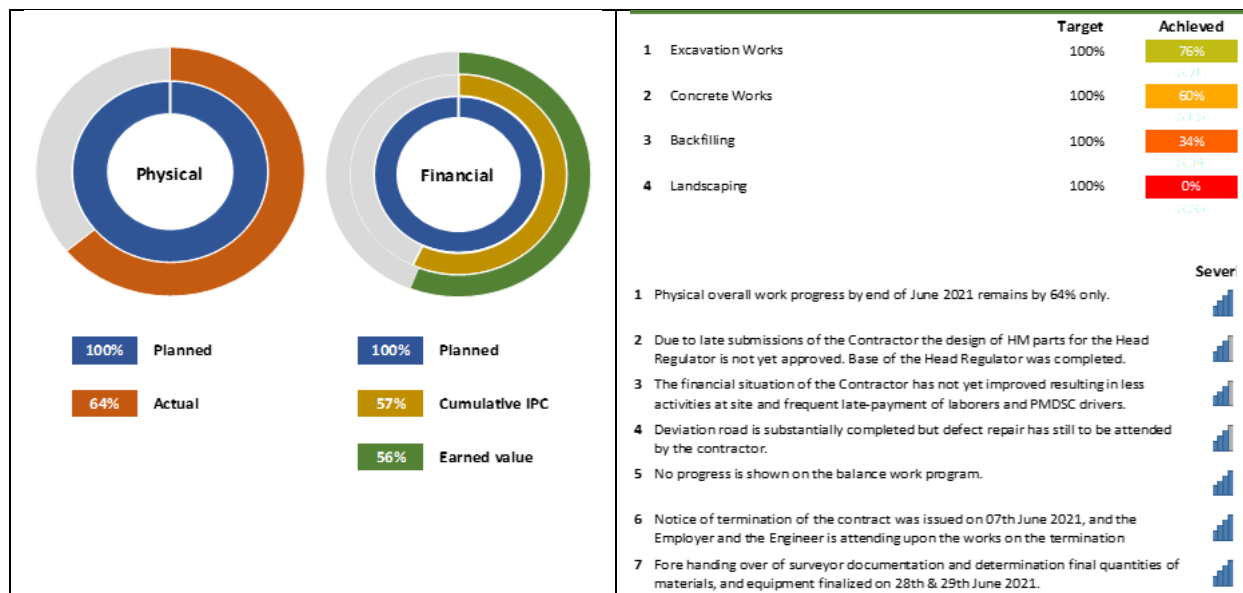


Figure 1-2: Overall package progress of UECP-ICB-1 as of end June 2021

1.2.2 UECP-ICB-2A

14. Contract Package UECP-ICB-2A comprises the construction of the 28.1 km long tunnel (from 27+509 km to 55+600 km), which includes 26.8-km long Tunnel 3 and 1.1 km long Tunnel 4, together with a short section of cut-and-cover canal at the inlet and outlet portals of the tunnels. The layout plan for the UECP-ICB-2A is given in **Figure 1-3**.

15. The sites of the Permanent Works under this Contract, which need to be accessed by the Contractor, are concentrated in two locations: (i) in the north, between the northern start shaft of Tunnel 3 and the northern portal of Tunnel 4; and (ii) in the south, at the southern portal of Tunnel 3. Both accesses of northern and southern portals are associated with ecologically and socially sensitive areas.

16. The northern portal area is very sensitive from a social and cultural point of view due to the presence of public, residential, and agricultural activities, and the ecological significance is also considerable high due to intense elephant movements and the presence of state forests under the purview of the Forest Department (FD), as well as the Local Government Authorities (LGA). Schools, temples, and the other related government institutions are the socially sensitive areas located close to the northern portal, and contractor facilities.

17. The Permanent Works sites and all associated site establishment areas and temporary works areas associated with the northern area are reached from the public road A11, between Ganewalpola and Habarana, turning off at Palugaswewa onto the road leading to Padikaramaduwa. The location of the northern start shaft is ca. 9.7 km from Palugaswewa, and the site of the northern portal of Tunnel 3 can be reached along 2.2 km of access road after turning off the Padikaramaduwa road after ca. 11.2 km.

18. The southern portal area and the associated facilities are in the Elahera – Girithale Sanctuary area, which includes many stream crossings and wild animal movements. The southern portal of Tunnel 3 is reached from

the public road B112, between Girithale and Bakamuna (the Elahera Road), turning off across the Elahera Minneriya Yoda Ela onto a track ca. 3.7 km north of the village of Aththanakadawala. The distance along the route of this track and its extension to the location of the southern portal of Tunnel 3 is ca. 4.5 km. The site establishment areas associated with the Works at and around the southern portal of Tunnel 3 are at two locations along this 4.5 km track route and also adjacent to the B112 at two locations – ca. 2 km north of Aththanakadawala; and on MMDE property in Aththanakadawala itself (designated for the Contractor's sub-camp).

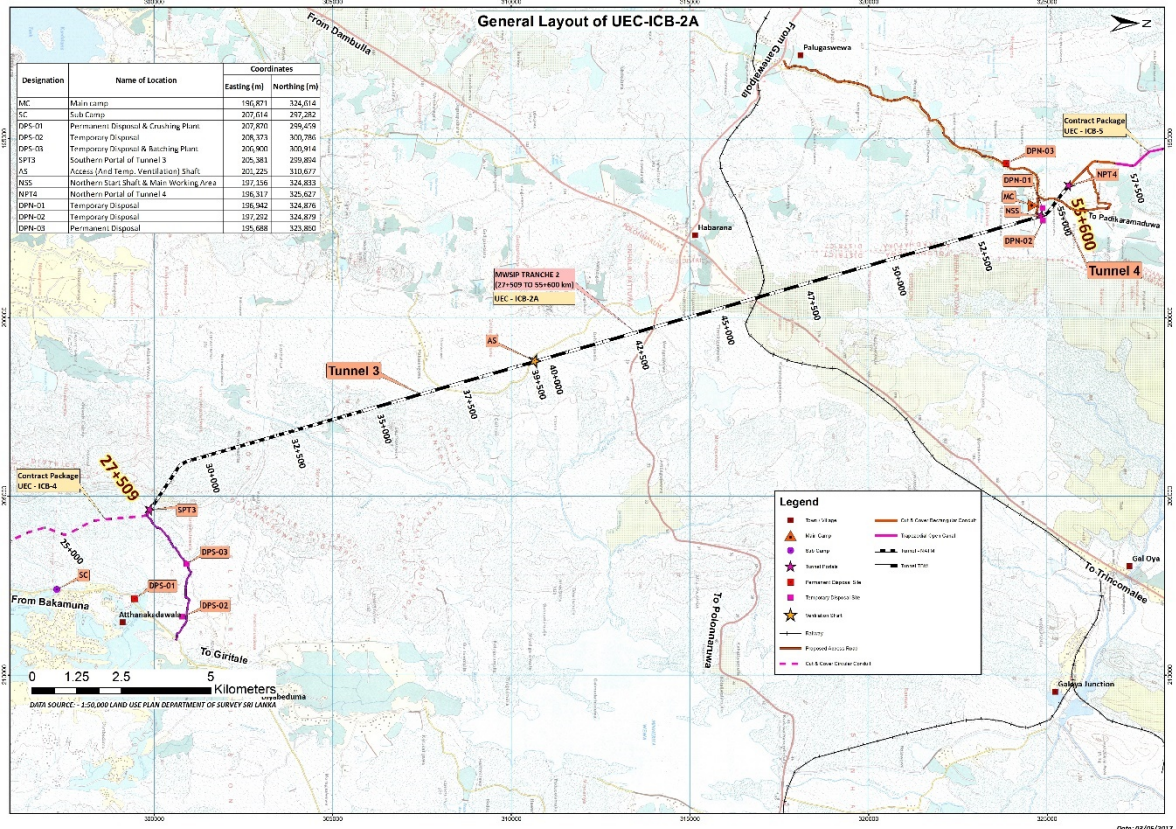


Figure 1-3: General Layout Plan for UECP-2A

19. The key activities in progress under UECP-ICB-2A are the site establishment, including contractor's and engineer's office, camps. The key contractor's documents, including Contractor's Management Plan (CEMP), Waste Management Plan is delayed by the Contractor. The physical work progress by end June 2021 was recorded as 1% upon the planned progress of 2%.

1.2.3 UECP-ICB-2B

20. Construction of the Kaluganga – Moragahakanda link tunnel including short open canal and 2 aqueducts is the scope of work under UECP-ICB-2B contract package. The two tunnels traverse through Forest Department (FD) lands: Tunnel 1 of 1,910 m long (chainage 0+557.77 to 2+467.77 km) and with overburden varying between 5 and 80 m; Tunnel 2 of 6,040 m long (chainage 2+732.77 to 8+772.77 km) and with overburden varying between 6 and 378 m. **Figure 1-4** gives the sub-project area map on UECP-ICB-2B.

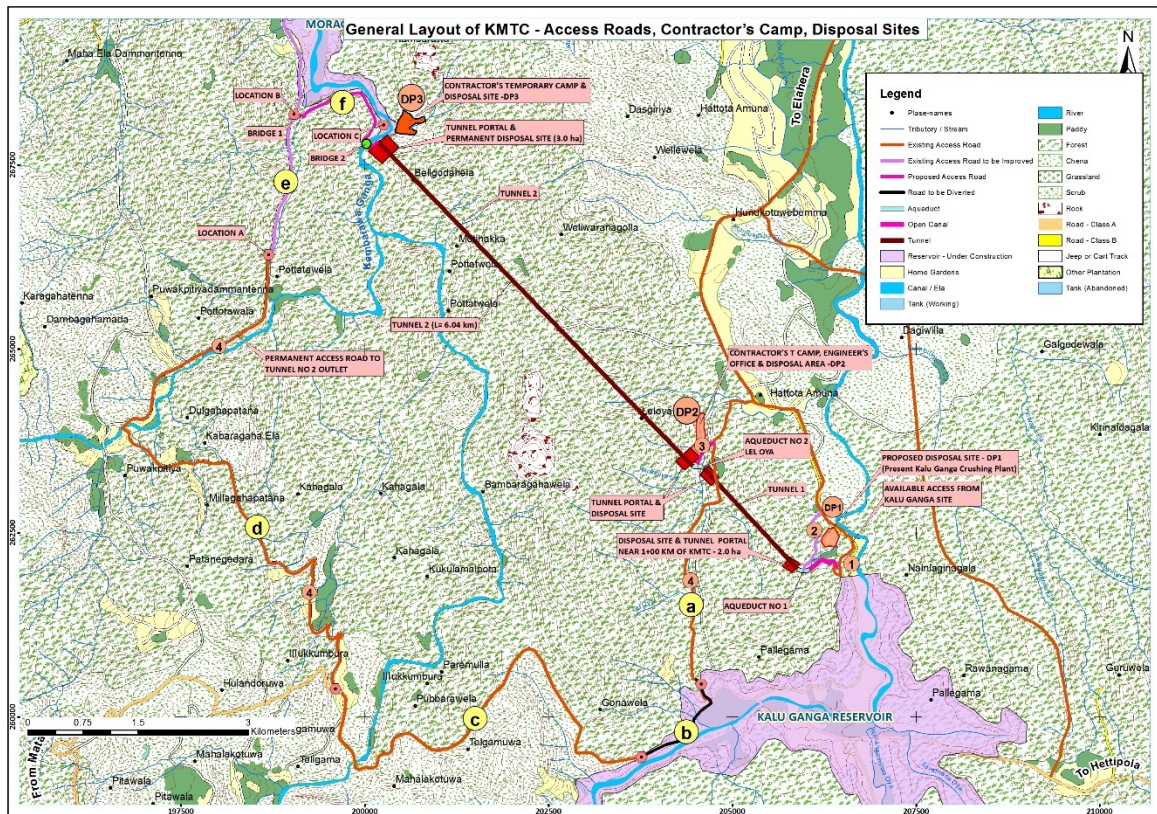


Figure 1-4: Map of UECP-ICB-2B sub-project area

21. The actual construction progress as of end June 2021 is recorded as 57%, which is below the planned progress of 90%, and hence the Engineer’s estimated completion date is predicted as June 2022.

22. Figure 1-5 shows the graphical representation of the overall progress of the UECP-ICB-2B package by end June 2021.

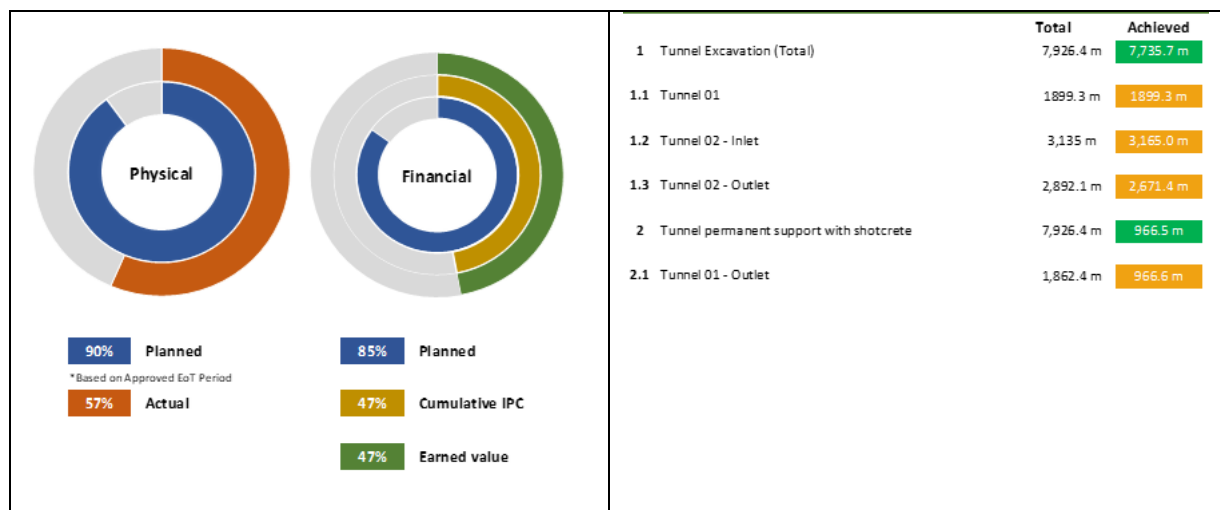


Figure 1-5: Overall package progress of UECP-ICB-2B as of end June 2021

23. Major risks and concerns related to UECP-ICB-2B package identified during the reporting period includes, (i) open canal, aqueduct and access roads are delayed; (ii) disposal sites capacity is exceeded and no approval from CEA is granted for the new identified sites.

2 SCOPE CHANGES IN THE UECP

2.1 UECP-ICB-2B

24. The significant scope change related to UECP-2B is the increase of number of trees to be felled down in the access road to Kabarwa (Tunnel 2 outlet portal) known as section “d” shown in **Figure 1-4** of this SAEMR.

25. Referring to the Addendum to Environment Impact Assessment (EIA) prepared in July 2017, Section ‘d’ was an existing road trace appeared as a jeep track, 4 m wide single-track roadway of variable quality and surfacing. It was less demanding with respect to hairpin bends and general topography than the previous Section ‘c’ of the access road. Potholes and worn road surfaces were present at numerous locations along the 10 km distance.

26. Considerable improvement work was done with a minimum scope for increasing the general width of the roadway facilitating contractor to use the road for the construction work, material transport etc with minimum tree felling. Accordingly, there were only 12 trees was identified which were located in the road trace and drainage areas as per the approvals issued by Forest Department and the Divisional Secretary, Laggala in October 2020 (relevant letters are given as **Annex 1**).

Incident # 01 on 08.06.2021

- As per PIU invitation, District Forest Officer (DFO) attended site visit to damaged forest area in Beligoda to see CAP progress. On the way of DFO, observed that a few boundary posts belong to FD has been damaged by the Contractor during the road clearing.
- Hence, Excavator Operator and one of the site supervisors have been arrested with the excavator and these two guys have been released on bail of FD. However, legal actions are in progress against suspects.

Incident 02 in 10.06.2021

- As explained in Para 27 of above section related to Annex 2, tree list was prepared jointly with participating FD, PIU and PMDSC and identified 110 trees need to be removed for construction purposes. The tree list was sent to Divisional Secretary and FD to verify the land ownership.
- While waiting for FD approval, DS has sent an approval (Ref. 11/03/2/1/1 dated 30 April 2021) to State Timber Cooperation (STC) with copied to PD-PIU to remove 44 trees out of the 103 (trees belong to section 6+735 km to 10+600 km of Section “d” access road).
- Accordingly, the Engineer was informed by PD-PIU (Ref. UEC/PD/KMTC/PMDSC/2021/027) about the approval and instructed to take necessary action to remove the trees, then the Contractor was instructed to do tree removal work and removed trees stack in place safe until collect from STC.
- FD informed on 10.06.2021 after their site visit, only 19 trees belong to DS authority approval and balance of 44 belong to FD and they should be removed with FD approval. Further, FD said that additional 10 trees (Trees are not in the tree list) have been removed by STC.
- Based on this, now FD conduct an inquiry on the action of felling trees in a protected area without prior approval from FD

27. After this a decision was taken to implement the road expansion requested by the Employer, which required to fell 110 trees as per the list attached in the **Annex 2**. As per the letter issued by Range Forest Officer (RFO), Laggala on 23 April 2021 (Annex 2), except for 15 trees which are located in private lands, RFO has recommended to carry out an environment assessment prior to approve felling the trees which are located in protected areas (Knuckles Conservation Forest, Elagamuwa reserved forest, Dammnatota Reserve Forest).

28. However, a conflict situation has happened on 8 and 10 June 2021 (refer to the text box above) in the Section “d” area, due not following proper approval process via Forest Department (FD) as well as not complying with the “Thumb rule of ADB SPS (2009)” on “Critical habitats”, not understanding alternatives, and justifying road expansion in engineering and environmental point of view.

2.2 UECP-ICB-2A

29. With the intension of expediting tunnel work, the Employer has requested Engineer to consider options to reduce the completion time, and hence two options are being studied: (i) introducing a Central adit; (ii) introducing 2 TBMs from Southern Portal area. The Engineer is presently working on the design alternatives, and a supplementary report for the EIA will be completed considering environmental aspects related to the proposed scope changes.

30. An Engineering Special Report is submitted by PMDSC to the employer addressing possible environmental risks, followed by an Environment Screening during the reporting period.

3 ENVIRONMENTAL MONITORING FINDINGS

31. This section summarizes the key environmental issues recorded during the monitoring period from January to June 2021, and the corrective actions taken by the Contractors.

3.1 UECP-ICB-1

32. The Notice of Termination of the Contract was issued on 07 June 2021, with the Employer and Engineer attending required work for the contract termination. A series of discussions, and site visits were made with the Wildlife Conservation Department (DWC) regional office, followed by a meeting held on 17 March 2021, with the participation of DWC, PMDSC, PIU to discuss the site management after contract termination. Meeting minutes are given in **Annex 3**. However, finally employer has decided to attend required security and site maintenance under a separate contract through MASL.


33. Presence of open excavated sections with incomplete exposed iron bars result a significant risk to wild animals in the Elahera – Girithale Sanctuary area due to site termination. Out of the 75% of the excavated canal sections, it is only 34% where backfilling is completed. Rest of the 41 % of the canal (approx. 1+638 km length) which are less than 500 m continuous sections are left abandoned in the wildlife areas which are protected with electric fencing




34. In addition, natural water ways are blocked and bisected due to excavated canal, and restoration work is incomplete, specially at 1+203 km in section 1 and at 0+794 km in Section 4, which can cause impacts to the downstream environment flow hindering surface runoff.

35. The key contractor facilities including batching plant, disposal areas left unattended without site restoration and site access not completely blocked which can induce hunting, poaching, vandalism to the protected wildlife habitats. Employer has arranged security through Mahaweli Authority by end of the reporting period to the UECP-ICB-1 area.

36. Details of existing disposal sites at the contract termination by end of reporting period is given in the **Table 2-1**.

Table 3-1: Summary of the disposal, stockpile sites in UECP-ICB-1 area

| Site Type | Site Location (chainage / GPS coordinates) | Ownership | Approximate Extent (ha) | Restoration / handing over status | Photographic evidence |
|--------------------------------|--|-----------|---------------------------------|---|---|
| Main temporary Disposal site 1 | 499588 578773 | DWC/FD | 1.46 ha, Average Height 4.5m | Not submitted any restoration plans, and not restored |  |

| Site Type | Site Location (chainage / GPS coordinates) | Ownership | Approximate Extent (ha) | Restoration / handing over status | Photographic evidence |
|---|--|-----------|----------------------------------|-----------------------------------|---|
| Temporary Disposal site 2-End point | 499635 581218 | DWC/FD | 0.54 ha, Average Height 3.7m | |  |
| Temporary Disposal site 3-End point | 499635 581205 | DWC/FD | 0.47 ha, Average Height- 2.9m | |  |
| Temporary Disposal site 4 along the trace | 499855 577757 | DWC/FD | 0.57 ha Height 1.8m | |  |
| Temporary Disposal site- near section 4 | 499870 579490 | DWC/FD | 2.93 Acres | | |
| Storage site | 499656 578570 | DWC/FD | | | |

37. **Figure 3-1** shows some photographic evidence of the abandoned contractor facilities in UEC-ICB-1 area.

| | |
|--|---|
|  |  |
| <p>Batching plant</p> | <p>Crusher plant</p> |
|  |  |
| <p>Camp site</p> | <p>Contractor's office</p> |

Figure 3-1: Photos of abandoned contractor facilities by end of reporting period

38. Habitat enrichment of the UEC-ICB-1 area was commenced in 2019 in the backfilled areas under contractor's Provisional Sum Budget allocated for additional Environmental mitigations. **Table 2-2** summarizes the details. However, due to lack of maintenance the survival rate is low, and weedy shrubs has invaded the undergrowth.

Table 3-2: Reforestation summary in UECP-ICB-1 area

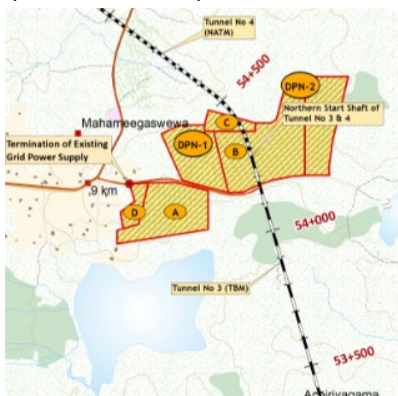
| Site Location | Extent (ha) | Ownership | Reforestation works start date | Total Plants | Number of plants survived |
|----------------------|---------------------|-----------|--------------------------------|--------------|---------------------------|
| 0+986 km to 1+070 km | 1680 m ² | DWC | January 2019 | 381 | 226 (59.2%) |
| 0+986 to 1+150 km | 2400 m ² | | December 2019 | | |

3.2 UECP-ICB-2A

39. Though there was no significant progress of the construction related aspects because only site establishment activities were underway, a significant environmental issue was recorded in Northern portal area due to unmanaged site clearing without having a proper Method Statement (MS) and not implementing required environmental management measures.

40. Table 3-3 summarizes the key environmental monitoring findings and actions taken by PMDSC related to Environment safeguard management.

Table 3-3: Environment Safeguard Management and Key Actions related to UECP-2A within the Reporting Period

| Item | Remarks |
|--|--|
| Contractor’s Environment Officer (EO) | CV submitted by CSCEC (contractor) was approved on probationary basis due to lack of adequate experience in similar work, and training was given by PMDSC on key governing documents, MWSIP environment Safeguard Management as well as on preparing CEMP, and MS on 18 March 2021 in CRE office Dambulla. |
| Tree felling in the areas allocated for Contractor/ Engineer Facilities, disposal site, camp area at Northern portal | <ul style="list-style-type: none"> No detail baseline eco-survey done as planned by PMU through IUCN / selected sub-consultant as PMU was unable to complete the procurement process at the CSCEC contract award However, Baseline eco survey was carried out in 2017 during the environment screening to prepare the Addendum to EIA, and the information already included in the addendum to EIA (2017) Tree felling was urgent, and already commenced in Northern Portal area (area where contractor facilities / disposal site established), and hence, to expedite the process - PIU/PMU requested PMDSC to carry out species translocation during tree felling As the site was already disturbed when PMDSC attended species translocation with help of field assistants and DWC/FD officers in the areas DPN 1 (disposal area), B (main site) and camp area as per the below map.  <ul style="list-style-type: none"> This exercise was carried out to comply with the Section 4.6 of Wildlife Management Plan for UECP (linked with CEA approval condition sub-clause 2.2) Annex 4 provides list of species translocated, and photographic evidence |

| Item | Remarks |
|---|--|
| Contractor's Environment Management Plan (CEMP) | <ul style="list-style-type: none"> Reviewed the CEMP and comments shared with the contractor by 01 June instructing to Return and Resubmit the CEMP due to lack of required details and poor reporting |
| Replace of approved EO of UEC-2A | <ul style="list-style-type: none"> The EO approved on probationary basis was terminated by end May 2021, due to his incompetency and lack of performance to attend required corrective measures, not having sufficient knowledge on documentation, not take part at field monitoring inspections, environmental audits etc., insufficient presence at the site to attend and contribute to required planning and corrective measures etc. |
| Non-Conformance Report (NCR) No. 1 | <ul style="list-style-type: none"> was issued to the Contractor on 19 May 2021, due to not attending the soil erosion and sedimentation corrective actions during site establishment at Northern portal, and siltation of adjacent irrigation tank As explained in the Annex 5, several efforts have been taken by PMDSC to guide the contractor but was not fully successful mitigating the siltation of the adjacent tank due to washing of cleared lands. Hence, NCR No. 01 was issued, and the corrective actions are not yet completed until the end June. Hence, NCR is still open. |

3.3 UECP-ICB-2B

41. Environmental safeguard compliance by the Synohydro has significantly improved except for some operational environmental issues observed during the monitoring period from January to June 2021.

42. **Table 3-4** summarizes the specific issues noted and status of the Contractor's response attending to the required corrective actions.

Table 3-4: Summary of the monitoring findings related to UECP-ICB-2B with specific issues

| Location | Environmental Issue | Date of Record | Corrective Measure | Date Attended |
|---------------------------------|---|----------------|--|---------------|
| Tunnel 1 inlet and aqueduct 01 | Disturbed stream and landscape due to excavation | 21 May 2021 | Stream restoration to be done after completed the excavation | Pending |
| | Sedimentation tanks prepared for wastewater treatment of tunnel is not connected with system | 11 Dec. 2020 | Sedimentation tank was connected to the tunnel, and it is functioned | 29 April 2021 |
| Tunnel 1 outlet and aqueduct 02 | Mixing cement into Lel oya stream during the concreting | 08 May 2021 | Covered the stream with sheet | 24 May 2021 |
| | Turbidity water released from tunnel inside contaminated with Lel oya stream through overflowing sedimentation tank | 05 Feb. 2021 | Lel Oya was cleaned and Water was collected from sedimentation tank and used to dust controlling | 16 Feb. 2021 |
| Tunnel 2 outlet- Kabarawa | No safe location for collecting sludge generating from sedimentation tank of Batching plant | 09 April 2021 | Prepared separate location for sludge collecting | 06 June 2021 |
| | Poor housekeeping is practiced in surrounding area of campsite/workshop | 09 April 2021 | Separate person to be appointed to collect solid waste | Pending |
| Batching plant at Lel Oya | No drainage system to manage storm water | 10 May 2021 | Proper drainage system is required | Pending |
| | Untidy condition in surrounding due to mud and cement sludge at Batching plant | 10 May 2021 | It should be tidied up regularly | Pending |
| | Huge cement dust is emitted from silo and take place air pollution | 02 June 2021 | Repaired the silo for not emitting dust to the surroundings | 06 June 2021 |
| Open canal | Toilet facilities to be provided for female/male workers | 23 April 2021 | Provided toilet facilities by constructing the temporary toilet | 14 May 2021 |

| | | | | |
|------------|--|---------------|--|-------------|
| Section -d | Approval to be taken by relevant authority for disposal site | 02 April 2021 | Approval has taken for 04 disposal site from DS -Laggala | 05 May 2021 |
| | Better surface to be maintained for motorable condition in road -d | 04 June 2021 | Action has not taken | Pending |
| | Dust controlling to be carried out as per the scheduled | 04 June 2021 | Deployed the water bowser to control dust | 08 May 2021 |

43. The summary of the Environment Non-compliance Reports (NCRs) or issuing Environment Incident Records (EIRs) during the reporting period is given in the **Table 3-5**.

Table 3-5: Summary of NCR and EIR issued during the monitoring period for UECP-ICB-2B

| NCR / Env Incident records (Ref. No. & Date) | Subject | Response from the contractor (Ref/Date) | | Corrective actions attended | | Remarks as per EMS observations / close NCR | |
|--|--|---|---------------|--|----------------|---|---------------|
| | | Ref No. | Date | Action | Date completed | Follow up letter Ref | Date |
| PMDSC-KMTC-RE/ICB-2B/ShCL/L49, 12th September 2019 | NCR No. 004 for Disposing excavated earth materials on the slope of access road section -f | L-KMTC-2019422 | 02 Oct 2019 | Removed loose earth section as much as possible and developed the drainage system and covered slope toe with mucking materials. Planted some of the creepers on slope | 12 March 2021 | NCR was closed | 21 April 2021 |
| NCR-011 22 Feb. 2021 | Violating of condition of the EPL-issued CEA | L-KMTC-2021180 | 04 May 2021 | Constructed new tank and stopped connecting each other of sedimentation process of Both BP and QDWP. Formed the new location for sludge disposal on the top the DS. Cleaning the plant premises regularly. | 02 May 2021 | PMDSC-KMTC-RE/ICB-2B/ShCL/L201 | 18 May 2021 |
| PMDSC-KMTC-RE/ICB-2B/ShCL/L1109, 15 March 2021 | Dirty water discharged to Lel Oya stream | L-KMTC-2021114 | 18 March 2021 | Sludge was removed from the drain, prepared separated and confined location for sludge removal | 16 March 2021 | N/A | N/A |

44. Some photographic records on the key aspects during environmental monitoring under UECP-ICB-2B are shown in **Figure 3-2**.

| | |
|--|--|
|  |  |
| <p>Poor housekeeping - 12 Jan. 2021</p> | <p>Action taken cleaned and tidy condition - 27 Jan. 2020</p> |
|  |  |
| <p>No action taken for renovating the Sedimentation tank, BP-Lel oya - 11 Feb. 2021</p> | <p>Renovated the sedimentation tanks - 22 Feb. 2021</p> |
|  |  |
| <p>No brushwood added in Damaged Forest area - 26 Jan. 2021</p> | <p>Added brushwood - 01 Feb. 2021</p> |

| | |
|---|--|
|  |  |
| <p>Sludge dumped into the drain Lel oya BP premises - 15 March 2021</p> | <p>Removed sludge from drain - 23 March 2021</p> |
|  |  |
| <p>Unsatisfied sludge dumping in Lel oya - 17 March 2021</p> | <p>Prepared confined location to remove sludge - 23 March 2021</p> |
|  |  |
| <p>Uncleaned water sent directly to stream - 27 April 2021</p> | <p>Water line connected to sedimentation tank - 29 April 2021</p> |

| | |
|---|--|
|  |  |
| <p>Waste disposed improper way-section d -28 April 2021</p> | <p>Removed and cleaned the location - 29 April 2021</p> |
|  |  |
| <p>Not provided toilet facilities for open canal area - 08 May 2021</p> | <p>Provided toilet facilities for open canal area - 14 May 2021</p> |
|  |  |
| <p>Cement dust emitting from BP silos at Lel oya - 02 June 2021</p> | <p>Action taken to stop dust generating</p> |

Figure 3-2: Photographic Evidence in UECP-ICB-2B Area during the reporting period

4 CONSULTATIONS, MEETING CARRIED OUT UNDER UECP DURING THE REPORTING PERIOD

45. **Table 4-1** summarizes the construction-based activities and joint visits involved by the Employer and the PMDSC with the Contractor and other key stakeholder agencies during the monitoring period.

Table 4-1: Construction based events carried out during the monitoring period

| Date | Activity | Location |
|------------|--|------------------------|
| 2021.01.12 | Monthly joint site inspection carried out with SEO-PIU, ES-PMDSC and site HSE officers | Lel Oya |
| 2021.01.19 | Field visit to road section -d to observe the land issue on bi-pass road for culvert construction | Poththatawela |
| 2021.01.26 | Field visit to Beligoda damaged forest area attending with FD and PIU and PMDSC officers | Beligoda |
| 2021.02.15 | Joint site inspection with PD-PIU and PMDSC and Contractor staff | Lel Oya Batching plant |
| 2021.02.16 | Practised measuring of environmental quality monitoring attending with PMDSC and Contractor | Lel Oya |
| 2021.02.23 | Conducted PCR test by MOH office Laggala | RE office-KMTC |
| 2021.03.04 | Field visit for tree remuneration work PIU, PMDSC and Contractor | KMTC Section -d |
| 2021.03.08 | Field visit for land donation works for construction attending with PIU, PMDSC and Contractor officers | KMTC Section -d |
| 2021.03.16 | Field visit for tree remuneration works attending with PIU, PMDSC and | Rambukoluwa |
| 2021.03.17 | Field visit to UEC ICB-1 attending with DWC, PIU and PMDSC | UEC ICB-1 |
| 2021.03.24 | Field visit to section -d for tree remuneration work attending with FD, PMDSC and PIU | KMTC section-d |
| 2021.04.01 | Field visit to Elahera with attending FD, DWC, PIU, PMDSC officers | UEC-ICB-1 |
| 2021.04.07 | Conducted PCR test for PIU, PMDSC officers attending with MOH officers | RE office KMTC |
| 2021.04.08 | Field visit to Elahera and KMTC with attending ADB mission team, PUM, PIU, PMDSC officers | UEC-ICB-1 and KMTC |
| 2021.05.07 | Field visit to section -d to observe the borrow pit attending Archaeological officers | KMTC section-d |
| 2021.05.11 | Conducted disinfection programme in UEC ICB-1 office due to recording Covid-19 infected officer | UEC-ICB-1 |
| 2021.05.19 | Property condition survey was conducted by TC-GSMB | KMTC section-d |
| 2021-06-04 | Field visit to section -d to observe the ROW of the road attending PRDA officers | KMTC section-d |

46. There are other meetings carried out as awareness sessions, informal communications under GRC mechanism and the **Table 4-2** summarized such meetings conducted related to KMTC.

Table 4-2: Summary of the other meetings, awareness sessions conducted under KMTC

| Type of event | Purpose | No. of participants | Location (GN-DS) | Date | Resource persons | Remarks |
|---------------|--|---------------------|---------------------------|---------------|----------------------------|-------------|
| Awareness | Aware villagers on improvement of road section -d and land donation for it | 22 | Ilukkumbura and Kahagala | 19 Jun. 2021 | ERE-PIU, CO-PIU, ARE-PMDSC | See Annex 4 |
| Awareness | Aware villagers on improvement of road section -d and land donation for it | 17 | Puwakpitiya/Poththatawela | 19 Jun. 2021 | ERE-PIU, CO-PIU, ARE-PMDSC | See Annex 4 |
| Awareness | Aware school children on | 74 | Puwakpitiya | 22 March 2021 | PD, CS, CO-PIU | See Annex 4 |

5 PROPOSED ACTIVITIES FOR NEXT REPORTING PERIOD (JULY TO DECEMBER 2021)

47. The key activities to be carried out by the Employer and PMDSC jointly during the next reporting period are summarized in **Table 5-1**.

Table 5-1: Key activities planned for next reporting period

| |
|--|
| Construction related |
| <ul style="list-style-type: none"> • Ecological Monitoring along UECP-ICB-2B tunnel area • Habitat restoration under UECP-ICB-2B |
| Baseline Environmental Quality Monitoring (Air/ Noise/ Vibration) in UECP-ICB-2A |
| Additional Surveys |
| <ul style="list-style-type: none"> • Preparing addendum / supplementary EIA for the scope changes in UECP-ICB-2A, NCPCP-3, NCPCP-5 packages |

Annex 1: List of Trees (12 Numbers) identified in 2020 for felling under Section “d” rehabilitation



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 மேல் எலஹேர கால்வாய் திட்டம்
 Upper Elahera Canal Project
 (UECP – ICB 1 & 2B)



මහවැලි, කෘෂිකර්ම, වාරිමාර්ග සහ ග්‍රාම සංවර්ධන අමාත්‍යාංශය
 மகாவேலி, வேளாண்மை, நீர்ப்பாசனம் மற்றும் ஊரக வளர்ச்சி அமைச்சகம்
 Ministry of Mahaweli, Agriculture, Irrigation & Rural Development

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 மகாவேலி நீர்ப்பாதுகாப்புக்கான முதலீட்டுத் திட்டம்
 Mahaweli Water Security Investment Program

Project Office, New Road, Guruwela, Laggala

திட்ட அலுவலகம், புதிய நோட், குருவெல, லக்கல

ව්‍යාපෘති කාර්යාලය, අලුත් පාර, ඉරුවෙල, ලග්ගල

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ඉහත කටයුතු පිළිබඳව ඔබ ලබා දෙන සහයෝගය ඉතා අගය කරමි.

ඉංජ. ඩී.බී. විජයරත්න,
 ව්‍යාපෘති අධ්‍යක්ෂ (ICB-1 & ICB-2B),
 මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන,
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- වැඩසටහන් අධ්‍යක්ෂ (MWSIP) - දැ.ග.ස
- නේවාසික ඉංජිනේරු (PMDSC) - දැ.ග.ස
- ග්‍රාම නිලධාරී (කහගල/ පුවක්පිටිය/පොත්තටුවෙල) - අ.ක.ස
- ව්‍යාපෘති කළමනාකරු (Sinohydro Coporation Ltd.) - දැ.ග.ස.

කල ලියා 2020.08.17 දින 2020

(Handwritten signature and date)

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மேல் எலஹேரா கால்வாய் திட்டம்
Upper Elahera Canal Project
(UECP - ICB 1 & 2B)



මහවැලි, කෘෂිකර්ම, වාරිමාර්ග සහ ග්‍රාම සංවර්ධන අමාත්‍යාංශය
மகாவேலி, வேளாண்மை, நீர்ப்பாசனம் மற்றும் ஊரக வளர்ச்சி அமைச்சகம்
Ministry of Mahaweli, Agriculture, Irrigation & Rural Development

මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන
மகாவேலி நீர்ப்பாதுகாப்புக்கான முதலீட்டுத் திட்டம்
Mahaweli Water Security Investment Program

Project Office, New Road, Guruwela, Laggala

திட்ட அலுவலகம், புதிய ரோட, குருவெல, லக்கல

ව්‍යාපෘති කාර්යාලය, අලුත් පාර, ගුරුවෙල, ලග්ගල

මගේ අංකය }
எனது இல } UECP/PD/ENV/16

ඔබේ අංකය }
உமது இல }

දිනය }
திகதி } 2020.08.11

ප්‍රාදේශීය ලේකම්,
ප්‍රාදේශීය ලේකම් කාර්යාලය,
ලග්ගල.

ඉලක්කමුර - පොත්තටුවෙල මාර්ගය අළුත්වැඩියා කිරීම .

මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන යටතේ අළුත්වැඩියා කිරීමට යෝජිත ඉහත මාර්ගයේ පළල් කිරීමේ කටයුතු වලට අදාළව ගස් 12 ක් පමණ ඉවත් කිරීමට අවශ්‍යව ඇත. අදාළ ග්‍රාමසේවා වසම් වලට අනුකූලව එම ගස් වල අමුණා ඇති ලේඛනයට අනුව සලකුණු යොදා ඇත.

මෙම මාර්ග සංවර්ධන කටයුත්ත ඉතාම කඩිනමින් ආරම්භ කිරීමට සැලසුම් කර ඇති අතර අදාළ ගස් ඉවත් කිරීමේ කටයුතු ද කඩිනමින් සිදු කල යුතුව ඇත.

එම අවශ්‍යතාවය සලකා බලා මේ සමග අමුණා ඇති ගස් ලැයිස්තුවේ සඳහන් ගස් ඉවත් කිරීමට අදාළ කටයුතු නොපමාව සලසා දෙන මෙන් කාරුණිකව ඉල්ලා සිටිමි.

ඉහත කටයුතු පිලිබදව ඔබ ලබා දෙන සහයෝගය ඉතා අගය කරමි.

 o/c

ඉංජි. ඩී.බී. විජයරත්න,
ව්‍යාපෘති අධ්‍යක්ෂ (ICB-1 & ICB-2B),
මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන,
මහවැලි, කෘෂිකර්ම, වාරිමාර්ග සහ ග්‍රාමීය සංවර්ධන අමාත්‍යාංශය.

පිටපත:

- වැඩසටහන් අධ්‍යක්ෂ (MWSIP) - දැ.ග.ස
- නේවාසික ඉංජිනේරු (PMDSO) - දැ.ග.ස
- ග්‍රාම නිලධාරී (කහගල/ පුවත්තර්ටුවෙල) - අ.ක.ස
- ව්‍යාපෘති කළමනාකරු (Sinohydro Coporation Ltd.) - දැ.ග.ස.

ඇමුණුම 01

ගස් ලැයිස්තුව - කහගල වසම

| අනු අංකය | දුර (කි.මී) | දිශාව | මධ්‍ය රේඛාව සමග පරතරය | ගස් නම | වට ප්‍රමාණය | වෙනත් කරුණු | ගස් සලකුණ |
|----------|-------------|-------|--------------------------------|--------|----------------|----------------|--------------|
| 01 | 2+888 | RHS | 3.7 | මලිඳ | 1200 | අස්ථාවර | K-1 |

ඇමුණුම 02

ගස් ලැයිස්තුව - පුවක්පිටිය වසම

| අනු අංකය | දුර (කි.මී) | දිශාව | මධ්‍ය රේඛාව සමග පරතරය | ගසේ නම | වට ප්‍රමාණය | වෙනත් කරුණු | ගසේ සලකුණ |
|----------|-------------|-------|-----------------------|----------|-------------|------------------|-----------|
| 01 | 4+992 | LHS | 2.8 | කර කොළ | 1600 | - | P-1 |
| 02 | 5+737 | RHS | 2.6 | හැලඹ | 2200 | - | P-2 |
| 03 | 5+892 | LHS | 3.6 | කොස් | 4500 | අධික වක්‍රතාවය | P-3 |
| 04 | 6+012 | LHS | 2.5 | බුළු | 3000 | - | P-4 |
| 05 | 7+298 | LHS | 2.2 | නුග | 2500 | - | P-5 |
| 06 | 7+470 | LHS | 2.6 | මීල්ල | 1800 | යෝජිත පැති බැම්ම | P-6 |
| 07 | 7+479 | LHS | 4 | නිකුල | 1000 | - | P-7 |
| 08 | 7+480 | LHS | 4 | හුලංභික් | 1500 | - | P-8 |
| 09 | 7+512 | LHS | 3 | අඹ | 1200 | - | P-9 |

ඇමුණුම 03

ගස් ලැයිස්තුව - පොත්තටවෙල වසම

| අනු අංකය | දුර (කි.මී) | දිශාව | මධ්‍ය රේඛාව සමග පරතරය | ගස් නම | වට ප්‍රමාණය | වෙනත් කරුණු | ගස් සලකුණ |
|----------|-------------|-------|--------------------------------|-------------|----------------|----------------|--------------|
| 01 | 9+915 | LHS | 2.3 | කැන්ද | 1500 | - | PT-1 |
| 02 | 10+054 | RHS | 1.7 | ලුණුමිදැල්ල | 2000 | - | PT-2 |



ප්‍රාදේශීය මහ ලේකම් කාර්යාලය - ලග්ගල
 பிரதேச செயலகம் - லக்கல
 DIVISIONAL SECRETARIAT - LAGGALA

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මගේ අංකය / எனது இல. } 11/3/2/1/1
 My No.

ඔබේ අංකය / உமது இல. }
 Your No.



2020.09. 29

ජ්‍යෙෂ්ඨ ප්‍රාදේශීය ඉංජිනේරු,
 රාජ්‍ය දැව සංස්ථාව,
 මහනුවර.

Handwritten initials: JPD, ML

ඉලක්කුසිර - පොත්තටුවෙල මාර්ගය අළුත්වැඩියා කිරීම හා සම්බන්ධවයි.

මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන යටතේ අළුත්වැඩියා කිරීමට නියමිත යෝජිත ඉහත මාර්ගය පළල් කිරීමේ අවශ්‍යතාවය හේතුවෙන් ගස් කිහිපයක් ඉවත් කිරීම සම්බන්ධයෙන් මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන් ව්‍යාපෘති අධ්‍යක්ෂක විසින් 2020.08.11 දිනැති ව UECPPD/ENV/16 සමාංක සහිත ලිපිය මගින් මා වෙත ඉල්ලීම් කර ඇත.

02. ඒ අනුව එකී ලිපිය මගින් ඉදිරිපත් කරන ලද ගස් සම්බන්ධව ලබා ගන්නා ලද නිර්දේශ වලින් පසුව ඉවත් කළ යුතු ගස් වර්ග මේ සමඟ අමුණා ඇති අතර, එකී සංවර්ධන ව්‍යාපෘතිය කඩිනමින් කළ යුතු බැවින් අදාළ ගස් ක්ෂේත්‍රයෙන් ඉවත් කිරීමට අවශ්‍ය කටයුතු සිදු කර දෙන ලෙස කාරුණිකව දන්වා සිටිමි.

ප්‍රාදේශීය ලේකම්,
 ලග්ගල

Handwritten signature: Mr. Rajeev - JPD
Handwritten initials: F.N.A.M

Handwritten signature: MA DM
 5/10/2020

- පිටපත්-
- 01. ව්‍යාපෘති අධ්‍යක්ෂක, මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන, ඉහළ ඇළහැර ඇළ ව්‍යාපෘතිය. - කා.දැ.පි.
 - 02. ග්‍රාම නිලධාරී, ග්‍රාම නිලධාරී කාර්යාලය, පුවක්මටිය. - කා.දැ.පි.
 - 03. ග්‍රාම නිලධාරී, ග්‍රාම නිලධාරී කාර්යාලය, පොත්තටුවෙල. - කා.දැ.පි.
 - 04. ග්‍රාම නිලධාරී, ග්‍රාම නිලධාරී කාර්යාලය, කහගල. - කා.දැ.පි.

එස්. විජේසංචාරි
 ප්‍රාදේශීය ලේකම්
 ලග්ගල.



වන සංරක්ෂණ දෙපාර්තමේන්තුව

FOREST DEPARTMENT

வன பாதுகாப்பு துணைக்களம்

අඩවි වන කාර්යාලය - ලග්ගල

RANGE FOREST OFFICE - LAGGALA

வட்டார வள காரியாலயம் லக்ளல



දුරකථන
தொ.பெ
Tel : } 066 - 2275006

ෆැක්ස්
பெக்ஸ்
Fax } 066 - 2275006

ඊමේල්
ஈ.மேல்
E-mail } rfolaggala@gmail.com

මගේ අංක :
எனது இல.
My Ref } LAGB15H

ඔබේ අංකය :
உமது இல.
Your Ref } 11B2H11

දිනය :
திகதி
Date } 2020.09.28

ප්‍රාදේශීය ලේකම්,
ප්‍රාදේශීය මහ ලේකම් කාර්යාලය,
ලග්ගල.

Handwritten signature

ඉඩුක්කඩුර - පොත්තටුවෙල මාර්ගය අලුත් වැඩියා කිරීම.

ලක්ෂ කරුණ යටතේ බඩ විසින් බඩ විසින් මා වෙත යොමු කර ඇති ලිපියට අනුව අදාළ මාර්ගය සඳහා ඉවත් කිරීමට යෝජිත ගස් මා විසින් පුද්ගලිකව පරීක්ෂා කරන ලදී. ඒ අනුව මෙම ගස් ඉවත් කිරීමෙන් වන සංරක්ෂණ ක්‍රියාවලියට සැලකිය යුතු බලපෑමක් සිදු නොවන බව නිරීක්ෂණය කර පහත පරිදි එම ගස් ඉවත් කිරීම නිර්දේශ කරමි.

| ගස් අංකය | වර්ගය | මුළුවට (m) | දළ උස (m) | නිරීක්ෂණ |
|----------|--------------|------------|-----------|---|
| K-1 | කැටකැල | 1.40 | 12 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. ගස අනාරක්ෂිත තත්වයේ පවතී. |
| P-1 | කර කොළ | 1.60 | 10 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. ගස අනාරක්ෂිත තත්වයේ පවතී. |
| P-2 | යකඩ මරන් | 1.60 | 09 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| P-3 | කොස් | 3.90 | 12 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| P-4 | බුළු | 3.50 | 08 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| P-5 | නූග | 2.50 | 02 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| P-6 | කහ මීල්ල | 2.30 | 12 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| P-7 | නිකුල | 1.30 | 06 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| P-8 | හුලංහික් | 2.10 | 18 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| P-9 | අඹ | 1.35 | 03 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| PT-1 | කැන්ද | 1.20 | 10 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |
| PT-2 | ලුණු මීදුල්ල | 1.80 | 18 | මාර්ග රක්ෂිතයේ පිහිටා ඇත. |

පිටපත.

1. පිටති/මාතලේ - කා.ද.වි.

Mr. Jayewera
M. proceed

පී.පී.එස්.තිසේරා
අඩවි වන නිලධාරී,
ලග්ගල.

ඔ.ව.ව.ස. සංස්ථාව
අඩවි වන නිලධාරී

මෙහි ඇඳුම්බ ඇඳ වාර්තාව - කා.ද.වි.

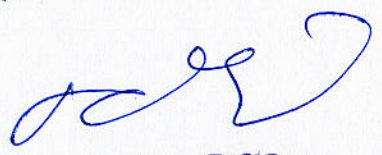
BPD
 FM
 මෙම ලේඛන:- රාජ්‍ය/භූමි/මැද/වැටුප්/මැද/ රාජ්‍ය දැනුම සංවිධාන
 මැද
 2020.10.07

ඉහත සඳහා,
 මහලේ වෙළුම් සහිතව පිටපත් කළ බවට,
 ඉහත ලේඛන දැනුම සංවිධාන,



ඉදිකටු-ලාභකරුවන්ගේ නිලධාරීන්ගේ සේවය

ඉහත සඳහා ම අවධානය යොමු කිරීම, ලාභකරුවන්
 ම සහතික කිරීම සඳහා නිලධාරීන්ගේ සේවය සඳහා
 ම 10 මාස පුරා දැනුම සහිතව සේවය කිරීම සඳහා
 සලසා ඇත. රාජ්‍ය දැනුම සංවිධාන වෙතින් ම දැනුම සහතික
 කිරීම සඳහා දැනුම සහිතව සේවය කිරීම සඳහා
 සහතික කිරීම සඳහා.


 සී.බී. අබේවර්ධන
 සහකාර ප්‍රාදේශීය කළමනාකරු
 රාජ්‍ය දැනුම සංවිධාන
 කළමනාකරු.

සටහන : ප්‍රාදේශීය කළමනාකරු - මහලේ - දි.ම.ව.ප.
 ප්‍රාදේශීය ලේකම් ප්‍රාදේශීය කළමනාකරු - මහලේ, දි.ම.ව.ප.

Mr. Sajeeva - CEO
 M arrange with discuss PMSD
 No 099
 12/10/2020

20.10.13

සහකාර ප්‍රාදේශීය කළමනාකාර,
කළුගහ.



ඉලක්කුමුර - පොත්තටුවෙල මාර්ගය අළුත්වැඩියා කිරීම හා සම්බන්ධවයි - 1172/මක්/2020

උත්ත මැයෙන් යුතුව මා අමතන ලද ලග්ගල පල්ලේගම ප්‍රාදේශීය ලේකම්ගේ අංක:11/3/2/1/1 හා 2020.09.29 දිනැති ලිපිය හා බැඳේ. එම ලිපියේ ඡායා පිටපතක් මේ සමග අමුණා එවමි.

එම ලිපියෙන් පොත්තටුවෙල ග්‍රාම නිලධාරී වසමේ ඉහත මාර්ගය පළල් කිරීම සඳහා බාධා වී ඇති කැන්දු ගස ඉවත් කරන ලෙස දන්වා ඇත. එබැවින් අදාල වසමේ ග්‍රාම නිලධාරීගේ සහාය ඇතිව නිවැරදිව හඳුනාගෙන වහාම එම දැව සංස්ථා භාරයට ගැනීමට කටයුතු කරන්න.

~~සේන~~ ප්‍රාදේශීය කළමනාකාර, /අනු
මහනුවර.

Mr. Jayaraj - අප
M. Cordinele
Mu apu
21/10/2020

පිටපත්:

- 01. ප්‍රාදේශීය ලේකම්, ලග්ගල පල්ලේගම. - දැ.ගැ.පි.
- 02. ව්‍යාපෘති අධ්‍යක්ෂක, මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන ඉහළ ඇළහැර ව්‍යාපෘතිය ලග්ගල. - දැ.ගැ.පි.
- 03. නියෝජ්‍ය ප්‍රාදේශීය කළමනාකාර, මාතලේ. - දැ.ගැ.පි.
- 04. ග්‍රාම නිලධාරී, පොත්තටුවෙල. - ගස නිවැරදිව හඳුනා ගැනීම සඳහා රාජ්‍ය දැව සංස්ථා නිලධාරීන්ට අවශ්‍ය සහයෝගය ලබා දීම පිණිස දැ.ගැ.පි.
- 05. ස.ප්‍රා.ක - කළුගහ. මගින් වැඩබිම් නිලධාරී - ලිපිය ලද වහාම දැව පරික්ෂණ වාර්තාව පිළියෙල කර දින 03 ක් තුළ හෝ ඊට අඩු කාල සීමාවක් තුළ මා වෙත ඉදිරිපත් කිරීමට හැකි වන පරිදි ස.ප්‍රා.ක වෙත ලබා දීමට හා දැ.ගැ.පි.

/නෙ.

ග් අංකය:රාදැස/මහ/13/ලග්ගල පල්ලේගම/2020
 8 දැව සංස්ථාව,
 මහල,
 10.13



සහකාර ප්‍රාදේශීය කළමනාකාර,
 කළුගඟ.

ඉලක්කුමුරු - පොත්තටුවෙල මාර්ගය අවන්වැඩියා කිරීම හා සම්බන්ධවයි - 1173/මක්/2020

උක්ත මැයෙන් යුතුව මා අමතන ලද ලග්ගල පල්ලේගම ප්‍රාදේශීය ලේකම්ගේ අංක:11/3/2/1/1 හා 2020.09.29 දිනැති ලිපිය හා බැඳේ. එම ලිපියේ සාධා පිටපතක් මේ සමග අමුණා එවමි.

එම ලිපියෙන් කහගල ග්‍රාම නිලධාරී වසමේ ඉහත මාර්ගය පළල් කිරීම සඳහා බාධා වී ඇති ඔලිදු ගස ඉවත් කරන ලෙස දන්වා ඇත. එබැවින් අදාල වසමේ ග්‍රාම නිලධාරීගේ සහාය ඇතිව නිවැරදිව හඳුනාගෙන වනාම එම දැව සංස්ථා භාරයට ගැනීමට කටයුතු කරන්න.

~~සේවක~~ ප්‍රාදේශීය කළමනාකාර,
 මහනුවර.

Mr. Sajjara - 860
 M. Cordina LE
 24/10/2020

පිටපත්:

- 01. ප්‍රාදේශීය ලේකම්, ලග්ගල පල්ලේගම. - දැ.ගැ.පි.
- 02. ව්‍යාපෘති අධ්‍යක්ෂක, මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන ඉහළ ඇළහැර ව්‍යාපෘතිය ලග්ගල. - දැ.ගැ.පි.
- 03. නියෝජ්‍ය ප්‍රාදේශීය කළමනාකාර, මාතලේ. - දැ.ගැ.පි.
- 04. ග්‍රාම නිලධාරී, කහගල. - ගස නිවැරදිව හඳුනා ගැනීම සඳහා රාජ්‍ය දැව සංස්ථා නිලධාරීන්ට අවශ්‍ය සහයෝගය ලබා දීම පිණිස දැ.ගැ.පි.
- 05. ස.ප්‍රා.ක - කළුගඟ. මගින් වැඩබිම් නිලධාරී. - ලිපිය ලද වනාම දැව පරීක්ෂණ වාර්තාව පිළියෙල කර දින 03 ක් තුළ හෝ ඊට අඩු කාල සීමාවක් තුළ මා වෙත ඉදිරිපත් කිරීමට හැකි වන පරිදි ස.ප්‍රා.ක වෙත ලබා දීමට හා දැ.ගැ.පි.

/නෙ.

අංකය:රාදැස/මහ/13/ලග්ගල පල්ලේගම/2020
 දැව සංස්ථාව,
 මර.
 10.13



සහකාර ප්‍රාදේශීය කළමනාකාර,
 කළුගඟ.

ඉලක්කුමුර - පොත්තටුවෙල මාර්ගය අවිච්චිත කිරීම හා සම්බන්ධවයි - 1171/මක්/2020

උක්ත මැයෙන් යුතුව මා අමතන ලද, ලග්ගල පල්ලේගම ප්‍රාදේශීය ලේකම්ගේ අංක:11/3/2/1/1 හා 2020.09.29 දිනැති ලිපිය හා බැඳේ. එම ලිපියේ ජායා පිටපතක් මේ සමග අමුණා එවමි.

එම ලිපියෙන් පුවක්පිටිය ග්‍රාම නිලධාරී වසමේ ඉහත මාර්ගය පළල් කිරීම සඳහා බාධා වී ඇති ගස් කිහිපයක් ඉවත් කරන ලෙස දන්වා ඇත. එබැවින් අදාල වසමේ ග්‍රාම නිලධාරීගේ සහාය ඇතිව නිවැරදිව හඳුනාගෙන වහාම එම දැව සංස්ථා භාරයට ගැනීමට කටයුතු කරන්න.

~~සහකාර~~ ප්‍රාදේශීය කළමනාකාර, /
 මහනුවර.

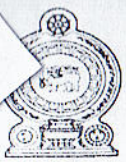
Mr. Sajjara - ඊසා

 M. Cardinali
 21/10/2020

පිටපත්:

- 01. ප්‍රාදේශීය ලේකම්, ලග්ගල පල්ලේගම. - දැ.ගැ.පි.
- 02. ව්‍යාපෘති අධ්‍යක්ෂක, මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන ඉහළ ඇළහැර ව්‍යාපෘතිය ලග්ගල. - දැ.ගැ.පි.
- 03. නියෝජ්‍ය ප්‍රාදේශීය කළමනාකාර, මාතලේ. - දැ.ගැ.පි.
- 04. ග්‍රාම නිලධාරී, පොත්තටුවෙල. - ගස් නිවැරදිව හඳුනා ගැනීම සඳහා රාජ්‍ය දැව සංස්ථා නිලධාරීන්ට අවශ්‍ය සහයෝගය ලබා දීම පිණිස දැ.ගැ.පි.
- 05. ස.ප්‍රා.ක - කළුගඟ. මගින් වැඩබිම් නිලධාරී - ලිපිය ලද වහාම දැව පරික්ෂණ වාර්තාව පිළියෙල කර දින 03 ක් තුළ හෝ ඊට අඩු කාල සීමාවක් තුළ මා වෙත ඉදිරිපත් කිරීමට හැකි වන පරිදි ස.ප්‍රා.ක වෙත ලබා දීමට හා දැ.ගැ.පි.

/නෙ.



ප්‍රාදේශීය මහ ලේකම් කාර්යාලය - ලත්ගල
 பிரதேச செயலகம் - லக்கல
 DIVISIONAL SECRETARIAT - LAGGALA

දුරකථන/දුරකථන අංකය / Telephone
 කාර්යාලය } 066-2275200
 அலுவலகம் } Office
 ප්‍රාදේශීය ලේකම් } 066-2275038
 பிரதேச செயலாளர் } Divisional Secretary
 ෆැක්ස් } 066-2275039
 ලැයිස් } Fax

වෙබ් අඩවිය } www.ds.gov.lk/ds/laggala-pallegama
 இணைய இலம் } Web Site

විද්‍යුත් තැපෑල } maha@laggala.gov.lk
 மின்னஞ்சல் } e-mail

මගේ අංකය } 11/3/2/1/1
 எனது இலம் } My No.

ඔබේ අංකය }
 உமது இலம் } Your No.

දිනය } 2020.10. 2
 தேதி } Date



ලොකුබණ්ඩා බස්නායක මයා,
 ගහල - පුවක්පිටිය,
 මාතලේ.

DPA
MA

ඉඩක්කඩුර - පොත්තටුවෙල මාර්ගය අලුත්වැඩියා කිරීම හේතුවෙන් ඉවත් වීමට නියමිත කොස් ගස හෙලීම සඳහා අවසරය ලබා දීම හා සම්බන්ධවයි.

මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන යටතේ අළුත්වැඩියා කිරීමට නියමිත යෝජිත ඉහත මාර්ගය පළල් කිරීමේ අවශ්‍යතාවය හේතුවෙන් ඉවත් කිරීමට නියමිත විකුණුම්කර 33059 දරන ඉඩමට අයත් ගස් හෙලීම සඳහා ඔබ විසින් මා වෙත යොමු කරන ලද 2020.08.27 දිනැති ඉල්ලීම් ලිපිය හා බැඳේ.

02. ඒ අනුව අදාළ සංවර්ධන ව්‍යාපෘතිය හේතුවෙන් ඉවත් කිරීමට නියමිත වට ප්‍රමාණය මීටර 4500 ක් පමණ වන විකුණුම්කර 33059 දරන ඉඩමෙහි පිහිටි කොස් ගස පමණක් හෙලීම සඳහා මාගේ අවසරය ලබා දෙමි.

03. ඔබ විසින් හෙලීම සඳහා ඉල්ලීම් කරන ලද බුළු ගස මාර්ග රක්ෂිතයේ පිහිටා ඇති බැවින්, එම ගස හෙලීමට අවසර ලබා දිය නොහැකි බව ද කාරුණිකව දන්වා සිටිමි.

Mr. Jayasinghe - Ho
F.n.a.M
ho
2/10/2020

ප්‍රාදේශීය ලෙකම්,
 ලත්ගල.

පිටපත -

- 01. ව්‍යාපෘති අධ්‍යක්ෂක, මහවැලි ජල සුරක්ෂිතතා ආයෝජන වැඩසටහන, ඉහළ ඇළහැර ඇළ ව්‍යාපෘතිය. - කා.දැ.පි.
- 02. ඉම නිලධාරී, ඉම නිලධාරී කාර්යාලය, පුවක්පිටිය. - කා.දැ.පි.

එස්. විජයකුමාර්
ප්‍රාදේශීය ලේකම්
ලත්ගල.

අනුකාර ප්‍රාදේශීය ලේකම්
 உதவி பிரதேச செயலாளர்
 ASST. Divisional Secretary
 066-2275039

ගණකාධිකාරී
 உதவி கணினி இயக்குநர்
 Accountant
 066-2275088

අනුකාර අධ්‍යක්ෂ (ඉම යම්පොදු)
 உதவி இயக்குநர் (ICB)
 ASST. Director (Planning)
 066-2053918

මුලස්ථාන සමාජීය සලමාකාර
 தலைநகர் சமுதாய இயக்குநர்
 Head Quarter Samudhi Manager
 066-2275014

Annex 2: List of Trees (110 Numbers) identified in 2021 for felling under Section “d” rehabilitation



මගේ අංකය :- LAG/OTHER/4
 අඩවි වන කාර්යාලය,
 ලග්ගල.
 2021.04. 23

දිසා වන නිලධාරී,
 දිසා වන කාර්යාලය,
 මාතලේ.

ඉලක්කුඹුර - පොත්තටවෙල මාර්ගය සංවර්ධනය කිරීම.

උක්ත කරුණ යටතේ ඔබ විසින් මා වෙත යොමු කර ඇති ඔබගේ අංක M10/5/4/3/MWSIP/KMTC සහ 2021.03.25 දින දරණ ලිපිය හා ඔබ හා මටද පිටපත් සහිතව ලග්ගල ප්‍රාදේශීය ලේකම් අමතන ලද KMTCP & MLBCRP ව්‍යාපෘතියේ ව්‍යාපෘති අධ්‍යක්ෂකගේ අංක UEC/PP/KMTC/Misc/2021/032 සහ 2021.03.18 දින දරණ ලිපිය හා සබැඳේ.

2. එම ලිපි වලට අනුව මාගේ උපදෙස් පරිදි ඉළක්කුඹුර (වැ.බ.) බිට්ටු වන නිලධාරී H.M.U.T.R.P.ගේරත් මහතා විසින් උක්ත ව්‍යාපෘතියේ ජේ.පරිසර නිලධාරී S.S.කොස්ගොල්ල මහතා සමග ඉල්ලීමට අදාල ගස් පරීක්ෂා කර මා වෙත වාර්තා කර ඇත. ඒ අනුව ඉවත් කිරීමට යෝජිත ගස් පිළිබඳ නිරීක්ෂණ පහත පරිදි වේ.

I. ගස් සලකුණු කිරීමේදී සහ මිනුම් කිරීමේදී සම්මත ක්‍රමය අනුගමනය කර නොමැති බැවින් පසු මට්ටමට පහළින් බෙදීමට ළක්වූ ගස් එකක් ලෙස සලකුණු කර ඇත. එබැවින් සලකුණු නොවී මහභරුණු ගස් සලකුණු කර අංක කිරීමක් සිදු කර ඇත.

II. හෙලීමට යෝජිත ගස් ලැයිස්තුව.

| ගස් අංකය | වර්ගය | පසු මට්ටමේ වට (cm) | දළ උස (m) | GPS පාඨාංකය | | වෙනත් |
|----------|--------------|--------------------|-----------|-------------|--------|--------------------------------|
| | | | | E | N | |
| 1 | හුරි මාර | 125 | 04 | 199650 | 260976 | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 2 | හුරි මාර | 130 | 10 | 199675 | 261078 | දම්මන්තොටරොද රක්ෂිතයට අයත් වේ. |
| 3 | ලුණු මීදෙල්ල | 130 | 15 | 199703 | 261140 | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 4 | බුළු | 310 | 12 | 199686 | 261140 | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 5 | හුරි මාර | 120 | 05 | 199554 | 261221 | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 6 | හුරි මාර | 210 | 12 | 199553 | 261234 | පුද්ගලික ඉඩමක පිහිටා ඇත. |

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|----|-------------|-----|----|--------|--------|--|
| 7 | කටකලෝ | 115 | 08 | 199538 | 261298 | පුද්ගලික ඉඩමක පිහිටා ඇත. පුද්ගලික ඉඩමක පිහිටා ඇත. නකල්ස් සංරක්ෂිතය තුළ/ මායිමේ පිහිටා ඇත. |
| 8 | කැන්ද | 80 | 08 | 199480 | 261244 | |
| 9 | බත් මාර | 80 | 20 | 199478 | 261276 | |
| 10 | කටකලෝ | 90 | 12 | 199501 | 261301 | |
| 11 | බදුල්ල | 70 | 07 | 199504 | 261306 | |
| 12 | මී | 60 | 04 | 199512 | 261317 | |
| 13 | හුරි මාර | 120 | 15 | 199512 | 261317 | |
| 14 | බත් මාර | 210 | 12 | 199515 | 261323 | |
| 15 | දඹුණු | 75 | 08 | 199523 | 261322 | |
| 16 | පිහිඹියා | 85 | 08 | 199504 | 261332 | |
| 17 | මීල්ල | 250 | 12 | 199499 | 261321 | |
| 18 | මොර | 75 | 08 | 199485 | 261303 | |
| 19 | බදුල්ල | 60 | 08 | 199472 | 261305 | |
| 20 | බුරුන්ද | 70 | 12 | 199470 | 261301 | |
| 21 | කැන්ද | 80 | 10 | 199472 | 261299 | |
| 22 | නිකදවුල | 90 | 12 | 199466 | 261300 | |
| 23 | රත්කරවු | 80 | 08 | 199459 | 261295 | |
| 24 | බුරුන්ද | 78 | 12 | 199453 | 261290 | |
| 25 | වෙලන් | 45 | 08 | 199451 | 261289 | |
| 26 | කුඩු දවුල | 60 | 08 | 199448 | 261287 | |
| 27 | වෙලන් | 65 | 08 | 199447 | 261280 | |
| 28 | නිකදවුල | 60 | 08 | 199444 | 261280 | |
| 29 | කටකලෝ | 85 | 10 | 199439 | 261274 | |
| 30 | නිකදවුල | 70 | 09 | 199436 | 261269 | |
| 31 | නිකදවුල | 70 | 07 | 199435 | 261261 | |
| 32 | කැන්ද | 100 | 09 | 199435 | 261261 | |
| 33 | කුඩු නෙලුබෑ | 70 | 05 | 199418 | 261239 | |
| 34 | බත් මාර | 205 | 20 | 199381 | 261187 | |
| 35 | මීල්ල | 60 | 10 | 199373 | 261184 | |
| 36 | මී | 70 | 10 | 199373 | 261184 | |
| 37 | පිහිඹියා | 195 | 11 | 199373 | 261128 | |
| 38 | මීල්ල | 220 | 15 | 199372 | 261128 | |
| 39 | මකුල් | 95 | 05 | 199372 | 261128 | |

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|----|-----------|-----|----|--------|--------|--|--------------------------------|
| 40 | හුරි මාර | 95 | 08 | 199293 | 261255 | | |
| 41 | කටකලෝ | 90 | 08 | 199290 | 261274 | | |
| 42 | ගම්මාලු | 100 | 05 | 199287 | 261278 | | |
| 43 | වෙලන් | 55 | 12 | 199275 | 261727 | | |
| 44 | භී | 60 | 10 | 199302 | 261789 | | |
| 45 | නිකදවුල | 70 | 10 | 199302 | 261789 | | |
| 46 | අට්ටික්කා | 80 | 05 | 199323 | 261941 | | |
| 47 | මුලු | 70 | 07 | 199304 | 262033 | | |
| 48 | කැටකැල | 45 | 05 | 199297 | 261129 | | |
| 49 | කටකලෝ | 80 | 12 | 199300 | 261134 | | |
| 50 | මිල්ල | 230 | 11 | 199294 | 261148 | | |
| 51 | දවුහු | 70 | 07 | 198651 | 262319 | | |
| 52 | ඉහිනි | 80 | 06 | 198290 | 263029 | | |
| 53 | හුරි මාර | 300 | 15 | 197850 | 263491 | | |
| 54 | මිල්ල | 75 | 10 | 197497 | 263481 | | දම්මන්තොටරොද රක්ෂිතයට අයත් වේ. |
| 55 | වෙලන් | 120 | 09 | 197136 | 263548 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 56 | වෙලන් | 70 | 10 | 197027 | 263692 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 57 | නිකදවුල | 100 | 08 | 197023 | 263696 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 58 | නිකදවුල | 130 | 12 | 198010 | 263711 | | දම්මන්තොටරොද රක්ෂිතයට අයත් වේ. |
| 59 | මුලු | 330 | 09 | 197183 | 264653 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 60 | ඇටඹ | 110 | 12 | 197409 | 264717 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 61 | මුලු | 220 | 08 | 197504 | 264737 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 62 | හුරි මාර | 90 | 13 | 197559 | 264751 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 63 | හුරි මාර | 90 | 12 | 197649 | 264813 | | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 64 | දුහුමඩල | 115 | 10 | 197889 | 265006 | | ඇලගමුව රක්ෂිතයට අයත් වේ. |
| 65 | මුරුත | 60 | 07 | 197885 | 265008 | | |
| 66 | හුරි මාර | 90 | 10 | 197898 | 265019 | | |
| 67 | හුරි මාර | 60 | 15 | 197919 | 265007 | | |
| 68 | තෙලඹු | 90 | 10 | 197967 | 265023 | | |
| 69 | කටකලෝ | 60 | 12 | 197993 | 265028 | | |
| 70 | කටකලෝ | 110 | 08 | 198122 | 265104 | | |

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|-----|------------|-----|----|--------|--------|--------------------------------|
| 71 | කෝන් | 80 | 08 | 198174 | 265142 | |
| 72 | හුරි මාර | 80 | 07 | 198170 | 265120 | |
| 73 | කුඩුනෙලුබෑ | 70 | 08 | 198192 | 265122 | |
| 74 | දුනුමඩල | 45 | 07 | 198207 | 265124 | |
| 75 | වෙලන් | 75 | 09 | 198217 | 265129 | |
| 76 | ඇටඹ | 85 | 08 | 198217 | 265129 | |
| 77 | ඇටඹ | 70 | 08 | 198225 | 265135 | |
| 78 | දඹුනු | 80 | 07 | 198233 | 265137 | |
| 79 | ඇහැටු | 180 | 12 | 198246 | 265143 | |
| 80 | අලාදු | 230 | 15 | 198258 | 265157 | |
| 81 | හුරි මාර | 90 | 10 | 198375 | 265185 | |
| 82 | කොලොන් | 190 | 15 | 198443 | 265235 | |
| 83 | මොර | 95 | 12 | 198458 | 265240 | |
| 84 | මුලු | 90 | 06 | 198458 | 265240 | |
| 85 | මොර | 70 | 05 | 198492 | 265257 | |
| 86 | කටකලෝ | 80 | 09 | 198536 | 265294 | |
| 87 | කැන්ද | 110 | 12 | 198599 | 265321 | |
| 88 | මීරිය | 180 | 12 | 198606 | 265322 | |
| 89 | මොර | 70 | 04 | 198619 | 265333 | |
| 90 | කෝන් | 220 | 15 | 198619 | 265333 | |
| 91 | පෙන්න | 70 | 05 | 198631 | 265328 | |
| 92 | කැන්ද | 95 | 10 | 198639 | 265325 | |
| 93 | පෙන්න | 60 | 04 | 198638 | 265331 | |
| 94 | මදිවිය | 70 | 06 | 198638 | 265331 | |
| 95 | කැන්ද | 110 | 20 | 198652 | 265322 | |
| 96 | මදිවිය | 45 | 05 | 198652 | 265222 | දම්මන්තොටරොද රක්ෂිතයට අයත් වේ. |
| 97 | අලාදු | 95 | 07 | 198679 | 265389 | ඇලගමුව රක්ෂිතයට අයත් වේ. |
| 98 | පෙන්න | 90 | 05 | 198680 | 265395 | |
| 99 | හල්මිල්ල | 95 | 15 | 198694 | 265512 | |
| 100 | මකුල් | 150 | 15 | 198698 | 265589 | |
| 101 | කොස් | 100 | 08 | 198661 | 265700 | |
| 102 | මිල්ල | 120 | 10 | 198597 | 265738 | |

| | | | | | | |
|-----|---------|-----|----|--------|--------|--|
| 103 | අලාදු | 110 | 09 | 198597 | 265738 | |
| 104 | මී | 50 | 05 | 199512 | 261317 | නකල්ස් සංරක්ෂිතය තුළ/ මායිමේ පිහිටා ඇත. |
| 105 | නිකදවුල | 80 | 13 | 199512 | 261317 | |
| 106 | ඉහිනි | 80 | 06 | 198290 | 263209 | |
| 107 | වෙලන් | 80 | 08 | 197136 | 263548 | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 108 | ඇටඹ | 65 | 08 | 198225 | 265135 | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 109 | වෙලන් | 80 | 10 | 198600 | 265792 | පුද්ගලික ඉඩමක පිහිටා ඇත. |
| 110 | මොර | 220 | 11 | 198612 | 265798 | පුද්ගලික ඉඩමක පිහිටා ඇත. |

3. ඒ අනුව ඉහත සඳහන් කළ ගස් ලැයිස්තුවට අදාළ ගස් වලින් පුද්ගලික ඉඩම් වල පිහිටා ඇති බව නිරීක්ෂනය වූ ගස් පමණක් හෙලිමට නිර්දේශ කරන අතර, දම්මන්තොට රක්ෂිතයට, ඇලගමුව රක්ෂිතයට සහ නකල්ස් සංරක්ෂිතයට අයත් භූමිය තුළ පිහිටි ගස් හෙලිම සඳහා සුදුසු පරිසර ඇගයීමක් සිදු කිරීමෙන් පසුව අවසර ලබාදීම සුදුසු බවට යෝජනා කර කාරුණිකව වාර්තා කරමි.

P.G.S. TISSERA
RANGE FOREST OFFICER
LAGGALA
පිටපත,
චාපානි අධ්‍යක්ෂක,
KMTCP & MLBCRP චාපානිය - කා.දැ.පි.

පි.ජී.එස්.තිසේරා,
අඩවි වන නිලධාරී,
ලත්ගල.

Annex 3: Meeting Minutes related to UECP-ICB-1with DWC

| | |
|--|--|
| <p>MAHAWELI WATER SECURITY AND INVESTMENT PROGRAM (MWSIP)</p> <p>CONTRACT PACKAGE NO: MMDE/MWSIP/ADB/ UEC/ICB-1/3267-3268-SRI/ICB/2016/002</p> <p>CONTRACT NO: CONSTRUCTION OF UPPER ELEHERA CANAL (ICB - 1)</p> <p>FROM 0+100 Km TO 06+226 Km</p> | |
| <p>Special meeting with the Additional Director (AD) Polonnaruwa, Department of Wildlife Conservation on "Site maintenance_ UEC-ICB 1"</p> | |
| <p>Date & Time: 17th March 2021 at 9.30 am</p> <p>Venue : RE's office, UECP, Elahera</p> | |

Attendance:

| No. | Name | Organization | Designation | E-mail Address |
|-----|-----------------------|----------------|-------------------|--|
| 1. | H.M. Senevirathne | PIU-UECP | CE | senevirathnehm@gmail.com |
| 2. | C.H.T. Gamage | PMDSC-UECP | RE | chtgamage@gmail.com |
| 3. | Dr Anusha Kesige | PMDSC-UECP | ES | anushakasige@yahoo.com |
| 4. | W M K S Chandrarathne | DWC | Addl Director | keerthi_chandrarathne@yahoo.co.in |
| 5. | C Bandaranayake | Wild life Dep: | Wild life officer | |
| 6. | M M T U Dilshan | Wild life Dep: | Wild life officer | tarahaumayanga@yahoo.com |
| 7. | P B Ramanayake | PMDSC-UECP | CE | Pb_ramanayake@yahoo.com |
| 8. | R M Premawardhana | PMDSC-UECP | EMS | rmpremawardhana@yahoo.com |
| 9. | Dulinda Polgaspitiya | PMDSC-UECP | QS | dulindanb@gmail.com |
| 10. | Danusha Madumali | PMDSC-UECP | OM | dinumadumaliakd@gmail.com |

Meeting and joint site visit with the Additional Director (AD) Polonnaruwa, Department of Wildlife Conservation (DWC) held on 17 March 2021 from 09.30 a.m. to 2.30 p.m.

| No. | Topic | Action by | By date |
|-----|--|-----------|---------|
| 1 | <p>Overview</p> <p>a. <u>Additional Director (AD) for Polonnaruwa division</u> – Department of Wildlife Conservation (DWC) and Ranger – Elahera with his Technical Officer attended the site visit and discussion.</p> <p>b. PD-PIU mentioned that discussion after the site visit will be effective, as the work to be done will be clear to DWC once observe the present status of the site.</p> <p>c. Site visit observations and decisions are mentioned under the sections # 2 and # 3 below.</p> <p>d. PD-PIU and RE – UEC-ICB 1 explained that the main objective of calling for this meeting was to understand the stand of DWC of their involvement to engage with site security and maintain the UEC-ICB 1 site from Moragahakanda spill to Kongketiya tank during the period from CML terminated the site until the commencement of NCPCP 3 contract which will take nearly 1 year or more.</p> <p>e. RE explained that there is a Request for Quantity of Work (RFQW) is already prepared by PMDSC and submitted to PIU by January 2021, and ES PMDSC mentioned that an Environment Contingency Plan also</p> | | |

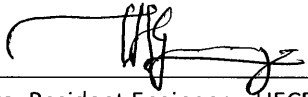
| No. | Topic | Action by | By date |
|-----|---|--|---|
| | <p>prepared addressing the environmental issues and required mitigation measures in short term and long term.</p> <p>f. ES-PMDSC explained that as the project affected area falls within wildlife sensitive area (Elahera-Girithale sanctuary), linked with other wildlife protected areas, and hence DWC is the most suitable agency to implement this RFQW. Further to explain the possible risks with the site isolation, ES explain the background to the site, and the Environment Contingency Plan prepared by PMDSC and shared with PMU in June 2020 (Annex 1).</p> <p>g. AD-DWC agreed that DWC is in a position to implement the work with the approval from Director General (DG) – DWC of Head office, with DG- DWC consent granting permission to implement work as per RFQW and financial control of the agreed BOQ.</p> <p>h. Then RE – UECP-ICB 1 explained the items included in the BOQ of REQW and discussed the items that can be implemented by DWC, and the way forward.</p> | | |
| 2 | <p>Way forward with the RFQW for maintaining UEC-ICB 1 area once CML is terminated</p> <p>(i) With the meeting minutes, RE-UECP-ICB1 to share the (i) draft RFQW and BOQ; (ii) layout maps of the project area indicating the sections complete, incomplete sections, and the present status (whether excavated, halfway completed conduit, back filled areas, stream crossings etc) with exact chainages before 24th March; (iii) relevant maps; (iv) Environment Contingency Plan, with DWC-AD-Polonnaruwa/Matale (Mr. Chandrarathne) through PD-PIU. To expedite the work the finalized minutes, the relevant documents to be shared through e-mail with DWC-AD-Polonnaruwa/ Matale on keerthi.chandrarathne@yahoo.co.in (0714429618)</p> <p>(ii) Detail site survey to be carried out by the DWC team, with the involvement of EMS-PMDSC, RE's relevant staff, and PIU relevant staff on 24th and 25th March 2021 to (i) re-estimate the fencing length, (ii) locations for security huts/ other temp facilities required for security personnel (i.e. toilet) and (iii) other key items to be added to the existing BOQ like length of drainage for maintenance</p> <p>(iii) PD-PIU UECP, RE-UECP-ICB 1 highlighted that the final estimates can be finalized after the contract termination (tentatively by 23 May 2021). ES-PMDSC, Ranger – Elahera of DWC emphasised the fact that the DWC must be ready with required key arrangements (fencing, drainage security huts, recruiting security personnel etc) by the time of termination, as to ensure site / animal security and avoid illegal entry of outsiders into the wildlife protected area which can cause theft, vandalism, poaching, hunting etc.</p> | <p>RE – UECP-ICB 1</p> <p>EMS-PMDSC to coordinate with PIU and DWC</p> | <p>22/03/21</p> <p>24th / 25th March 2021</p> |

| No. | Topic | Action by | By date |
|-----|---|-----------|---------|
| | <p>(iv) Once BoQ and RFQW is finalized with DWC, meeting to be arranged with DG-DWC, Battaramulla Head office, with the participation of AD-Polonnaruwa, and relevant parties through PMU to finalize the work and award the RFQW to DWC AD-Polonnaruwa/Matale with the approval of DG-DWC allowing full authority of implementing, financial transactions of the RFQW</p> <p>(v) The items like (i) storm water drainage maintenance, (ii) site cleaning, (iii) dewatering, (iv) maintaining existing planting areas, weeding etc will be managed by DWC with the involvement of CBO members in the area</p> <p>(vi) DWC mentioned that they can obtain the services from the skilled Task force managed under National Apprentice and Industrial Training Authority (NAITA)</p> <p>(vii) Grassland establishment and management to be attended under a separate project (may be through the Wildlife Management Plan (WMP) implementation)</p> <p>(viii) Under Invasive species removal Plan implemented by the PMU/PIU as a component of WMP, it was emphasized to remove Katu una (<i>Bambusa bambos</i>), Jam (<i>Muntingia calabura</i>) which is being spreading rapidly in the UEC-ICB 1 project area, and surrounding habitats</p> <p>(ix) Site security by DWC shall be only to protect the wildlife areas, and animals, but not to secure any equipment, machineries. DWC highlighted that fact that the DWC not in a position to take the responsibility to secure machineries/equipment related to the construction</p> <p>(x) RE-UECP-ICB 1 mentioned that Contingencies to be increased up to about 30% as given 10 % is not sufficient</p> <p>(xi) Joint monitoring to be arranged with the involvement of PIU/PMU once the CML contract is terminated</p> <p>(xii) Other Requirements emphasized at the meeting to be included in the BOQ:</p> <ol style="list-style-type: none"> a) Establishment of security points (02 numbers) with the required temporary facilities such as electricity, water, toilet, furniture, communication / mobile phone etc). It was suggested to use modified container boxes as security huts b) Resource person (Clerical staff person) with a computer/ laptop to be provided to the AD-office DWC to manage documentation, communication etc. c) Allowance to be given to the DWC office staff (both Elahera range office and AD-Polonnaruwa/ Matale office) for site monitoring | | |

| No. | Topic | Action by | By date |
|-----|--|-----------|---------|
| 3 | <p>Site visit observations</p> <p>a. Site visit made to the officers from the DWC to understand the present site conditions in UEC-ICB 1 area, and the work that needs to be attended during the period from the UEC-ICB 1 contract is terminated, and the new NCPCP 3 contract packages is awarded.</p> <p>b. DWC emphasized following observations during the site visit resulted due to isolation of the construction site:</p> <ul style="list-style-type: none"> (i) malfunctioning of the existing elephant fence and broken safety net for small animals; (ii) insufficient safety barricading (iii) indirect observations for frequent animal movements within the construction site, and risk of falling animals in to the incomplete canal sections (iv) disturbed stream flows, and water stagnation disturbing natural environment flow path, fish migration etc. (v) Spreading of invasive species (vi) Insufficient site security to the wildlife protected area, with easy access through the construction area (vii) Poor housekeeping, unmanaged stockpiles (viii) Unsafe drainage | | |
| 4 | <p>Decisions made during site joint visit by DWC officers</p> <ul style="list-style-type: none"> (i) The existing elephant fence by the CML is not prepared up to the standard, with the acceptable voltage (9.5 to 12 KW) to function effectively. Also, the gauge of the wire in the existing fence is not adequate which should have minimum of 2.5 mm gauge. Hence, the fence needs to re-establish as a new fence, but some of the items (Bullnose, insulator, some energizers etc) can be used. But the best quality energizer is JVA brand, but what is used by CML not in good quality. (ii) Since, there is no adequate buffer kept and maintained along the existing fence, vegetation disturbed the function of the fence. Hence, it is suggested by the DWC to realign the electric fence closer to the excavated sections on the O&M road. (iii) Existing drain by the side of the existing canal diverting storm water, to be maintained and use as a natural barrier to the fence. Hence, maintenance to the side drain to be included as a new item to the BoQ. (iv) The fence shall be established only covering the open areas and incomplete canal sections, where there is a high risk of falling animals. (v) The fence shall be redesigned as a double fence, combining electric fence and the small net fence using a galvanized mesh, so | | |

| No. | Topic | Action by | By date |
|-----|---|-----------|---------|
| | <p>that both fences have electric pulses to keep away both large and small animals from the excavated areas</p> <p>(vi) DWC officers recommended to restore the backfilled areas as grasslands favourable for the elephants, as the UEC-ICB 1 canal is located in the elephant pathway. Hence, tree planting will not be continued on the backfilled areas. However, DWC proposed to have a thick layer of topsoil (about 1 m) to facilitate natural growth, prior to plant the grass sods.</p> <p>(vii) DWC complained about the disposal areas spread around the wildlife areas, which has been resulted due to Moragahakanda project, as well as MWSIP. DWC proposed to remove all the unwanted stockpiles to the permanent disposal sites already approved by DWC for UEC-ICB-1, which are abandoned queries resulted by the Moragahakanda project.</p> | | |

Confirmed By: _____



Eng. C.H.T. Gamage, Resident Engineer – UECP ICB 01

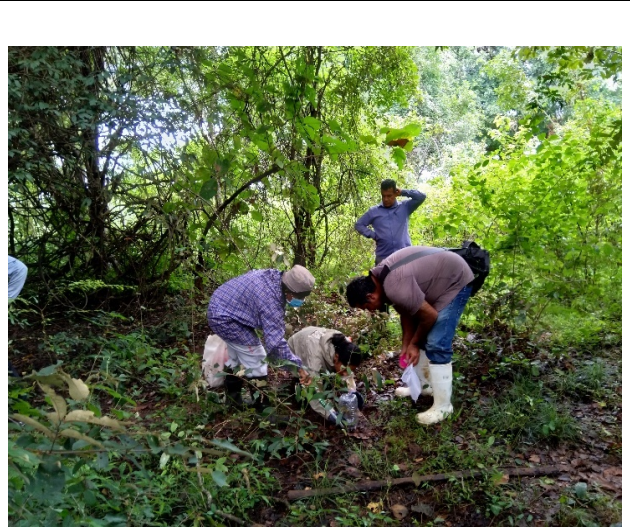
Encls : Annexure 01 - Env contingency plan

Annexure 02- RFQW and BOQ

Annexure 03- updated site plans indicating completed, and incomplete sections with chainage, including stream diversions/ drainages etc

Annexure 04 - Maps of the area

Annex 4: Photographic evidence and Species List on Critical Species Translocation UECP-ICB-2A (Palugaswewa)



Annex 5: Actions Taken on Soil Erosion Incident in Palugaswewa – UECP-ICB-2A

PROGRAM MANAGEMENT, DESIGN AND SUPERVISION CONSULTANT

Joint Venture Tractebel Engineering GmbH – Geoconsult ZT GmbH
c/o Tractebel Engineering GmbH, No. 493, T.B. Jayah Mawatha Colombo 10, Sri Lanka

MAHAWELI WATER SECURITY INVESTMENT PROGRAM

Eng. D.B. Wijyaratne
Program Director
Program Management Unit
Mahaweli Water Security Investment Program
Ministry of Mahaweli Development and Environment
493 1/1, T B Jayah Mawatha, Colombo 10

Our ref.: 27.4_L04664

Date: 26 April 2021

Subject: Contract Package UECF-ICB-2A

Subject: Grievances – soil erosion causing damage to the farmlands and village tank at the northern Start Shaft area

Your Ref:

(1) E-mail from Environment Specialist "Subject: Grievances of soil erosion to the farmlands and village tank-Northern Portal-ICB-2A" (24.04.2021 at 12.05 a.m.)

Dear Mr. Wijyaratne,

Reference is made to the Environment Specialist's email cited above in relation to soil erosion and damage to paddy lands and a village tank adjacent to the northern start shaft area recently cleared by the Contractor. This letter aims to inform you about these incidents and the corrective measures taken by the Engineer.

A chronology of events is shown below.

| | | |
|-----|------------|---|
| (1) | 24.02.2021 | Joint inspection of Site boundaries & demarcation of the northern start shaft area, resulting in an instructing to CSCEC to submit a method statement (MS) prior to site clearing adhering to EMP guidelines |
| (2) | 01.03.2021 | Inspection by Engineer/Contractor, and communicating discussion points (Ref. PMDSC-CRE-UEC/ICB-2A/ CSCEC/005 dated 08 March 2021) highlighting again the requirement to submit MS prior to site clearing, keeping adequate buffer to the irrigation tanks and streams adjacent to the northern start shaft area prior to site clearing |
| (3) | 18.03.2021 | Training for the environment officer was given and repeated the requirement to prepare MS, and attend to required mitigations prior to site establishment |
| (4) | 25.03.2021 | CSCEC was reminded again to submit the MS and to keep a buffer to the associated water bodies, and to avoid exceeding site boundaries in of the northern start shaft area |
| (5) | 01.04.2021 | During a joint visit to plan preparation for ADB / Secretary visit, it was noted that CSCEC had cleared the site without keeping the instructed required buffer to the tank, and he was again advised to attend to the required erosion control measures |
| (6) | 07.04.2021 | e-mail communication reminding Contractor of Due Submissions- Site Drainage Networks in Northern start shaft area |
| (7) | 09.04.2021 | Letter issued to CSCEC reminding them again to submit MS and take required preventive measures preventing soil erosion, as well as reminding them of their contractual obligations to attend to the required compensations to the affected parties (Ref. PMDSC-CRE-UEC/ICB-2A/ CSCEC/0029 dated 09 April 2021) E-mail communication to CSCEC to attend to required mitigations before closing the sites for the New Year holiday, under the supervision of EMS-PMDSC on 09.04.2021 |
| (8) | 10.04.2021 | Letter issued to CSCEC with a pictorial update describing insufficient corrective measures taken to prevent soil erosion to the irrigation tank and farmlands alarming |

| | |
|--|--|
| | the possible risks (Ref. PMDSC-CRE-UEC/ICB-2A/ CSCEC/0031 dated as 10 April 2021 |
|--|--|

Following the repeated reminders and follow-up by the Engineer as described in the table above, CSCEC has finally submitted their draft proposal to manage the situation on 22 April 2021. This is attached as **Annex 1**. To date CSCEC's response to required corrective actions was not satisfactory (Refer to **Annex 2** for the present progress), and hence a special environment meeting was called on 26 April 2021 to emphasize the risks of not following required guidelines, and of not complying with the Contract as it is related to Environment safeguard management. **Annex 3** comprises minutes of the meeting.

We will further update you in this regard with the Contractor's progress of attending to the required mitigation measures. The Engineer will continue to follow up and to provide necessary guidance to the CSCEC with close supervision. The Contractor has also been reminded of his obligation to establish a Grievance Log, where members of the public may lodge their grievances, mitigation of which must then be coordinated with the Engineer and the Employer.

Yours sincerely
Program Management, Design and Supervision Consultant



Michael Chegwin
Team Leader

also for

P.W.C. Dayaratne
Deputy Team Leader

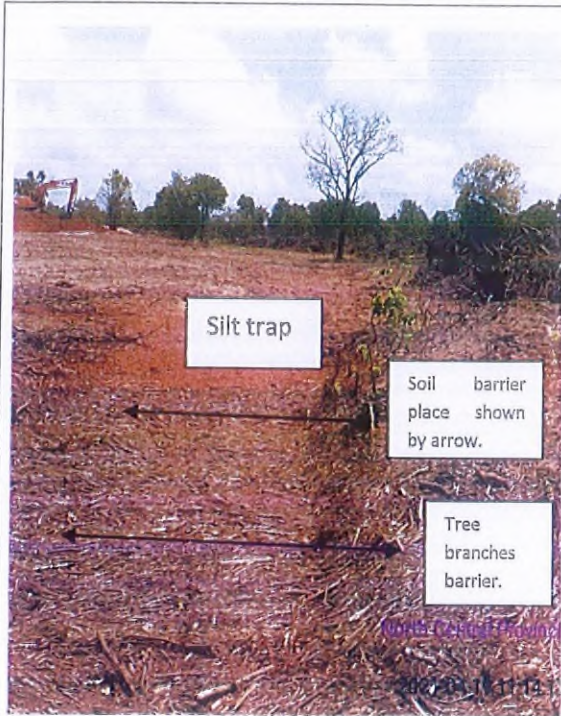
| | |
|---------------------------------------|---------------|
| MWSIP - PMDSC | |
| 493, T. B. Jayah Mawatha, Colombo 10. | |
| Registered Outgoing by : | Ln |
| Team Leader | MDC |
| Sent Date: | 26 APR 2021 |
| Copies to: | EVH, Roe, APK |
| | SK |
| | / |

Sucharitha

Temporary Preventive Measures for Soil Erosion at Northern Shaft and Contractor Main Camp Site.

1. There are two critical places identified where temporary soil erosion measures should be applied.
 - I. Natural water way (occasional) across the site beside the land filling area for proposed segment yard.
 - II. Catchment area of Meegaswewa Lake along Southern boundary area of contractor main camp.
2. Proposed temporary preventive measures for above two places.
 - I. Natural water way (occasional) across the site beside the land filling area for proposed segment yard.
 - a. Loose soil heap beyond the cut slope of the filling will be removed from the place.
 - b. At the water flowing path, Cut the 5m x 5m x 5m silt trap and trap the eroded soil in the trap.
 - c. Downstream of the silt trap make a soil barrier across the water flowing path.
 - d. At banks of stream, near to the culvert mouth, make a barrier using dried tree branches across the water path to catch the silt.
 - II. Catchment area of Meegaswewa Lake along southern boundary area of Contractor main camp.
 - a. Construct temporary soil bund covered by tarpaulin with height of 1m with nearly 30m length along the area where water is entering the catchment of the lake.
 - b. Existing soil near the catchment area will be taken back by 5m and covered by temporary tarpaulin coverings.

Photographs taken from Soil Erosion area at Northern Shaft area and Main camp area.



Northern Shaft area water path beside the filling area.

Culvert for the water path.

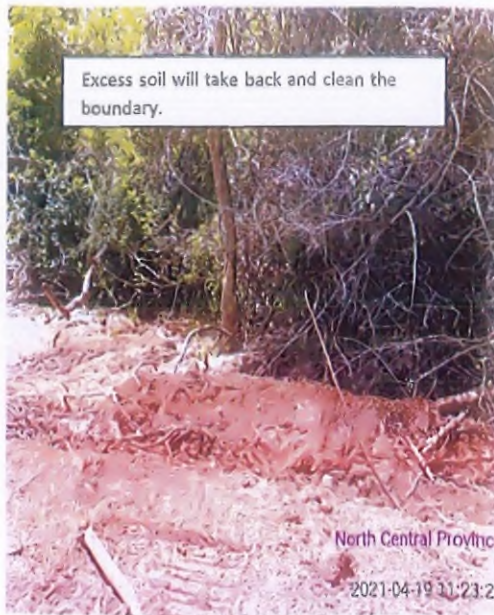


Water path.



Proposed soil barrier covered by tarpaulin along the boundary

North Central Province
2021-04-19 11:23:4



Excess soil will take back and clean the boundary.

North Central Province
2021-04-19 11:23:21

Contractor main camp southern boundary
Soil erosion area.

Contractor main camp southern boundary
Soil erosion area.



North Central Province
2021-04-19 11:23:21



North Central Province
2021-04-19 11:23:21

Contractor main camp southern boundary
Soil erosion area.

Drain cut at the southern boundary. This will be closed.

Annex 2: Current Progress

| Date | Progress |
|---|---|
| <p data-bbox="213 342 363 405">Up to 20-04-2021</p> | <p data-bbox="426 342 1315 443">The Contractor neglected to take any erosion protection measures before the site closer period from 11 April 2021 despite repeated verbal and written instructions given to him.</p> <p data-bbox="426 448 1315 719">On 19 April 2021, the Contractor started earthmoving work without having any erosion protection measures. It was observed that, due to torrential rains during site closure period, sediment washed to the tank and by the time of site opening all sediments were settled in the tank bed. The villagers of the area noted that the color of the water in whole tank changed after the rain events due to sediment flow. No major destruction was observed in paddy field area since sediment was washed away to the tank across the paddy fields due to torrential rains.</p> <p data-bbox="426 723 1315 824">A joint inspection was conducted with the participation of PIU, PMDSC, CSCEC and representatives of Farmer Organization of Maha Meegaswewa. During the Joint Inspection, the Contractor agreed to attend to the following:</p> <ol data-bbox="475 828 1289 958" style="list-style-type: none"> <li data-bbox="475 828 1289 891">1. Make temporary arrangements immediately to avoid further soil erosions of the area. <li data-bbox="475 896 1289 958">2. Take permanent actions to protect the area following submission of proposals for permanent measures for the Engineer's approval. <div data-bbox="416 972 1289 1626"> </div> |
| <p data-bbox="213 1648 347 1711">21-04-2021 onwards</p> | <p data-bbox="426 1648 1315 1816">No acceptable temporary preventive measures were implemented except for preparing an uncovered soil bund as a "silt trap" u/s of the second culvert. One covered soil bund has been prepared just above the tank, leaving a critical area open. Heavy rain during the night of 21 April 2021 caused considerable damage to paddy lands and the tank.</p> |



ENVIRONMENTAL MEETING

SOIL EROSION AT MAIN CAMP SITE

Contract Package: UECP-ICB-2A

Contract Number: MMDE/MWSIP/ADB/UECP/ICB-2A/P47381-005-SRI/ICB/2017/006

Meeting Date: Monday, 26th April 2021

Meeting Time: 10.00 AM

Venue: PMDSC CRE's Office, Dambulla

Meeting Title: Special Meeting to Discuss Environmental Issues in the Northern Shaft area, Mahameegaswewa

Chairperson of the Meeting: Resident Engineer

Agenda

| Description | Time Allocated | Actual Time Taken | Presenter |
|--|----------------|-------------------|--------------|
| 1. Brief Description of the current situation at the site and ongoing concerns by the Employer and neighbourhood parties | 5 min | | RE-PMDSC |
| 2. The Contractor's mitigation, arrangements and action taken upto now | 10min | | PM- CSCEC |
| 3. Issues and voids identified in arrangements taken at the site | 10min | | PMDSC |
| 4. Requirements of proper measures and permanent solutions for the matter | 10min | | PMDSC |
| 5. Difficulties observed in arrangements and assistance required from the Engineer if any | 10 min | | CSCEC |
| 6. Regularization of monitoring the progress/continuation to avoid future reoccurrences | 10min | | CSCEC, PMDSC |
| 7. Any other issues or important matters | 5min | | CSCEC, PMDSC |
| Total Allocated Time/Actual Time | 60 min | | |

MINUTES OF MEETING

Date: 10.04.2021, 10:00 – 10:45
Location: CRE Office, Dambulla
Attendees: CSCEC: Mr Liu (DPM), Mr Ding (CM), Mr Janaka (EO)
PMDSC: Mr. Römer (CRE), Mr. Dissanayake (ARE), Dr. Anusha (ES), Mr. Evers (RE)
Minuted by: Mr. Evers

1. STATUS OF TEMPORARY MITIGATION MEASURES

The Contractor informed the meeting that temporary mitigation measures are being installed, in particular along the southern-western border along the tank, comprising a silt trap and sand-bagging.

Refer to the enclosed photographs + sketch.

Other "critical" points with high erosion potential have been identified as the 2 x culverts close to the tank and the paddy field along the southern border.

Temporary measures for these 2 x culverts shall be implemented asap (by today) to prevent further damage to the adjacent land by soil erosion.

All the slopes along the perimeter of the camp area shall also be protected with adequate preventive measures: refer to attached sketch.

2. PERMANENT MITIGATION MEASURES

The Contractor is planning to submit a detailed Method Statement for the site drainage including soil erosion measures by this weekend (01 May 2021).

This document shall contain proper drawings and shall include drainage paths / flow directions, the adjacent tank and paddy field as well as sufficient technical details in accordance with best practice for erosion measures.

Where these details do not exist, the performance of the implemented measures shall be regularly monitored and revised where required (PDCA cycle).

3. FIELD VISIT

A joint site visit is planned by PIU with local officials on 27.04.2021 in the morning, time unknown. This is for information.

At present it is not confirmed whether the CON or ENG is requested to attend.

4. ORGANISATIONAL MATTERS

All parties highlighted that despite the risk and potential consequences of soil erosion having been identified as early as end-FEB 2021, the Site failed to have anti-erosion measures in place in time to prevent / mitigate the events during 12-18 APR 2021 and 21 APR 2021, which led to partial sedimentation of the adjacent tank and paddy field.

In the meantime grievance complaints have been received by the Employer, which may also turn into associated media coverage, and may have serious and direct consequences for the Site and the Project.

All parties agreed to review internally their organisation and correspondence procedures to prevent similar incidents in the future, where potential risks have been identified well in advance but timely implementation is failing.

5. PRIORITIES

The agreed priorities are:

1. Implement temporary mitigation measures to prevent further damage by 26 APR 2021 and update the Engineer on the implemented actions with photographic evidence by 27 APR 2021;
2. Devise & implement permanent mitigation measures based on the Contractor's MS, as expected by 01 MAY 2021, reviewed & approved by the ENG;
3. Strengthening & supporting the Contractor's Environmental team with necessary resources and supports from the Contractor's management;
4. Continuous site monitoring by the CON & ENG for effectiveness and sufficiency of implemented mitigation measures;
5. Identify other potential events, which could result in environment & social grievance of the public, to evaluate jointly possible mitigation measures as well as a joint commitment.

Lia Dem



temporary water drain

Sediment tank
to collect rainwater





Slope
Trimm

Geotextile bags sample
(50m length)
Height: 100cm

| 5MAHAWELI WATER SECURITY INVESTMENT PROGRAM (MWSIP) | |
|--|---|
| CONSTRUCTION OF UPPER ELAHERA CANAL FROM 27+509 km TO 55+600 INCLUDING 27.7 km LONG TUNNELS | |
| CONTRACT PACKAGE: UECP-ICB-2A | |
| NON-COMPLIANCE REPORT (NCR) No. 001 | |
| Contract No.: | MMDE/MWSIP/ADB/UECP/ICB-2A/P47381-005-SRI/ICB/2017/006 |
| Name of Contractor: | China State Construction Engineering Corporation Ltd (CSCEC). |
| Incident and Location: | <ul style="list-style-type: none"> ▪ The Contractor has neglected to attend adequate soil erosion prevention measures at northern portal area. |
| Recorded Date: | 18 th May 2021 |
| Environment Incident Description: | |
| <ol style="list-style-type: none"> 1. Since 24th March 2021, the CSCEC has been instructed both verbally and in writing on multiple occasions to take necessary preventive actions to avoid soil erosion and siltation of paddy fields and the village tank due to expected rains. (PMDSC-SITE-ICB_2A-CSCEC-0016 dated 25-03-2021, PMDSC-SITE-ICB_2A-CSCEC-0029 dated 9-04-2021, PMDSC-SITE-ICB_2A-CSCEC-0031 dated 10-04-2021, Minutes- Weekly Coordination Meeting- WC-003 on 28-04-2021, Minutes- Weekly Coordination Meeting- WC-004 on 12-05-2021) 2. Heavy soil erosion and siltation in the tank / paddy field was reported several times (3 or more times, during site closure period from 11th to 18th April 21st April and 14th May). 3. The Contractor neglected to take adequate and timely actions (either temporary or permanent) to prevent soil erosion and siltation. It seems, the Contractor attempted to pass time with partial preventive measures expecting cessation of rains. 4. Resident farmers have complained twice regarding sedimentation in the nearby irrigation tank (Maha Meegaswewa) and loss of crops in the paddy field area. Relevant authorities inspected the Site, and their recommendations have been given to prevent further erosion alongside our suggestions and advice. 5. The Contractor's failed to submit Method Statement for Earthworks and Method Statement for Prevention of Soil Erosion at the area, in spite of numerous reminders from the Engineer. 6. Contractor's has ignored Engineer's guidance. | |
| Non-compliance status and Impact | |
| <p>An irreversible damage caused to the environment due to negligence of the Contractor and not committing to the job responsibilities of the Contractor's, in particular non-compliance with following:</p> <ol style="list-style-type: none"> (i) Soil Conservation Act No.25 of 1951 and 29 of 1953, 1956 revision and 1996 amendment (ii) Agrarian Services Act, No. 58 of 1979 and its amendments 2000, 2011 (iii) National Environmental (Ambient Water Quality) Regulations, No. 01 of 2019 (iv) Disturbance to the area within 100 meters from the high flood level contour of or within a public lake as defined in the Crown Lands Ordinance (Chapter 454) including those declared under section 71 of the said Ordinance (v) Section 1.17.4.3 and 1.17.4.4 of the Volume-2, Employer's Requirements - Section 6 & Specification, of the Contract agreement for UECP-2A (vi) National Environmental Act No: 47 of 1980 amended by Acts No 56 of 1988 and No 53 of 2000 issued through Conditional approval from CEA (Section 4 of Ref. 08/EIA/Water/04/2012 dated 31.03.2016 and renewed approvals) EIA for UECP (June 2015) and updated EMP for UECP-2A (Dec 2020) <p>Refer to photographic documentation overleaf.</p> | |



Overtopped sand bag barrier and siltation in tank



Siltation close to tank



Silt flow to the paddy field area



Siltation in paddy field area

Corrective Action / Recommendations Proposed:

- Submit the Corrective Action Plan (CAP) indicating method of rectification immediately as per the acceptance by the community, farmland owners, and Agrarian Services Department and relevant affected parties
- Immediately restore the location and produce progress of CAP to RE including all corrective actions with photographic evidence to close the NCR.
- Since this is a non-reversible environmental impact made by the contractor due to its ignorance, it will be subjected to a 5% deduction from the relevant BoQ item for the period until closing the NCR.

Recorded by: Environmental Monitoring Specialist of PMDSC

Signature: H. Evers, 19.05.2021

Remarks/ Follow up action by the Contractor: