

सार्वजनिक स्थलमा सार्वजनिक सूचना टाँसेको मुचुल्का

आज मिति २०७८-११-२२ गतेका दिन, ग्रामीण सडक सञ्जाल सुधार आयोजना (RCIP), स्थानीय पूर्वाधार बिभाग (DoLI) प्रस्तावक रहेको रामेछाप जिल्लाको लुभुघाट-बेथान-सुनापति गाउँपालिका-गाल्पा-दोरम्बा सडक (३३.७५ किमी) स्तरोन्नति आयोजनाको प्रारम्भिक वातावरणीय परिक्षण (IEE) अध्ययन प्रतिवेदन तयार गर्ने सिलसिलामा अभियान-सोइल टेस्ट-कार्ड जे.भी. परामर्शदाताको प्रतिनिधिले निम्न बमोजिमको सार्वजनिक सूचना थान एक (१) यस बागमती प्रदेश रामेछाप जिल्ला खोडादेवी नगरपालिका/गाउँपालिका, वडा नं ६ को खोडादेवी गा पाको कार्यालय मा तपसिलका हामीहरुको रोहवरमा टाँस गरियो, मुचुल्कामा सहिछाप गरिदियौं।

तपसिल:

- १) रामेछाप जिल्ला खोडादेवी न.पा./गा.पा., वडा नं ६ बस्ने बर्ष ५५ को रुज्जु प्रताप खिमरे
- २) रामेछाप जिल्ला खोडादेवी न.पा./गा.पा., वडा नं ६ बस्ने बर्ष ३८ को प्रेम लाल रिजाल
- ३) रामेछाप जिल्ला खोडादेवी न.पा./गा.पा., वडा नं ६ बस्ने बर्ष २६ को बन्धु प्र. अहिराई
- ४) खोडादेवी जिल्ला तिनपाटन न.पा./गा.पा., वडा नं ०६ बस्ने बर्ष २३ को उमालाल खत्री

काम तामेल गर्ने

कर्मचारीको नाम र सही: पावेत्रा मातब्बर खत्री

पद: व्यापिक सहजकर्ता

कार्यालयको नाम र छाप:





.....खाँडाको.....गाउँपालिका/नगरपालिका
.....नं. ६..... वडा कार्यालय

पत्र संख्या:- ०७८/७९

चलानी नं:- २४६

रामेछाप
जिल्ला, नेपाल

मिति:- २०७८-११-२२

श्री स्थानीय पूर्वाधार विभाग

ग्रामिण सडक सञ्जाल सुधार आयोजना

विषय:- सूचना टाँस्को जानकारी सम्बन्धमा

उपरोक्त सम्बन्धमा तहाँ आयोजनाको च.ने ७१
मिति २०७८-११-२२ को पत्राभ्यास लुगुघाट-वेथान
सुनापति गा.पा.-गाल्पा दोरम्बा सडक (३३.७२ कि.मि.)
स्तरोन्नति आयोजनाको प्रारम्भिक वातावरणीय परिक्षण
(IEE) प्रतिवेदन सम्बन्धमा सार्वजनिक सूचना यस
कार्यालयमा प्राप्त भई कार्यालयको सूचनाटोमा
टाँस टारिएको ब्यहोरा जानकारीका लागि अनुरोध छ।

असल सिंह तामाङ
वडा अध्यक्ष

Ministry of Federal Affairs and General Administration
Department of Local Infrastructure
Rural Connectivity Improvement Project (RCIP)
Project Coordination Unit
Lalitpur



Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu



श्री भूमिथान सामुदायिक वन उपभोक्ता समिति

दोरम्वा-५, रामेछाप

प.सं.: २०६८/०६९

च.नं.: २२०

मिति: २०६८-११-२४

श्री स्थानीय पूर्वाधार विभाग
ग्रामिण सडक सञ्जाल सुधार आयोजना
विषय: सुचना टाँसको जानकारी सम्बन्धमा

उपरोक्त सम्बन्धमा तहँ आयोजनाको च.नं. ०६९ मिति २०६८-११-२४ को पत्रानुसार लुम्बुघाट-वेधान-सुनापति गा.पा-गोल्पा दोरम्वा सडक (३३.०५ कि.मी.) स्तरोन्नति आयोजनाको प्रारम्भिक वातावरणीय परिक्षण (IEE) प्रतिवेदन सम्बन्धमा सार्वजनिक सुचना यस कार्यालयमा प्राप्त भई कार्यालयको सुचनापट्टीमा टाँस गरिएको ब्यहोरा जानकारीका लागि अनुरोध छ।


सम्बन्धित भोक्ता?
अद्वैत



सार्वजनिक स्थलमा सार्वजनिक सूचना टाँसेको मुचुल्का

आज मिति २०७८/११/२६ गतेका दिन, ग्रामीण सडक सञ्जाल सुधार आयोजना (RCIP), स्थानीय पूर्वाधार बिभाग (DoLI) प्रस्तावक रहेको रामेछाप जिल्लाको लुभुघाट-बेथान-सुनापति गाउँपालिका-गाल्पा-दोरम्बा सडक (३३.७५ किमी) स्तरोन्नति आयोजनाको प्रारम्भिक वातावरणीय परिक्षण (IEE) अध्ययन प्रतिवेदन तयार गर्ने सिलसिलामा अभियान-सोइल टेस्ट-कार्ड जे.भी. परामर्शदाताको प्रतिनिधिले निम्न बमोजिमको सार्वजनिक सूचना थान एक (१) यस बागमती प्रदेश रामेछाप जिल्ला सुनापति नगरपालिका/गाउँपालिका, वडा नं ४ को सुनापति सडकको मा तपसिलका हामीहरुको रोहवरमा टाँस गरियो, मुचुल्कामा सहिछाप गरिदियो।

तपसिल:

- १) रामेछाप जिल्ला सुनापति न.पा./गा.पा., वडा नं ४ बस्ने बर्ष ४५ को जय व. पाखे ७७५५
- २) " जिल्ला " न.पा./गा.पा., वडा नं ४ बस्ने बर्ष ४० को विर. व. तामाङ
- ३) " जिल्ला " न.पा./गा.पा., वडा नं ४ बस्ने बर्ष ३६ को विनिता रकुका
- ४) " जिल्ला " न.पा./गा.पा., वडा नं ४ बस्ने बर्ष ४२ को कल्या तामाङ

काम तामेल गर्ने

कर्मचारीको नाम र सही: अशोक कु. शर्मा

पद: सचिव

कार्यालयको नाम र छाप:



श्री सुनापति सल्लेनी सामुदायिक

वन उपभोक्ता समूह

वेथान २३९

चलानी नं.: २०६८/०६९

दर्ता नं.: ०४६

मिति: २०६८-११-२४

विषय: सूचना तालिका जानकारी सार्वजनिक।

श्री स्थानीय स्वशासन विभाग, ग्रामीण सडक सञ्जाल सुधार
आयोजना,
आयोजना समन्वय इकाई, पुल्चोक, नल्लिपुर।

उपरोक्त सम्बन्धमा तहाँ आयोजनाको च.नं.०६५
मिति २०६८-११-२८ को पत्रानुसार लुगुछोट-वेथान-सुनापति-
जा.पा.-गाल्पा दोरम्बा सडक (३३.६५ कि.मी.) सुधारका लागि
आयोजनाको प्रारम्भिक बालबरणीय परिक्षण (IEE)
प्रतिवेदन सम्बन्धित सार्वजनिक सूचना, यस कार्याल-
यमा प्राप्त भई कार्यालयको सूचना पालीमा ताल
गोरेको व्यहोरा जानकारीका लागि अनुरोध छ।



कोषाध्यक्ष *gaba*

सचिव

अध्यक्ष



श्री अग्लेश्वरी सामुदायिक वन उपभोक्ता समूह

खाँडादेवी-७, रामेछाप

२०६४

पत्र संख्या:- २०६८/००५

चलानी नं:- ०९५



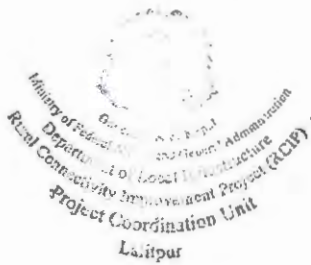
मिति:- २०६८/११/२२

श्री स्थानिय पूर्वाधार विकास संस्थाले सुधार आयोजना,
आयोजना सम्बन्ध दक्षिण पुरचौक, ललितपुर

विषय: सुचना टोर्सको जानकारी सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यहाँ आयोजनाको नं. ०६२ मिलाई
२०६८/११/२२ को पत्रअनुसार लुगुघाट - वेथान - सुनापछी गा.पा.
गाल्पा - दोस्पा सडक (३३.६५ कि.मी) त्तरौन्ती आयोजना
को प्रारम्भिक वातावरणिय परिक्षण (EIE) प्रतिवेक सम्बन्ध
सार्वजनिक सुनुवडको सुचना यस कार्यालयमा प्राप्त भई
कार्यालयको सुचनापटोमा यसै गालिस्को कुरा जानकारीको
भाषी अनुप्रेषण छ ।

चन्द्र व. घिमिसे
अध्यक्ष



Appendix 8

Recommendation Letters

Ministry of Federal
Roads and
Transport
Project Coordination Unit
Lamjung



Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu



सुनापति गाउँपालिका

२ नं वडा कार्यालय

दिमीपोखरी, रामेछाप

बागमती प्रदेश, नेपाल

पत्र संख्या : २०७८/०७८

च. नं. ८३२



मिति : २०७८-१२-०६

श्री ग्रामीण सडक सञ्चाल सुधार आयोजना (RCIP)

आयोजना समन्वय इकाई

स्थानीय पूर्वाधार विभाग (DoLI)

पुल्चोक, ललितपुर

विषय : राय/सुझावहरु सहित सिफारिस गरिएको बारे ।

प्रस्तुत विषयमा तहाँ कार्यालयद्वारा मिति २०७८-११-२७ गते आयोजित सार्वजनिक सुनुवाई र मिति २०७८-११-२६ गते प्रारम्भिक वातावरणीय परिक्षण (IEE) सम्बन्धि सार्वजनिक सूचना अनुसार कार्यान्वयन हुने लुम्बुघाट-बेथान-सुनापति गाउँपालिका-गाल्पा-दोरम्बा सडक (३३.७५ किमी) स्तरोन्नति आयोजना प्रस्तावबाट यस क्षेत्रमा निम्नानुसारको वातावरणीय प्रभाव पर्ने जाने देखिन्छ :-

(क) सकारात्मक प्रभाव

१. रोजगारीको अवसर, आय वृद्धि
२. प्रतिव्यक्ति शिपविकास
३. समय र यातायात खर्चको बचत
४. व्यापार व्यवसाय तथा बजार केन्द्रको विकास तथा प्रवर्धन
५. सडक संचालनको कारणले अनियन्त्रित बसाइसराई नियन्त्रण हुने
६. सहज यातायात सुविधा संगसंगै राम्रो शिक्षा र स्वास्थ्य सेवाको पहुँच पुग्ने

(ख) नकारात्मक प्रभाव

१. विकास संगसंगै वातावरणीय प्रदुषण बढ्दै जाने
२. धुँवा धुलोको समस्या
३. जलस्रोत प्रदुषण हुने
४. सडक छेउका रुखहरु कटान हुने

उल्लेखित प्रभावको आधारमा सकारात्मक प्रभाव अभिवृद्धि गर्ने र नकारात्मक प्रभाव न्यूनीकरण गर्ने गरी प्रारम्भिक वातावरणीय परिक्षण अनुरूपको वातावरणीय व्यवस्थापनको योजना कार्यान्वयन गर्दा उल्लेखित प्रस्तावको सकारात्मक प्रभाव बढी हुने देखिएकोले उल्लेखित प्रस्ताव निम्न आधारमा कार्यान्वयन गर्न मिल्ने व्यहोरा उल्लेख गरी यो सिफारिस गरिएको छ ।

प्रस्ताव कार्यान्वयन गर्ने मित्तने आधार

१. स्थानीयलाई सवारीसाधनमा सहज पहुँच
२. रोजगारीको अवसर व्यापार व्यवसायमा वृद्धि
३. उच्च शिक्षा र राम्रो स्वास्थ्य उपचारको पहुँच
४. नगरमा आयोजना प्रभावित क्षेत्रका स्थानीयहरुको जीवन स्तर उठाउने



सुनापति गाउँपालिका
प्रमुख अधिकारी

वडा अध्यक्ष



सुनापति गाउँपालिका
३ नं वडा कार्यालय
हिलेदेबी, रामेछाप
वागमती प्रदेश, नेपाल

पत्र संख्या : २०७८-०७९

च. नं. ६४४

वागमती प्रदेश, नेपाल

मिति : २०७८-१२-०७

श्री ग्रामीण सडक सञ्जाल सुधार आयोजना (RCIP)
आयोजना समन्वय इकाई
स्थानीय पूर्वाधार विभाग (DoLI)
पुल्चोक, ललितपुर

बिषय : राय/सुझावहरु सहित सिफारिस गरिएको बारे ।

प्रस्तुत विषयमा तहाँ कार्यालयद्वारा मिति २०७८-११-२७ गते आयोजित सार्वजनिक सुनुवाई र मिति २०७८-११-२६ गते प्राप्त प्रारम्भिक वातावरणीय परिक्षण (IEE) सम्बन्धि सार्वजनिक सूचना अनुसार कार्यान्वयन हुने लुम्बुघाट-बेथान-सुनापति गाउँपालिका-गाल्पा-दोरम्बा सडक (३३.७५ किमी) स्तरोन्नति आयोजना प्रस्तावबाट यस क्षेत्रमा निम्नानुसारको वातावरणीय प्रभाव पर्न जाने देखिन्छ :-

(क) सकारात्मक प्रभाव

१. रोजगारका अवसर, आय वृद्धि
२. प्राविधिक शिपविकास
३. समय र यातायात खर्चको बचत
४. व्यापार व्यवसाय तथा बजार केन्द्रको विकास तथा प्रवर्धन
५. सडक संचालनको कारणले अनियन्त्रित बसाइसराई नियन्त्रण हुने
६. सहज यातायात सुविधा संगसंगै राम्रो शिक्षा र स्वास्थ्य सेवाको पहुँच पुग्ने

(ख) नकारात्मक प्रभाव

१. विकास संगसंगै वातावरणीय प्रदुषण बढ्दै जाने
२. धुँवा धुलोको समस्या
३. जलस्रोत प्रदुषण हुने
४. सडक छेउका रुखहरु कटान हुने

उल्लेखित प्रभावको आधारमा सकारात्मक प्रभाव अभिवृद्धि गर्ने र नकारात्मक प्रभाव न्यूनीकरण गर्ने गरी प्रारम्भिक वातावरणीय परिक्षण अनुरूपको वातावरणीय व्यवस्थापनको योजना कार्यान्वयन गर्दा उल्लेखित प्रस्तावको सकारात्मक प्रभाव बढी हुने देखिएकोले उल्लेखित प्रस्ताव निम्न आधारमा कार्यान्वयन गर्न मिल्ने व्यहोरा उल्लेख गरी यो सिफारिस गरिएको छ ।

प्रस्ताव कार्यान्वयन गर्न मिल्ने आधार

१. स्थानीयलाई सवारीसाधनमा सहज पहुँच
२. रोजगारीको अवसर व्यापार व्यवसायमा वृद्धि
३. उच्च शिक्षा र राम्रो स्वास्थ्य उपचारको पहुँच
४. समग्रमा आयोजना प्रभावित क्षेत्रका स्थानीयहरुको जीवन स्तर उकास्ने

Ministry of Federal Affairs
Department of Local Government, Rural Development and Co-operation
Rural Connectivity Project Unit



श्रीमान
अध्यक्ष
वडा अध्यक्ष



सुनापति गाउँपालिका

४ नं वडा कार्यालय

बेथान, रामेछाप
बागमती प्रदेश, नेपाल
बेथान, रामेछाप
बागमती प्रदेश, नेपाल

पत्र संख्या : २०७८/०७९

च. नं. ५३५०

२०७८-११-०६

विषय : राय/सुझावहरु सहित सिफारिस गरिएको बारे ।

प्रस्तुत विषयमा तहाँ कार्यालयद्वारा मिति २०७८-११-२७ गते आयोजित सार्वजनिक सुनुवाई र मिति २०७८-११-२६ गते प्राप्त प्रारम्भिक वातावरणीय परिक्षण (IEE) सम्बन्धि सार्वजनिक सूचना अनुसार कार्यान्वयन हुने लुभुघाट-बेथान-सुनापति गाउँपालिका-गाल्पा-दोरम्बा सडक (३३.७५ किमी) स्तरोन्नति आयोजना प्रस्तावबाट यस क्षेत्रमा निम्नानुसारको वातावरणीय प्रभाव पर्न जाने देखिन्छ :-

(क) सकारात्मक प्रभाव

१. रोजगारका अवसर, आय वृद्धि
२. प्राविधिक शिपविकास
३. समय र यातायात खर्चको बचत
४. व्यापार व्यवसाय तथा बजार केन्द्रको विकास तथा प्रवर्धन
५. सडक संचालनको कारणले अनियन्त्रित घसाइसगई नियन्त्रण हुने
६. सहज यातायात सुविधा संगसंगै राम्रो शिक्षा र स्वास्थ्य सेवाको पहुँच पुग्ने

(ख) नकारात्मक प्रभाव

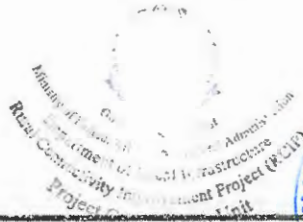
१. विकास संगसंगै वातावरणीय प्रदुषण बढ्दै जाने
२. धुँवा धुलोको समस्या
३. जलस्रोत प्रदुषण हुने
४. सडक छेउका रुखहरु कटान हुने

उल्लेखित प्रभावको आधारमा सकारात्मक प्रभाव अभिवृद्धि गर्ने र नकारात्मक प्रभाव न्यूनीकरण गर्ने गरी प्रारम्भिक वातावरणीय परिक्षण अनुरूपको वातावरणीय व्यवस्थापनको योजना कार्यान्वयन गर्दा उल्लेखित प्रस्तावको सकारात्मक प्रभाव बढी हुने देखिएकोले उल्लेखित प्रस्ताव निम्न आधारमा कार्यान्वयन गर्न भिन्ने व्यहोरा उल्लेख गरी यो सिफारिस गरिएको छ ।

प्रस्ताव कार्यान्वयन गर्ने भिन्ने आधार

१. स्थानीयलाई सवारीसाधनमा सहज पहुँच
२. रोजगारीको अवसर व्यापार व्यवसायमा वृद्धि
३. उच्च शिक्षा र राम्रो स्वास्थ्य उपचारको पहुँच
४. समग्रमा आयोजना प्रभावित क्षेत्रका स्थानीयहरुको जीवन स्तर उकास्ने

१९५५...
वडा अध्यक्ष
अध्यक्ष





सुनापति गाउँपालिका

५ नं वडा कार्यालय

खनियाँपासी, रामेछाप
बागमती प्रदेश, नेपाल

पत्र संख्या : २०७८/०७९

च. नं. ७५५

मिति : २०७८/१२/१९

श्री ग्रामीण सडक सञ्जाल सुधार आयोजना (RCIP)

आयोजना समन्वय इकाई

स्थानीय पूर्वाधार बिभाग (DoLI)

पुल्चोक, ललितपुर

विषय : राय/सुझावहरु सहित सिफारिस गरिएको बारे ।

प्रस्तुत विषयमा तहाँ कार्यालयद्वारा मिति २०७८-११-२७ गते आयोजित सार्वजनिक सुनुवाई र मिति २०७८-११-२६ गते प्राप्त प्रारम्भिक वातावरणीय परिक्षण (IEE) सम्बन्धि सार्वजनिक सूचना अनुसार कार्यान्वयन हुने लुभुघाट-बेथान-सुनापति गाउँपालिका-गाल्पा-दोरम्बा सडक (३३.७५ किमी) स्तरोन्नति आयोजना प्रस्तावबाट यस क्षेत्रमा निम्नानुसारको वातावरणीय प्रभाव पर्न जाने देखिन्छ :-

(क) सकारात्मक प्रभाव

१. रोजगारका अवसर, आय वृद्धि
२. प्राविधिक शिपविकास
३. समय र यातायात खर्चको बचत
४. व्यापार व्यवसाय तथा बजार केन्द्रको विकास तथा प्रबर्धन
५. सडक संचालनको कारणले अनियन्त्रित बसाइसराई नियन्त्रण हुने
६. सहज यातायात सुविधा संगसंगै राम्रो शिक्षा र स्वास्थ्य सेवाको पहुँच पुग्ने

(ख) नकारात्मक प्रभाव

१. विकास संगसंगै वातावरणीय प्रदुषण बढ्दै जाने
२. धुँवा धुलोको समस्या
३. जलस्रोत प्रदुषण हुने
४. सडक छेउका रुखहरु कटान हुने

उल्लेखित प्रभावको आधारमा सकारात्मक प्रभाव अभिवृद्धि गर्ने र नकारात्मक प्रभाव न्यूनीकरण गर्ने गरी प्रारम्भिक वातावरणीय परिक्षण अनुरूपको वातावरणीय व्यवस्थापनको योजना कार्यान्वयन गर्दा उल्लेखित प्रस्तावको सकारात्मक प्रभाव बढी हुने देखिएकोले उल्लेखित प्रस्ताव निम्न आधारमा कार्यान्वयन गर्न मिल्ने व्यहोरा उल्लेख गरी यो सिफारिस गरिएको छ ।

प्रस्ताव कार्यान्वयन गर्न मिल्ने आधार

१. स्थानीयलाई सवारीसाधनमा सहज पहुँच
२. रोजगारीको अवसर व्यापार व्यवसायमा वृद्धि
३. उच्च शिक्षा र राम्रो स्वास्थ्य उपचारको पहुँच
४. समग्रमा आयोजना प्रभावित क्षेत्रका स्थानीयहरुको जीवन स्तर उकास्ने

(Signature)

Website: sunapatimun.gov.np

Facebook: www.facebook.com/sunapatimun

to: sunapatimun@gmail.com

Government of Nepal
Ministry of Federal Affairs and General Administration
Department of Local Infrastructure Development
Rural Connectivity Improvement Project Unit
Project Coordination Unit
Lalitpur



Government of Nepal
Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu

नोकिला नामाङ
वडा अध्यक्ष

श्री सुनापति सल्लेनी सामुदायिक

वन उपभोक्ता समूह

वेधान २३४

चलानी नं: १०६८/०६९

दस्ता नं: ०५५

मिति: २०६८-११-३०

विषय: राय / सुभाषहर सहित लिफारिल गरिएको बारे ।

श्री स्थानीय स्वशासन विभाग (DOLI)

ग्रामीण सडक सञ्जाल सुधार आयोजना (RCIP)

आयोजना समन्वय इकाई

पुल्चौख, ललितपुर

प्रस्तुत विषयमा तहँ कार्यालयद्वारा मिति २०६८-११-२६ गते आयोजित सार्वजनिक सुन्वाई र मिति २०६८-११-२२ गते प्रेषित पत्राचारको बालवर्णीय परिदृश्य (IEE) सम्बन्धित सार्वजनिक सूचना अनुसार कार्यालयले गर्ने अनुदान - वेधाल - सुनापति गाउँपालिका - गाल्पा - दैराख्या (३३.६२ कि.मी.) स्तरोन्नति आयोजना प्रस्तावबाट प्राविधिक विषय विकास, धार्मिक तथा पर्यटकीय क्षेत्रको प्रवर्धन, रोजगारको अवसर, आय वृद्धि गरी ब्यान्धिहरूको जीवन स्तर उकास्न सकारात्मक भूमिका खेल्ने हुनाले प्राथमिकतामा राखी यस आयोजना यथाशीघ्र सम्पन्न गर्न अनुरोध साथ लिफारिल गरिएको छ ।

कोषाध्यक्ष ०५५५





श्री अमलेश्वरी सामुदायिक वन उपभोक्ता समूह

खाँडादेवी-७, रामेछाप

पत्र संख्या:- २०६८/०६९

चलानी नं:- ०३९



मिति:- २०६८/११/३०

श्री आदिपु. लडक सञ्जाल पुर्वाधार योजना, आर्थिक, सामाजिक र स्वास्थ्य विकास पुर्वाधार विभाग, काठमाडौं

विषय: सञ्च राय / प्रस्तावहरू सहित लिफाफेले गरिएको सम्बन्ध

प्रस्तुत विषयमा आदिपु. लडक सञ्जाल पुर्वाधार योजना, स्थानिय पुर्वाधार विभाग (DOLA) को मिति २०६८/११/२२ गते प्रकाशित सूचना, र २०६८/११/२६ गतेको सार्वजनिक पुर्वाधार अनुसार कार्यनिवन्धन हुने सुनुवाट - केवल - पुनर्पात गाउँपालिका - गाल्पा - देउराला लडक (३३.६५ कि.मी.) दैलेख-नेपाली विषयको प्रस्ताव वाट यल क्षेत्रमा निम्न अनुसारको बालबच्चाहरूको हानाको बारेमा जानकारी दिइएको छ।

- १) यल गा.पा.मा सडक स्तरोन्नति हुने भएकोले यल क्षेत्रको सामाजिक विकास हुने र स्थानिय उत्पादनले बजार पाउने।
- २) उच्च शिक्षा र राम्रो स्वास्थ्यको पहुँच हुने।
- ३) पर्यटकीय गन्तव्य शैलुङ्गको प्रवर्धन तथा सहज पहुँच हुने।

उक्त प्रस्तावको आधारमा सकारात्मक प्रभावको अभिविधि गर्ने र तत्कालीन प्रभाव नभएको हुनाले योजना, कार्यनिवन्धन गरी सकारात्मक प्रभाव पार्ने हुने देखिएकाले यो प्रस्ताव कार्यनिवन्धन गर्ने निर्णय यसैले लिइएको छ।



चन्द्र व. प्रधान



श्री भूमिथान सामुदायिक चयन उपभोक्ता समिति

दोरम्बा-४, रामेछाप

प.सं.: २०६८/०६९

स.सं.: २२९

दि. २०६८-११-३०

विषय: राय / सुझावसहित सिफारिस गरिएको बारे ।

श्री ग्रामीण सडक सञ्जाल सुधार आयोजना (RLIP)

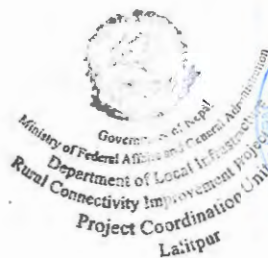
आयोजना समन्वय इकाई

स्थानीय पूर्वाधार विभाग (DoLI)

प्रस्तुत विषयमा तहानै कार्यालयद्वारा मिति २०६८-११-२६ गते

आयोजित सार्वजनिक सुनुवाई र २०६८-११-२२ गते प्रेषित पत्रानुसार कार्यान्वयन हुने लुम्बिनी - वेदमान सुनापति गा पा - गाल्पा दोरम्बा सडक (३३.६२ कि मी) स्तरोन्नतिको वातावरणीय प्रभाव विषयको प्रस्तावबाट यस क्षेत्रमा निम्नानुसारको वातावरणीय प्रभाव पर्ने जाने देखिन्छ ।

१. यस गाउँपालिकामा सडक स्तरोन्नति हुने भएकोले यस क्षेत्रको समग्र विकास हुने र स्थानीय उत्पादनले बजार पाउने ।
 २. पर्यटकीय गन्तव्य शैलुङ्गको प्रवर्धन तथा सहज पहुँच हुने ।
- उक्त प्रस्तावको आधारमा सकारात्मक प्रभावको अतिवृद्धि गर्ने र नकारात्मक प्रभाव न्यून गर्ने हेतुले योजना कार्यान्वयन गर्दा सकारात्मक प्रभाव बढी हुने देखिएकोले यो प्रस्ताव कार्यान्वयन गर्न मिल्ने ब्यहोरा सिफारिस गरिएको छ ।



डम्बर बहादुर मोक्तान
अध्यक्ष



बागमती प्रदेश सरकार
वन तथा वातावरण मन्त्रालय
बागमती प्रदेश, वन निर्देशनालय



डिभिजन वन कार्यालय रामेछाप

रामेछाप डाँडा, रामेछाप

आ. व. ०८५।८८०

च. नं. ६०

मिति : २०७९-०४-२३

विषय : राय/ सुझावहरु सहित सिफारिस गरिएको बारे ।

श्री ग्रामीण सडक सञ्जाल सुधार आयोजना (RCIP)

आयोजना समन्वय इकाई

स्थानीय पूर्वाधार बिभाग (DoLI)

पुल्चोक, ललितपुर

प्रस्तुत विषयमा तहाँ कार्यालयको च. न. २५ मिति २०७९-०४-१५ को पत्रबाट रामेछाप जिल्लामा कार्यान्वयन हुने रस्तालु(भुजीडाँडा) - खोलाखर्क - कालाचौतारा - सिंगटी - गलाम - च्यादलु (प्रिती) सडक (२९.३१० किमि) र लुभुघाट-बेथान-सुनापति गाउँपालिका-गाल्पा-दोरम्बा सडक (३३.७५ किमी) स्तरोन्नति आयोजना सिफारिस माग भएकोमा तपसिल अनुसारको राय सुझाव पठाइएको व्यहोरा अनुरोध छ ।

(क) सकारात्मक प्रभाव

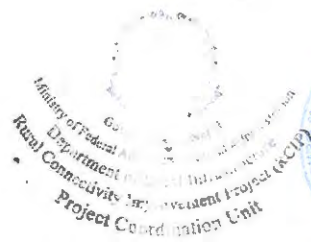
१. स्थानीय रोजगारिको अवसरमा वृद्धि हुने
२. आय वृद्धि
३. प्राविधिक शिपविकास
४. विकासका पूर्वाधारहरुको निर्माण
५. व्यापार व्यवसायमा बढ्ने

(ख) नकारात्मक प्रभाव

१. विकास संगसंगै वातावरणीय प्रदुषण बढ्दै जाने
२. धुँवा धुलोको समस्या
३. जलस्रोत प्रदुषण हुने
४. सडक छेउका रुखहरु कटान हुने

उल्लेखित प्रभावको आधारमा सकारात्मक प्रभाव अभिवृद्धि गर्ने र नकारात्मक प्रभाव न्यूनीकरण गर्ने गरी प्रारम्भिक वातावरणीय परिक्षण अनुरूपको वातावरणीय व्यवस्थापनको योजना कार्यान्वयन गर्दा उल्लेखित प्रस्तावको सकारात्मक प्रभाव वढाउनको लागि देहाय अनुसारका कृयाकलाप समावेश गर्न पर्ने देखिन्छ

- वायोइन्जिनियरिङ को लागि अमृसो प्रजातिको वृक्षारोपण गर्नु पर्नेऽ
- रुख कटान गर्नु पहिले नै वृक्षारोपणको सुनिश्चितता गरिनु पर्नेऽ
- सडकको दाँया बाँया आयमूलक भ डिदार तथा रुख प्रजातीको वृक्षारोपण अनिवार्य गर्नु पर्नेऽ
- पहिरो नियन्त्रणलाई उच्च प्राथमिकता दिनु पर्ने



Appendix 9

Abstract of Cost



**Department of Local Infrastructure (DoLI)
Rural Connectivity Improvement Project (RCIP)
Project Coordination Unit (PCU)**

Pulchowk, Lalitpur

ENGINEER'S ESTIMATE

Lubughat - Bethan - Sunapati Ga. Pa. - Galpa - Doramba Road

Abstract of Cost

Item No.	Description	Amount	%
1	GENERAL	73,612,608.17	6.26
2	SITE CLEARANCE	3,351,667.72	0.29
3	PIPE DRAIN, PIPE CULVERTS & CONCRETE CHANNELS	11,729,907.45	1.00
4	EARTH WORK	68,214,344.28	5.80
5	SUB GRADE	52,567,917.07	4.47
6	SUB BASE, BASE, HARD SHOULDER & GRAVEL WEARING	242,790,914.53	20.66
7	BITUMINOUS SURFACE AND BASE COURSE	116,946,892.51	9.95
8	TRAFFIC SIGN, ROAD MARKING & OTHER ROAD APPURTENANCES	33,731,910.94	2.87
9	CONCRETE FOR STRUCTURES	70,627,676.56	6.01
10	GABION & PROTECTION WORKS	67,049,721.97	5.70
11	MASONRY FOR STRUCTURES	423,290,439.54	36.02
12	BIO-ENGINEERING WORKS	2,342,293.25	0.20
13	DAY WORKS	9,028,348.56	0.77
A	Total Estimated Cost	1,175,284,642.54	100.00
B	Work Charge Establishment Cost @ 2% of (A)	23,505,692.85	
C	Miscellaneous Minor Cost @ 2% of (A)	23,505,692.85	
D	VAT @ 13% (A)	152,787,003.53	
E	Total Estimated Cost with Contingencies (4%) and VAT (A+B+C+D)	1,375,083,031.77	
F	Physical Contingencies @ 10% of (A)	117,528,464.25	
G	Price Contingencies @ 10% of (A)	117,528,464.25	
H	Grand Total Estimated Cost with Contingencies and VAT (E+F+G)	1,610,139,960.28	
I	Total Length of Road (km)	33.75	
J	Cost per km with Contingencies (4%) and VAT (Excluding Physical and Price Contingencies) (E/I)	40,741,993.77	

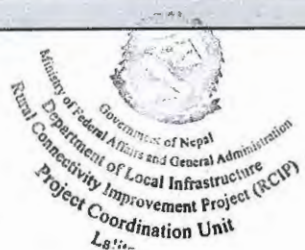


Appendix 10 BoQ of DPR



II of Quantities(BOQ)

Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
1	GENERAL				
01 1.01	Insurances for the loss of damage to works, plant, material, equipment, property and personnel injury or death, Employer's staffs, Consultant's staff, Contractor's employees, labour, including third party personal and property all complete, as per specification (SS/SP-116) and instruction of engineer	Job			3,500,500.00
02 1.02	Provide, operate and maintain Quality Control Laboratory including equipment, accessories, personnel and consumables for both field testing facilities and off-site test with manpower as per specification(SS/SP-504) and instruction of engineer all complete	Month	36.00	110,000.00	3,960,000.00
03 1.03	Carry out Required Maintenance work to keep the road serviceable through out the contract period as per the specification (SS/SP-107) and instruction of engineer, all complete.				
I	During construction	Km-Month	1,215.00	28,916.41	35,133,439.97
II	During Defects Liability period until issue of Certificate of completion	Km-Month	405.00	21,179.54	8,577,713.14
III	During Performance Based Maintenance Period	Km-Month	810.00	21,179.54	17,155,426.27
04 1.05	Providing and installation and demolishing after completion of works of Project Signboards with size of 1.8 x 1.2 m as per specification (SS/SP - 110)and instruction of Engineer all complete	No	2.00	20,000.00	40,000.00
05 1.06	Provides digital progress and record Photographs of the important works (9 photographs each of them shall have 4 Prints and digital files supplied monthly) as per specification (SS-116) and instruction of Engineer all complete.	LS			90,000.00
06 1.07	Provides digital Video of the important activities with English/Nepali narration (60 min video equal to 1 set Total 3 set) as per specification (SS-116) and instruction of Engineer all complete.	LS			100,000.00
07 50.04	Shifting of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and up to a lead of 1000 metres and stacking the serviceable and unserviceable Material separately [Shifting of telephone / Electric poles]	PS	112.00	45,138.65	5,055,528.80
Sub-Total					73,612,608.17



Bill of Quantities(BOQ)



SN	Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
2		SITE CLEARANCE				
2.01	02.01(I-II-A)	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable Material to be used or auctioned, up to a lead of 30 meters including removal and disposal of top organic soil not exceeding 150 mm in thickness. [(By Mechanical Means) In area of light jungle (less than 15 number per 100 sqm)]	sqm	211,198.00	5.48	1,157,069.
2.02	02.04(i-II-A)	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead of 1000 meters [(By Mechanical Means) Cement Concrete Grade M-15 & M-20]	cum	31.00	2,448.81	75,913.
2.03	02.04(iii-B)	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead of 1000 meters [(By Mechanical Means) Dismantling Stone Masonary in Rubble Stone Masonary in cement mortar.]	cum	385.00	1,796.30	691,575.
2.04	02.04(iii-F)	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead of 1000 meters by Mechanical Means. [Dismantling boulders laid in wire crates including opening of crates and stacking dismantled Material by Mechanical Means]	cum	1,265.00	1,128.15	1,427,109.
Sub Total						3,351,667.
3		PIPE DRAIN, PIPE CULVERTS & CONCRETE CHANNELS				
3.01	07.02(D)	Providing and Laying Reinforced cement concrete 900mm NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications. [Laying RCC 900mm internal dia. Pipe]	m	710.00	16,521.00	11,729,907.
Sub Total						11,729,907.



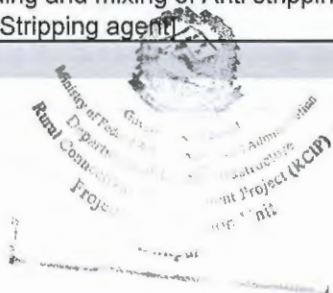
II of Quantities(BOQ)

Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
4	EARTH WORK				
01 09.01(I-B)	Road way Excavation in all types of soil by mechanical means as per Drawing and technical specifications including removal of stumps and other deleterious matter, all lifts and lead as per Drawing and instruction of the Engineer. [Roadway Excavation in all types of soil by mechanical means.]	cum	519,873.40	79.16	41,152,311.89
02 09.04(I-B-i)	Earth work in excavation of foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications. [Ordinary Soil Depth upto 3m By Mechanical Means]	cum	54,336.55	118.74	6,451,785.83
03 09.09(B)	Providing, laying, spreading and compacting embankment with roadway cutting material and compact to the required density as per Drawing and Technical Specifications. (With machine) [Construction of Embankment with Material Deposited from Roadway Cutting(With Machine)]	cum	49,194.69	418.95	20,610,246.56
Sub Total					68,214,344.28
5	SUB GRADE				
01 10.04(II)	Loosening, leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve dry density as per Drawing and Technical Specifications. [Compacting original ground supporting embankment]	cum	39,556.38	95.01	3,758,067.07
02 10.08	Providing and laying of hand pack Stone soling with 150 to 200 mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications. [Laying of hand pack Stone soling]	cum	8,575.12	5,692.03	48,809,850.00
Sub Total					52,567,917.07



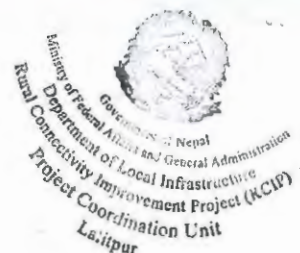
Bill of Quantities(BOQ)

SN	Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
6		SUB BASE, BASE, HARD SHOULDER & GRAVEL WEARING				
6.01	12.01(A)	Providing and laying granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications. [Providing and laying Granular Sub-Base Material By Mechanical means]	cum	50,601.82	2,620.21	132,587,471.7
6.02	12.07(A)	Providing and laying Crusher Run Macadam on a prepared surface, spreading and mixing , watering and compacting to form a layer of Base course as per Drawing and Technical Specifications. [Crusher Run Macadam Base (By Mix in Place Method)]	cum	35,825.26	3,076.14	110,203,442.
Sub Total						242,790,914.5
7		BITUMINOUS SURFACE AND BASE COURSE				
7.01	13.01(A)	Providing and applying prime coat with Hot Bitumen (including cutter) on prepared surface of granular base including cleaning of road surface and spraying by mechanical means as per Technical Specification . [Prime Coat, with MC 30 / 70 by Mechanical Means]	lit	594,079.40	120.41	71,533,409.
7.02	13.04(A)	Providing and laying penetration macadam over prepared Base by providing a layer of compacted crushed coarse aggregate with applications of bituminous binder and key aggregates as per Drawing and Technical Specifications. [Bituminous Penetration Macadam[50mm thick]]	sqm	57,889.21	515.39	29,835,716.
7.03	13.07(A-i)	Providing and laying surface dressing as wearing course in single coat using gravel of specified size on a recently applied layer of bituminous binder on prepared surface as per Drawing and Technical Specifications.[By Mechanical Means] [Surface Dressing [19mm nominal chipping size]-Mechanical Means]	sqm	180,945.90	57.46	10,396,319.
7.04	13.07(A-iii)	Providing and laying surface dressing as wearing course in single coat using gravel of specified size on a recently applied layer of bituminous binder on prepared surface as per Drawing and Technical Specifications [Surface Dressing[10mm nominal size chipping]-Mechanical Means]	sqm	161,730.90	27.43	4,435,909.
7.05	13.16	Providing and mixing of Anti stripping agent as per Design/ direction of Engineer [Anti- Stripping agent]	kg	1,899.93	392.40	745,537.
Sub Total						116,946,892.



II of Quantities(BOQ)

Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
8	TRAFFIC SIGN, ROAD MARKING & OTHER ROAD APPURTENANCES				
15.01	Providing and fixing of Non reflective warning, mandatory and informatory sign board of 2 mm thick MS Sheet with back support frame fixed on heavy 50 mm tube or Channel section of 75 mm X 40 mm firmly fixed to the ground by means of properly designed foundation with M 10/40 grade cement concrete 300 mm x 300 mm x 300 mm, I as per drawings and Technical Specification/ DOR Publication. [Non Reflective Traffic Signs]	nos	24.00	4,431.56	106,357.38
15.02	Providing and fixing of retro- reflectorized warning,Regulatory and informatory sign as per specification clause 1501 made of high intensity grade sheeting , fixed over aluminum sheeting, 1.5 mm thick supported on a 50 mm internal dia steel tube or mild steel angle iron post 75 mm x 40 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 10/40 grade cement concrete 30 cm x 30 cm , 30 cm below ground level or as per Drawing and Technical Specifications. [Retro-Reflectorized Traffic Signs]	nos	114.00	3,304.52	376,715.70
15.09(i)	Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications .The finished surface to be level, uniform and free from streaks and holes. [Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface on smooth surface]	Sqm	6,750.10	1,511.56	10,203,185.69
15.11(i)	Providing and Fixing Reinforced cement concrete M 15 grade kilometer Post including painting and printing as per Standard Drawing-2070 and Technical Specifications. position [Kilometer Stone(Five kilometer post[precast])]	nos	7.00	9,555.19	66,886.33
15.11(ii)	Providing and Fixing Reinforced cement concrete M 15 grade kilometer Post including painting and printing as per Standard Drawing-2070 and Technical Specifications. position [Kilometer Stone(One kilometer post[precast])]	nos	27.00	5,502.47	148,566.56



Bill of Quantities(BOQ)

SN	Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
8.06	15.12	Providing and installation of 150 mm * 150 mm 1.5 m long delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 20 cm wide strips, buried or pressed into the ground and conforming to the drawings and Technical Specifications. [Road Delineators Post]	nos	1,101.00	1,607.46	1,769,818.6
8.07	15.14(A)	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m center to center, 1.8 m high, 1.1 m below ground/road level metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x75 x 5 mm, 330 mm long complete as per Drawing and Technical Specifications. [Reinforced Cement Concrete Crash Barrier[Type - A, "W" : Metal Beam Crash Barrier]]	m	1,990.00	10,583.11	21,060,380.8
Sub Total						33,731,910.9
9		CONCRETE FOR STRUCTURES				
9.01	20.01	Providing and laying of Plain Cement Concrete M 10 (or 1:3:6 for nominal mix) in Foundation complete as per Drawing and Technical Specifications. [PCC M10(1:3:6)]	cum	7,175.36	9,684.60	69,490,502.
9.02	20.02(D)	Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications. [PCC Grade M25]	cum	46.30	14,033.34	649,799.
9.03	20.09	Providing and laying , fitting and placing HYSD bar reinforcement in super-structure complete as per Drawing and Technical Specifications [Providing and laying , fitting and placing HYSD bar reinforcement in super-structure]	t	4.28	113,864.59	487,374.
Sub Total						70,627,676.9

Ministry of
Rural Development



Ministry of
Federal Affairs and General Administration
Singha Durbar, Kathmandu

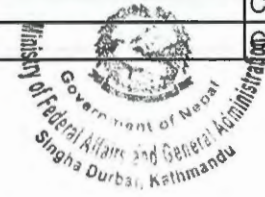
II of Quantities(BOQ)

Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
10	GABION & PROTECTION WORKS				
24.02(A)	Providing mechanically woven double twisted crates / mattress including rolling, cutting and with lacing wire and binding wire as per specification. Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm [Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm]	sqm	70,956.43	310.67	22,044,211.50
24.03	Assembling mechanical woven Gabion boxes /mattresses, placing in position including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; and tying down the lid complete as per specification (stone filling not included) [Assembling mechanical woven Gabion boxes /mattresses]	sqm	70,956.43	71.30	5,059,193.46
24.04	Providing and filling stone/boulder in gabion boxes/mattress etc.. Including dressing, bedding, bonding all complete as per Drawing and Technical Specifications. [Filling stone/boulder in gabion boxes/mattress]	cum	12,974.78	2,936.09	38,095,185.39
24.05	Providing and laying of a geotextile filter between pitching and embankment slopes as per Drawing and Technical Specifications. [Laying and fixing of Geo-Textile all complete as per specification.]	sqm	7,500.57	171.27	1,284,646.77
24.16	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification [Providing and laying Filter material underneath pitching in slopes]	cum	94.05	6,023.23	566,484.86
Sub Total					67,049,721.97
11	MASONRY FOR STRUCTURES				
26.05(A)	Providing and laying Stone Masonry work in cement mortar 1:4 in structure complete as per drawing and Technical Specifications [Random Rubble Masonry in Cement mortar (1:4)]	cum	345.72	11,490.50	3,972,494.31
26.06(A)	Providing and laying Stone Masonry work in cement mortar 1:6 in structure complete as per drawing and Technical Specifications [Random Rubble Masonry in Cement mortar (1:6)]	cum	38,770.94	10,815.26	419,317,945.23
Sub Total					423,290,439.54



Bill of Quantities(BOQ)

SN	Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
12		BIO-ENGINEERING WORKS				
12.01	28.08(C)	Planting grass on site- Planting single node culm cutting of grass (eg napier) on hard cut slopes >45o . Approx. length 15-20cm- including digging planting hole 10-20cm depth using a metal rod or hardwood peg. [Planting single node culm cutting of grass on hard cut slopes >45o]	no	76,407.00	9.40	718,233.
12.02	28.08(G)	Planting grass on site- Planting rooted grass slips on the slopes >60o including preparation of slips on site. Opearation includes dingging planting hole to a max of 5 cm depth with metal rod or hard-wood peg- depending on the nature of the soil.The planting drills should be space 10cm apart. [Planting rooted grass slips on the slopes >60o]	sqm	1,274.00	845.25	1,076,848.
12.03	28.10(B)	Vegetative paliscade construction- brush layering and fascines- Preparation and planting of live pegs slected species(eg assuro- namdi phul- simali)of minium 1m length to 0.5 m depth into hard ground.Pegs spaced at 5cm centres within rows- and interwoven with vegetation. [Vegetative paliscade construction- Preparation of live pegs]	m	1,274.00	345.09	439,647.
12.04	28.10(E)	Vegetative paliscade construction- brush layering and fascines- Laying fo live fascines- using live hardwood cuttings of selected species(eg assuro- namdi phul- simali) of minium 1m length placed in bundles to give 4 running meters of cutting per metre of fascine- including backfilling of trench and careful compaction. [Laying fo live fascines]	m	425.00	253.09	107,564.
Sub Total						2,342,293.
14		DAY WORKS				
14.01	51.1	Labour				
		a) Skilled Labour	M-day	140.00	960.00	134,400.0
		b) Unskilled Labour	M-day	550.00	800.00	440,000.0
14.02	51.2	Material				
		Cement	Mt.	30.00	17,150.80	514,524.0
		Reinforcement(8,10,12,16,20,25mm)	Mt.	20.00	76,950.80	1,539,016.0
		Aggregate(10-40mm)	Cu.m	30.00	2,164.66	64,939.8
		Sand	Cu.m	30.00	2,239.66	67,189.8



II of Quantities(BOQ)

Activity No.	Description of Work	Unit	Quantity	Rate	Amount(NRs)
51.3	Plant / Equipment				
	The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.				
	a) Tipper (4- 6 m3 capacity)	Hr.	500.00	4,377.00	2,188,500.00
	b) Truck (8-10 T capacity)	Hr.	500.00	4,377.00	2,188,500.00
	c) Loader (1-1.5 m3 capacity)	Hr.	500.00	1,004.00	502,000.00
	d) Excavator (135 Hp capacity)	Hr.	500.00	523.00	261,500.00
	e) Water Bowser (5000 ltr capacity)	Hr.	170.00	1,806.00	307,020.00
51.4	The Bidder's Percentage (max 10%) addition to the net cost of labour provided in item 51.1,51.2 and 51.3 as per day works schedule under "Day work Labour, Material and equipment".	%	10.00		820,758.96
Sub-Total					9,028,348.56
Total					1,175,284,642.54

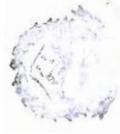
Ministry of Federal Affairs and General Administration
Department of Local Infrastructure
Rural Connectivity Improvement Project (RCIP)
Project Coordination Unit
Lalitpur



Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu

Appendix 11

EMP Cost



Ministry of Fed.
Deputy
Rural Comm.

EMP Cost

SN	Description of Work	Unit	Quantity	Rate	Amount(NRs)
1	Site Clearence				
1.1	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable Material with all lifts and up to a lead of 1000 meters and earth filling in the depression/pit. [Girth from 300mm to 600mm]	No	195	1,021.97	199,284
1.1	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable Material with all lifts and up to a lead of 1000 meters and earth filling in the depression/pit. [Girth from 600mm to 900mm]	No	133	3,065.90	407,765
1.3	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable Material with all lifts and up to a lead of 1000 meters and earth filling in the depression/pit. [Girth from 900mm to 1800mm]	No	115	7,971.80	916,757
1.4	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable Material with all lifts and up to a lead of 1000 meters and earth filling in the depression/pit. [Girth from 1800mm to 2500mm]	No	5	18,549.50	92,748
1.2	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable Material with all lifts and up to a lead of 1000 meters and earth filling in the depression/pit. [Girth above 2500mm]	No	3	61,318.00	183,954
2	Compensatory Plantation				
2.1	Planting trees as compensatory afforestation at the rate of 290 trees per hectare at spacing of 6m by grubbing and leveling the ground upto a depth of 150mm, digging holes 0.9m dia, 1m deep, mixing farmyard/sludge manure with soil, planting of sapling 2m high with 25cm dia stem, backfilling the hole and watering (Including maintenance for 5 Years)	No	4,510	1,992.85	8,987,757
2.2	Planting trees on compensated Land at the rate of 1600 trees per hectare.	No	1,520	1,992.85	3,029,133
3	Bio-Engineering Works	Included in BoQ			
4	Environment Monitoring Cost				
4.1	Water Quality Monitoring (7 Location x 6 Times)	LS	84	5,000.00	420,000
4.2	Noise Quality Monitoring	LS	24	5,000.00	120,000
4.3	Air Quality Monitoring	LS	24	5,000.00	120,000
4.4	Other Direct Observation (2 times)	LS	2	100,000.00	200,000
5	Relocating service utilities				
5.1	Shifting Electric pole	No	112	Included in BoQ	
6	Compensatory Land value for the use of Forest land	Ha	0.95	1,598,625.00	1,518,694
	Total				16,196,091


 Government of Nepal
 Ministry of Federal Affairs and Local Administration
 Department of Local Infrastructure
 Rural Connectivity Improvement Project (RCIP)
 Project Coordination Unit
 Lalitpur


 Joint Venture
 2076
 New Baneshwor, Kathmandu


 Government of Nepal
 Ministry of Federal Affairs and Local Administration
 Singha Durbar, Kathmandu

Rate Analysis for Tree Cutting and Compensatory Plantation

SN	Item Code	Description of Work	Qty	Unit	Kind	Description	Analysis Quantity	Unit	Rate	Amount	Total	Overhead (15%)	Grand Total	Item Unit Rate	Total Tree	Cost
1	02.02(i)	Cutting of Trees (Girth from 300mm to 600mm)	30	no	Labour	Unskilled	25	md	800	20,000.00	26,660.00	3,999.00	30,659.00	1,021.97	195	199,283.50
					Equipment	Tractor	6	hr	1110	6,660.00						
2	02.02(ii)	Cutting of Trees (Girth from 600 mm to 900 mm)	10	no	Labour	Unskilled	25	md	800	20,000.00	26,660.00	3,999.00	30,659.00	3,065.90	133	407,764.70
					Equipment	Tractor	6	hr	1110	6,660.00						
3	02.02(iii)	Cutting of Trees (Girth from 900 mm to 1800 mm)	5	no	Labour	Unskilled	35	md	800	28,000.00	34,660.00	5,199.00	39,859.00	7,971.80	115	916,757.00
					Equipment	Tractor	6	hr	1110	6,660.00						
4	02.02(iv)	Cutting of Trees (Girth from 1800 mm to 2500 mm)	2	no	Labour	Unskilled	32	md	800	25,600.00	32,260.00	4,839.00	37,099.00	18,549.50	5	92,747.50
					Equipment	Tractor	6	hr	1110	6,660.00						
5	02.02(v)	Cutting of Trees (Girth above 2500 mm)	1	no	Labour	Unskilled	50	md	800	40,000.00	53,320.00	7,998.00	61,318.00	61,318.00	3	183,954.00
					Equipment	Tractor	12	hr	1110	13,320.00						
		Total													451	1,800,506.70
57	28.32	Planting trees as compensatory afforestation at the rate of 290 trees per hectare at spacing of 6m by grubbing and leveling the ground upto a depth of 150mm, digging holes 0.9m dia, 1m deep, mixing farmyard/sludge manure with soil, planting of sapling 2m high with 25cm dia stem, backfilling the hole and watering	290	No	Labour	Skilled	28	md	960	26,880.00	502,545.00	75,381.75	577,926.75	1,992.85	4,510	8,987,757.39
						Unskilled	275	md	800	220,000.00						
					Material	Sapling 1 to 1.5m high 2 cm dia stem	319	nos	73	23,287.00						
						Decayed farm yard/ sludge manure (planting)	60.90	cum	2340	142,506.00						
						Decayed farm yard/sludge manure (maintenance)	4	cum	2340	9,360.00						
						Pesticide	2	kg	1310	2,620.00						
						Water	18	KL	400	7,200.00						
					Equipment	Dozer	12	hr	5891	70,692.00						

57	28.32	Planting trees as compensatory afforestation at the rate of 1600 trees per hectare at spacing of 6m by grubbing and leveling the ground upto a depth of 150mm, digging holes 0.9m dia, 1m deep, mixing farmyard/sludge manure with soil, planting of sapling 2m high with 25cm dia stem, backfilling the hole and watering	290	No	Labour	Skilled	28	md	960	26,880.00	502,545.00	75,381.75	577,926.75	1,992.85	1,520	3,029,133.31
						Unskilled	275	md	800	220,000.00						
					Material	Sapling 1 to 1.5m high 2 cm dia stem	319	nos	73	23,287.00						
						Decayed farm yard/ sludge manure (planting)	60.90	cum	2340	142,506.00						
						Decayed farm yard/sludge manure (maintenance)	4	cum	2340	9,360.00						
						Pesticide	2	kg	1310	2,620.00						
						Water	18	KL	400	7,200.00						
					Equipment	Dozer	12	hr	5891	70,692.00						

Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu

Ministry of Federal Affairs and General Administration
Rural Connectivity and Local Infrastructure
Project Improvement Project (RCIP)
Lalitpur



Source: Norms for Rate Analysis of Road and Bridge Work 2075, Department of Roads

Appendix 12

Bio-Engineering Details

Joint Venture
2070
DLP
New Banskotwar, Kathmandu



Ministry of Federal Affairs and General Administration
Government of Nepal
Singha Durbar, Kathmandu

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
1	0+410	RHS	Cut	6.05	3.03	60.50	30.25	54	0.91	0.91	0.30
2	0+460	RHS	Cut	6.44	3.22	64.43	32.22	58	0.97	0.97	0.32
3	0+470	RHS	Cut	7.23	3.62	72.31	36.16	65	1.08	1.08	0.36
4	0+590	RHS	Cut	5.72	2.86	57.22	28.61	51	0.86	0.86	0.29
5	0+780	RHS	Cut	5.97	2.99	59.73	29.87	54	0.90	0.90	0.30
6	0+990	RHS	Cut	7.01	3.50	70.09	35.05	63	1.05	1.05	0.35
7	1+000	RHS	Cut	6.24	3.12	62.39	31.20	56	0.94	0.94	0.31
8	1+010	RHS	Cut	5.46	2.73	54.56	27.28	49	0.82	0.82	0.27
9	1+020	RHS	Cut	5.72	2.86	57.24	28.62	52	0.86	0.86	0.29
10	1+030	RHS	Cut	5.73	2.86	57.25	28.63	52	0.86	0.86	0.29
11	1+040	RHS	Cut	5.21	2.60	52.08	26.04	47	0.78	0.78	0.26
12	1+310	RHS	Cut	14.06	7.03	140.63	70.32	127	2.11	2.11	0.70
13	1+320	RHS	Cut	20.25	10.12	202.47	101.24	182	3.04	3.04	1.01
14	1+330	RHS	Cut	22.56	11.28	225.58	112.79	203	3.38	3.38	1.13
15	1+340	RHS	Cut	20.01	10.00	200.08	100.04	180	3.00	3.00	1.00
16	1+350	RHS	Cut	14.30	7.15	142.97	71.48	129	2.14	2.14	0.71
17	1+360	RHS	Cut	14.54	7.27	145.41	72.71	131	2.18	2.18	0.73
18	1+370	RHS	Cut	13.64	6.82	136.41	68.21	123	2.05	2.05	0.68
19	1+380	RHS	Cut	13.36	6.68	133.64	66.82	120	2.00	2.00	0.67
20	1+390	RHS	Cut	10.62	5.31	106.15	53.08	96	1.59	1.59	0.53
21	1+460	RHS	Cut	12.60	6.30	125.98	62.99	113	1.89	1.89	0.63
22	1+470	RHS	Cut	8.81	4.40	88.07	44.04	79	1.32	1.32	0.44
23	1+530	RHS	Cut	8.00	4.00	79.99	40.00	72	1.20	1.20	0.40
24	1+540	RHS	Cut	11.00	5.50	110.05	55.02	99	1.65	1.65	0.55
25	1+550	RHS	Cut	14.54	7.27	145.40	72.70	131	2.18	2.18	0.73
26	1+560	RHS	Cut	14.05	7.03	140.53	70.27	126	2.11	2.11	0.70
27	1+570	RHS	Cut	16.17	8.09	161.71	80.86	146	2.43	2.43	0.81
28	1+580	RHS	Cut	16.03	8.01	160.29	80.14	144	2.40	2.40	0.80
29	1+590	RHS	Cut	7.53	3.77	75.31	37.66	68	1.13	1.13	0.38
30	1+620	RHS	Cut	6.77	3.38	67.69	33.85	61	1.02	1.02	0.34
31	1+630	RHS	Cut	6.30	3.15	63.04	31.52	57	0.95	0.95	0.32
32	1+710	RHS	Cut	5.58	2.79	55.79	27.90	50	0.84	0.84	0.28
33	1+730	RHS	Cut	5.00	2.50	50.04	25.02	45	0.75	0.75	0.25
34	1+740	RHS	Cut	6.09	3.05	60.92	30.46	55	0.91	0.91	0.30
35	1+750	RHS	Cut	8.13	4.07	81.32	40.66	73	1.22	1.22	0.41
36	1+760	RHS	Cut	5.39	2.69	53.85	26.93	48	0.81	0.81	0.27
37	2+370	RHS	Cut	5.12	2.56	51.20	25.60	46	0.77	0.77	0.26
38	2+650	RHS	Cut	6.23	3.11	62.28	31.14	56	0.93	0.93	0.31
39	2+660	RHS	Cut	7.44	3.72	74.43	37.22	67	1.12	1.12	0.37
40	2+670	RHS	Cut	5.69	2.84	56.89	28.45	51	0.85	0.85	0.28
41	2+690	RHS	Cut	6.06	3.03	60.56	30.28	55	0.91	0.91	0.30
42	2+700	RHS	Cut	6.65	3.32	66.45	33.23	60	1.00	1.00	0.33
43	2+710	RHS	Cut	5.99	2.99	59.87	29.94	54	0.90	0.90	0.30
44	2+750	RHS	Cut	6.36	3.18	63.64	31.82	57	0.95	0.95	0.32
45	2+760	RHS	Cut	6.85	3.43	68.54	34.27	62	1.03	1.03	0.34
46	2+810	RHS	Cut	7.00	3.50	69.96	34.98	63	1.05	1.05	0.35
47	2+820	RHS	Cut	7.82	3.91	78.20	39.10	70	1.17	1.17	0.39
48	2+830	RHS	Cut	5.71	2.85	57.05	28.53	51	0.86	0.86	0.29
49	2+970	RHS	Cut	5.24	2.62	52.38	26.19	47	0.79	0.79	0.26
50	2+980	RHS	Cut	8.27	4.13	82.67	41.34	74	1.24	1.24	0.41
51	2+990	RHS	Cut	5.97	2.98	59.69	29.85	54	0.90	0.90	0.30
52	3+230	RHS	Cut	5.25	2.63	52.51	26.26	47	0.79	0.79	0.26
53	3+500	RHS	Cut	5.46	2.73	54.56	27.28	49	0.82	0.82	0.27
54	3+520	RHS	Cut	8.78	4.39	87.84	43.92	79	1.32	1.32	0.44
55	3+570	RHS	Cut	6.02	3.01	60.24	30.12	54	0.90	0.90	0.30
56	3+580	RHS	Cut	5.91	2.96	59.10	29.55	53	0.89	0.89	0.30
57	3+670	RHS	Cut	6.22	3.11	62.21	31.11	56	0.93	0.93	0.31
58	3+680	RHS	Cut	9.48	4.74	94.79	47.40	85	1.42	1.42	0.47
59	3+690	RHS	Cut	7.75	3.88	77.53	38.76	70	1.16	1.16	0.39

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
60	3+700	RHS	Cut	7.13	3.57	71.34	35.67	64	1.07	1.07	0.36
61	3+710	RHS	Cut	11.14	5.57	111.35	55.68	100	1.67	1.67	0.56
62	3+720	RHS	Cut	10.73	5.37	107.31	53.66	97	1.61	1.61	0.54
63	3+730	RHS	Cut	7.61	3.80	76.06	38.03	68	1.14	1.14	0.38
64	3+900	RHS	Cut	7.33	3.66	73.26	36.63	66	1.10	1.10	0.37
65	3+910	RHS	Cut	8.02	4.01	80.15	40.08	72	1.20	1.20	0.40
66	3+920	RHS	Cut	9.24	4.62	92.36	46.18	83	1.39	1.39	0.46
67	3+930	RHS	Cut	9.52	4.76	95.18	47.59	86	1.43	1.43	0.48
68	3+940	RHS	Cut	12.59	6.29	125.87	62.94	113	1.89	1.89	0.63
69	3+950	RHS	Cut	12.77	6.38	127.65	63.83	115	1.91	1.91	0.64
70	3+960	RHS	Cut	14.69	7.34	146.89	73.45	132	2.20	2.20	0.73
71	3+970	RHS	Cut	16.54	8.27	165.40	82.70	149	2.48	2.48	0.83
72	3+980	RHS	Cut	19.04	9.52	190.40	95.20	171	2.86	2.86	0.95
73	3+990	RHS	Cut	14.87	7.43	148.67	74.34	134	2.23	2.23	0.74
74	4+000	RHS	Cut	13.84	6.92	138.39	69.20	125	2.08	2.08	0.69
75	4+010	RHS	Cut	7.50	3.75	74.98	37.49	67	1.12	1.12	0.37
76	4+020	RHS	Cut	12.16	6.08	121.62	60.81	109	1.82	1.82	0.61
77	4+030	RHS	Cut	14.38	7.19	143.82	71.91	129	2.16	2.16	0.72
78	4+040	RHS	Cut	15.54	7.77	155.41	77.70	140	2.33	2.33	0.78
79	4+050	RHS	Cut	12.54	6.27	125.35	62.68	113	1.88	1.88	0.63
80	4+060	RHS	Cut	6.39	3.19	63.88	31.94	57	0.96	0.96	0.32
81	4+100	RHS	Cut	6.52	3.26	65.24	32.62	59	0.98	0.98	0.33
82	4+110	RHS	Cut	10.34	5.17	103.36	51.68	93	1.55	1.55	0.52
83	4+120	RHS	Cut	8.66	4.33	86.55	43.28	78	1.30	1.30	0.43
84	4+130	RHS	Cut	5.97	2.98	59.66	29.83	54	0.89	0.89	0.30
85	4+170	RHS	Cut	7.21	3.60	72.07	36.04	65	1.08	1.08	0.36
86	4+190	RHS	Cut	14.09	7.05	140.92	70.46	127	2.11	2.11	0.70
87	4+200	RHS	Cut	13.59	6.79	135.90	67.95	122	2.04	2.04	0.68
88	4+210	RHS	Cut	14.22	7.11	142.25	71.12	128	2.13	2.13	0.71
89	4+220	RHS	Cut	13.95	6.98	139.51	69.75	126	2.09	2.09	0.70
90	4+230	RHS	Cut	13.21	6.61	132.12	66.06	119	1.98	1.98	0.66
91	4+240	RHS	Cut	11.98	5.99	119.82	59.91	108	1.80	1.80	0.60
92	4+250	RHS	Cut	12.02	6.01	120.22	60.11	108	1.80	1.80	0.60
93	4+260	RHS	Cut	12.09	6.04	120.87	60.43	109	1.81	1.81	0.60
94	4+270	RHS	Cut	8.46	4.23	84.57	42.29	76	1.27	1.27	0.42
95	4+275	RHS	Cut	6.07	3.03	30.35	15.17	27	0.46	0.46	0.15
96	4+280	RHS	Cut	7.62	3.81	38.10	19.05	34	0.57	0.57	0.19
97	4+290	RHS	Cut	7.23	3.61	72.29	36.15	65	1.08	1.08	0.36
98	4+300	RHS	Cut	7.24	3.62	72.39	36.20	65	1.09	1.09	0.36
99	4+310	RHS	Cut	7.77	3.88	77.66	38.83	70	1.16	1.16	0.39
100	4+320	RHS	Cut	11.35	5.67	113.48	56.74	102	1.70	1.70	0.57
101	4+330	RHS	Cut	15.34	7.67	153.43	76.72	138	2.30	2.30	0.77
102	4+340	RHS	Cut	9.43	4.72	94.33	47.17	85	1.41	1.41	0.47
103	4+460	RHS	Cut	7.39	3.70	73.90	36.95	67	1.11	1.11	0.37
104	4+470	RHS	Cut	12.36	6.18	123.57	61.78	111	1.85	1.85	0.62
105	4+480	RHS	Cut	5.70	2.85	56.97	28.49	51	0.85	0.85	0.28
106	4+540	LHS	Cut	6.01	3.00	60.08	30.04	54	0.90	0.90	0.30
107	4+550	LHS	Cut	8.19	4.09	81.87	40.94	74	1.23	1.23	0.41
108	4+560	LHS	Cut	8.72	4.36	87.16	43.58	78	1.31	1.31	0.44
109	4+720	RHS	Cut	5.92	2.96	59.21	29.61	53	0.89	0.89	0.30
110	4+730	RHS	Cut	6.64	3.32	66.37	33.19	60	1.00	1.00	0.33
111	4+740	RHS	Cut	6.18	3.09	61.84	30.92	56	0.93	0.93	0.31
112	4+770	RHS	Cut	5.42	2.71	54.19	27.10	49	0.81	0.81	0.27
113	4+780	RHS	Cut	12.65	6.32	126.49	63.24	114	1.90	1.90	0.63
114	4+790	RHS	Cut	14.74	7.37	147.36	73.68	133	2.21	2.21	0.74
115	4+800	RHS	Cut	10.36	5.18	103.58	51.79	93	1.55	1.55	0.52
116	4+810	RHS	Cut	10.18	5.09	101.76	50.88	92	1.53	1.53	0.51
117	4+820	RHS	Cut	12.29	6.15	122.94	61.47	111	1.84	1.84	0.61
118	4+830	RHS	Cut	14.48	7.24	144.80	72.40	130	2.17	2.17	0.72

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
119	4+840	RHS	Cut	15.90	7.95	158.99	79.49	143	2.38	2.38	0.79
120	4+850	RHS	Cut	15.50	7.75	154.97	77.49	139	2.32	2.32	0.77
121	4+860	RHS	Cut	14.21	7.11	142.15	71.07	128	2.13	2.13	0.71
122	4+870	RHS	Cut	12.59	6.29	125.88	62.94	113	1.89	1.89	0.63
123	4+880	RHS	Cut	12.24	6.12	122.36	61.18	110	1.84	1.84	0.61
124	4+890	RHS	Cut	6.61	3.31	66.10	33.05	59	0.99	0.99	0.33
125	4+910	RHS	Cut	6.32	3.16	63.19	31.60	57	0.95	0.95	0.32
126	4+920	RHS	Cut	7.55	3.78	75.54	37.77	68	1.13	1.13	0.38
127	4+930	RHS	Cut	6.23	3.12	62.30	31.15	56	0.93	0.93	0.31
128	5+140	RHS	Cut	5.05	2.53	50.50	25.25	45	0.76	0.76	0.25
129	5+150	RHS	Cut	5.31	2.65	53.07	26.54	48	0.80	0.80	0.27
130	5+190	RHS	Cut	6.44	3.22	64.43	32.22	58	0.97	0.97	0.32
131	5+650	RHS	Cut	5.07	2.54	50.72	25.36	46	0.76	0.76	0.25
132	5+740	RHS	Cut	5.47	2.74	54.72	27.36	49	0.82	0.82	0.27
133	5+750	RHS	Cut	5.78	2.89	57.81	28.91	52	0.87	0.87	0.29
134	5+760	RHS	Cut	5.97	2.99	59.74	29.87	54	0.90	0.90	0.30
135	5+770	RHS	Cut	5.46	2.73	54.58	27.29	49	0.82	0.82	0.27
136	5+820	RHS	Cut	5.05	2.53	50.52	25.26	45	0.76	0.76	0.25
137	5+920	RHS	Cut	5.18	2.59	51.81	25.91	47	0.78	0.78	0.26
138	5+930	RHS	Cut	6.85	3.42	68.48	34.24	62	1.03	1.03	0.34
139	5+940	RHS	Cut	6.43	3.22	64.31	32.16	58	0.96	0.96	0.32
140	6+050	RHS	Cut	5.73	2.86	57.26	28.63	52	0.86	0.86	0.29
141	6+090	RHS	Cut	5.36	2.68	53.61	26.81	48	0.80	0.80	0.27
142	6+100	RHS	Cut	5.79	2.90	57.92	28.96	52	0.87	0.87	0.29
143	6+110	RHS	Cut	5.13	2.56	51.28	25.64	46	0.77	0.77	0.26
144	6+130	RHS	Cut	5.06	2.53	50.61	25.31	46	0.76	0.76	0.25
145	6+270	RHS	Cut	6.71	3.35	67.09	33.55	60	1.01	1.01	0.34
146	6+280	RHS	Cut	7.28	3.64	72.84	36.42	66	1.09	1.09	0.36
147	6+290	RHS	Cut	5.97	2.98	59.67	29.84	54	0.90	0.90	0.30
148	6+400	RHS	Cut	6.94	3.47	69.39	34.70	62	1.04	1.04	0.35
149	6+410	RHS	Cut	6.21	3.10	62.05	31.03	56	0.93	0.93	0.31
150	6+420	RHS	Cut	5.74	2.87	57.40	28.70	52	0.86	0.86	0.29
151	6+450	RHS	Cut	6.62	3.31	66.18	33.09	60	0.99	0.99	0.33
152	6+460	RHS	Cut	7.77	3.89	77.74	38.87	70	1.17	1.17	0.39
153	6+470	RHS	Cut	7.94	3.97	79.41	39.71	71	1.19	1.19	0.40
154	6+480	RHS	Cut	7.83	3.91	78.25	39.13	70	1.17	1.17	0.39
155	6+490	RHS	Cut	5.70	2.85	56.97	28.49	51	0.85	0.85	0.28
156	6+500	RHS	Cut	5.56	2.78	55.62	27.81	50	0.83	0.83	0.28
157	6+510	RHS	Cut	10.09	5.04	100.86	50.43	91	1.51	1.51	0.50
158	6+520	RHS	Cut	10.93	5.47	109.30	54.65	98	1.64	1.64	0.55
159	6+530	RHS	Cut	11.74	5.87	117.37	58.68	106	1.76	1.76	0.59
160	6+540	RHS	Cut	12.64	6.32	126.44	63.22	114	1.90	1.90	0.63
161	6+550	RHS	Cut	12.88	6.44	128.83	64.42	116	1.93	1.93	0.64
162	6+560	RHS	Cut	12.93	6.46	129.27	64.64	116	1.94	1.94	0.65
163	6+620	RHS	Cut	6.25	3.12	62.48	31.24	56	0.94	0.94	0.31
164	6+630	RHS	Cut	6.19	3.10	61.90	30.95	56	0.93	0.93	0.31
165	6+640	RHS	Cut	5.75	2.87	57.45	28.73	52	0.86	0.86	0.29
166	6+700	RHS	Cut	5.22	2.61	52.18	26.09	47	0.78	0.78	0.26
167	6+710	RHS	Cut	5.55	2.78	55.50	27.75	50	0.83	0.83	0.28
168	6+720	RHS	Cut	5.31	2.65	53.08	26.54	48	0.80	0.80	0.27
169	6+730	RHS	Cut	5.68	2.84	56.75	28.38	51	0.85	0.85	0.28
170	6+740	RHS	Cut	6.18	3.09	61.82	30.91	56	0.93	0.93	0.31
171	6+750	RHS	Cut	7.08	3.54	70.75	35.38	64	1.06	1.06	0.35
172	6+760	RHS	Cut	7.86	3.93	78.59	39.30	71	1.18	1.18	0.39
173	6+770	RHS	Cut	9.07	4.54	90.70	45.35	82	1.36	1.36	0.45
174	6+780	RHS	Cut	9.64	4.82	96.41	48.21	87	1.45	1.45	0.48
175	6+790	RHS	Cut	8.58	4.29	85.77	42.89	77	1.29	1.29	0.43
176	6+800	RHS	Cut	5.35	2.68	53.54	26.77	48	0.80	0.80	0.27
177	6+810	RHS	Cut	7.22	3.61	72.17	36.09	65	1.08	1.08	0.36

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
178	6+900	RHS	Cut	5.54	2.77	55.44	27.72	50	0.83	0.83	0.28
179	7+000	RHS	Cut	5.21	2.60	52.08	26.04	47	0.78	0.78	0.26
180	7+040	RHS	Cut	5.74	2.87	57.36	28.68	52	0.86	0.86	0.29
181	7+050	RHS	Cut	5.74	2.87	57.35	28.68	52	0.86	0.86	0.29
182	7+110	RHS	Cut	5.09	2.54	50.85	25.43	46	0.76	0.76	0.25
183	7+730	RHS	Cut	6.12	3.06	61.23	30.62	55	0.92	0.92	0.31
184	7+740	RHS	Cut	7.12	3.56	71.16	35.58	64	1.07	1.07	0.36
185	7+760	RHS	Cut	9.14	4.57	91.38	45.69	82	1.37	1.37	0.46
186	7+770	RHS	Cut	6.61	3.30	66.09	33.05	59	0.99	0.99	0.33
187	7+790	RHS	Cut	6.37	3.19	63.73	31.87	57	0.96	0.96	0.32
188	7+800	RHS	Cut	10.39	5.20	103.90	51.95	94	1.56	1.56	0.52
189	7+810	RHS	Cut	8.76	4.38	87.55	43.78	79	1.31	1.31	0.44
190	7+870	RHS	Cut	5.32	2.66	53.20	26.60	48	0.80	0.80	0.27
191	7+880	RHS	Cut	7.52	3.76	75.22	37.61	68	1.13	1.13	0.38
192	7+890	RHS	Cut	6.16	3.08	61.62	30.81	55	0.92	0.92	0.31
193	8+060	RHS	Cut	5.56	2.78	55.56	27.78	50	0.83	0.83	0.28
194	8+210	RHS	Cut	6.14	3.07	61.44	30.72	55	0.92	0.92	0.31
195	8+220	RHS	Cut	7.07	3.54	70.71	35.36	64	1.06	1.06	0.35
196	8+230	RHS	Cut	8.45	4.23	84.52	42.26	76	1.27	1.27	0.42
197	8+240	RHS	Cut	7.81	3.91	78.11	39.06	70	1.17	1.17	0.39
198	8+250	RHS	Cut	6.82	3.41	68.18	34.09	61	1.02	1.02	0.34
199	8+260	RHS	Cut	6.05	3.03	60.51	30.26	54	0.91	0.91	0.30
200	8+360	RHS	Cut	5.17	2.58	51.68	25.84	47	0.78	0.78	0.26
201	8+380	RHS	Cut	5.50	2.75	54.99	27.50	49	0.82	0.82	0.27
202	8+450	LHS	Cut	6.93	3.47	69.34	34.67	62	1.04	1.04	0.35
203	8+460	LHS	Cut	12.19	6.09	121.87	60.94	110	1.83	1.83	0.61
204	8+470	LHS	Cut	10.62	5.31	106.21	53.11	96	1.59	1.59	0.53
205	8+480	LHS	Cut	5.82	2.91	58.17	29.09	52	0.87	0.87	0.29
206	8+520	RHS	Cut	7.80	3.90	77.97	38.99	70	1.17	1.17	0.39
207	8+530	RHS	Cut	16.17	8.08	161.70	80.85	146	2.43	2.43	0.81
208	8+540	RHS	Cut	15.59	7.79	155.87	77.94	140	2.34	2.34	0.78
209	8+550	RHS	Cut	13.36	6.68	133.63	66.82	120	2.00	2.00	0.67
210	8+560	RHS	Cut	11.55	5.78	115.52	57.76	104	1.73	1.73	0.58
211	8+570	RHS	Cut	7.66	3.83	76.60	38.30	69	1.15	1.15	0.38
212	8+580	RHS	Cut	9.46	4.73	94.63	47.32	85	1.42	1.42	0.47
213	8+590	RHS	Cut	10.43	5.22	104.30	52.15	94	1.56	1.56	0.52
214	8+600	RHS	Cut	6.62	3.31	66.17	33.08	60	0.99	0.99	0.33
215	8+630	RHS	Cut	5.06	2.53	50.60	25.30	46	0.76	0.76	0.25
216	8+690	RHS	Cut	5.94	2.97	59.42	29.71	53	0.89	0.89	0.30
217	8+700	RHS	Cut	5.40	2.70	53.99	27.00	49	0.81	0.81	0.27
218	8+740	RHS	Cut	7.19	3.59	71.85	35.93	65	1.08	1.08	0.36
219	8+750	RHS	Cut	7.36	3.68	73.63	36.82	66	1.10	1.10	0.37
220	8+760	RHS	Cut	7.52	3.76	75.15	37.58	68	1.13	1.13	0.38
221	8+770	RHS	Cut	7.04	3.52	70.40	35.20	63	1.06	1.06	0.35
222	8+780	RHS	Cut	6.42	3.21	64.23	32.12	58	0.96	0.96	0.32
223	8+790	RHS	Cut	5.23	2.61	52.26	26.13	47	0.78	0.78	0.26
224	8+810	RHS	Cut	5.14	2.57	51.44	25.72	46	0.77	0.77	0.26
225	8+840	RHS	Cut	5.26	2.63	52.56	26.28	47	0.79	0.79	0.26
226	8+890	RHS	Cut	5.34	2.67	53.37	26.69	48	0.80	0.80	0.27
227	8+900	RHS	Cut	5.19	2.60	51.93	25.97	47	0.78	0.78	0.26
228	8+910	RHS	Cut	5.22	2.61	52.23	26.12	47	0.78	0.78	0.26
229	8+920	RHS	Cut	5.07	2.53	50.67	25.34	46	0.76	0.76	0.25
230	8+950	RHS	Cut	5.01	2.51	50.11	25.06	45	0.75	0.75	0.25
231	8+970	RHS	Cut	8.11	4.05	81.08	40.54	73	1.22	1.22	0.41
232	8+980	RHS	Cut	9.50	4.75	95.01	47.50	86	1.43	1.43	0.48
233	8+990	RHS	Cut	9.76	4.88	97.56	48.78	88	1.46	1.46	0.49
234	9+000	RHS	Cut	9.42	4.71	94.20	47.10	85	1.41	1.41	0.47
235	9+010	RHS	Cut	6.38	3.19	63.79	31.90	57	0.96	0.96	0.32
236	9+020	RHS	Cut	8.42	4.21	84.20	42.10	76	1.26	1.26	0.42

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Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
237	9+150	RHS	Cut	5.05	2.53	50.52	25.26	45	0.76	0.76	0.25
238	9+160	RHS	Cut	5.67	2.83	56.66	28.33	51	0.85	0.85	0.28
239	9+190	RHS	Cut	5.07	2.53	50.65	25.33	46	0.76	0.76	0.25
240	9+460	RHS	Cut	5.85	2.93	58.53	29.27	53	0.88	0.88	0.29
241	9+470	RHS	Cut	6.68	3.34	66.83	33.42	60	1.00	1.00	0.33
242	9+480	RHS	Cut	5.52	2.76	55.15	27.58	50	0.83	0.83	0.28
243	9+530	RHS	Cut	6.55	3.28	65.53	32.77	59	0.98	0.98	0.33
244	9+540	RHS	Cut	6.06	3.03	60.64	30.32	55	0.91	0.91	0.30
245	9+640	RHS	Cut	5.16	2.58	51.60	25.80	46	0.77	0.77	0.26
246	9+650	RHS	Cut	5.80	2.90	58.01	29.01	52	0.87	0.87	0.29
247	9+680	RHS	Cut	5.26	2.63	52.62	26.31	47	0.79	0.79	0.26
248	9+720	RHS	Cut	5.65	2.82	56.49	28.25	51	0.85	0.85	0.28
249	9+730	RHS	Cut	5.29	2.64	52.86	26.43	48	0.79	0.79	0.26
250	9+740	RHS	Cut	5.23	2.62	52.31	26.16	47	0.78	0.78	0.26
251	9+750	RHS	Cut	8.56	4.28	85.62	42.81	77	1.28	1.28	0.43
252	9+760	RHS	Cut	9.36	4.68	93.62	46.81	84	1.40	1.40	0.47
253	9+770	RHS	Cut	6.78	3.39	67.76	33.88	61	1.02	1.02	0.34
254	9+850	RHS	Cut	6.39	3.19	63.88	31.94	57	0.96	0.96	0.32
255	9+860	RHS	Cut	5.80	2.90	57.98	28.99	52	0.87	0.87	0.29
256	9+910	RHS	Cut	5.07	2.54	50.73	25.37	46	0.76	0.76	0.25
257	9+920	RHS	Cut	6.08	3.04	60.78	30.39	55	0.91	0.91	0.30
258	9+930	RHS	Cut	5.20	2.60	52.01	26.01	47	0.78	0.78	0.26
259	10+080	RHS	Cut	5.18	2.59	51.80	25.90	47	0.78	0.78	0.26
260	10+730	RHS	Cut	5.02	2.51	50.15	25.08	45	0.75	0.75	0.25
261	10+860	RHS	Cut	5.56	2.78	55.61	27.81	50	0.83	0.83	0.28
262	10+920	RHS	Cut	5.02	2.51	50.23	25.12	45	0.75	0.75	0.25
263	11+000	RHS	Cut	7.88	3.94	78.75	39.38	71	1.18	1.18	0.39
264	11+010	RHS	Cut	9.29	4.65	92.94	46.47	84	1.39	1.39	0.46
265	11+020	RHS	Cut	5.96	2.98	59.63	29.82	54	0.89	0.89	0.30
266	11+030	RHS	Cut	7.19	3.59	71.89	35.95	65	1.08	1.08	0.36
267	11+270	RHS	Cut	6.17	3.08	61.68	30.84	56	0.93	0.93	0.31
268	11+360	RHS	Cut	7.09	3.55	70.92	35.46	64	1.06	1.06	0.35
269	11+370	RHS	Cut	6.26	3.13	62.58	31.29	56	0.94	0.94	0.31
270	11+380	RHS	Cut	7.23	3.61	72.25	36.13	65	1.08	1.08	0.36
271	11+390	RHS	Cut	6.14	3.07	61.38	30.69	55	0.92	0.92	0.31
272	11+400	RHS	Cut	5.09	2.55	50.91	25.46	46	0.76	0.76	0.25
273	11+410	RHS	Cut	5.62	2.81	56.15	28.08	51	0.84	0.84	0.28
274	11+420	RHS	Cut	7.59	3.79	75.89	37.95	68	1.14	1.14	0.38
275	11+430	RHS	Cut	6.03	3.02	60.30	30.15	54	0.90	0.90	0.30
276	11+770	LHS	Cut	5.62	2.81	56.20	28.10	51	0.84	0.84	0.28
277	11+910	RHS	Cut	10.52	5.26	105.25	52.62	95	1.58	1.58	0.53
278	11+920	RHS	Cut	12.72	6.36	127.25	63.62	115	1.91	1.91	0.64
279	11+930	RHS	Cut	7.26	3.63	72.62	36.31	65	1.09	1.09	0.36
280	11+950	RHS	Cut	5.45	2.73	54.50	27.25	49	0.82	0.82	0.27
281	12+010	LHS	Cut	14.16	7.08	141.64	70.82	127	2.12	2.12	0.71
282	12+020	LHS	Cut	15.79	7.89	157.89	78.94	142	2.37	2.37	0.79
283	12+030	LHS	Cut	8.08	4.04	80.78	40.39	73	1.21	1.21	0.40
284	12+060	LHS	Cut	6.76	3.38	67.64	33.82	61	1.01	1.01	0.34
285	12+070	LHS	Cut	5.99	3.00	59.93	29.97	54	0.90	0.90	0.30
286	12+410	RHS	Cut	5.51	2.75	55.07	27.54	50	0.83	0.83	0.28
287	12+420	RHS	Cut	5.77	2.89	57.73	28.87	52	0.87	0.87	0.29
288	12+430	RHS	Cut	5.18	2.59	51.76	25.88	47	0.78	0.78	0.26
289	12+440	RHS	Cut	5.73	2.86	57.28	28.64	52	0.86	0.86	0.29
290	12+450	RHS	Cut	7.78	3.89	77.82	38.91	70	1.17	1.17	0.39
291	12+460	RHS	Cut	11.06	5.53	110.62	55.31	100	1.66	1.66	0.55
292	12+470	RHS	Cut	13.37	6.69	133.71	66.85	120	2.01	2.01	0.67
293	12+480	RHS	Cut	12.13	6.06	121.27	60.63	109	1.82	1.82	0.61
294	12+490	RHS	Cut	12.74	6.37	127.38	63.69	115	1.91	1.91	0.64
295	12+610	RHS	Cut	5.02	2.51	50.23	25.12	45	0.75	0.75	0.25

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
296	12+620	RHS	Cut	7.06	3.53	70.58	35.29	64	1.06	1.06	0.35
297	12+630	RHS	Cut	7.16	3.58	71.60	35.80	64	1.07	1.07	0.36
298	12+640	RHS	Cut	6.55	3.27	65.49	32.75	59	0.98	0.98	0.33
299	12+650	RHS	Cut	7.95	3.98	79.54	39.77	72	1.19	1.19	0.40
300	12+660	RHS	Cut	8.02	4.01	80.24	40.12	72	1.20	1.20	0.40
301	12+670	RHS	Cut	8.24	4.12	82.40	41.20	74	1.24	1.24	0.41
302	12+750	RHS	Cut	6.44	3.22	64.43	32.22	58	0.97	0.97	0.32
303	12+760	RHS	Cut	7.52	3.76	75.15	37.58	68	1.13	1.13	0.38
304	12+770	RHS	Cut	5.01	2.51	50.13	25.07	45	0.75	0.75	0.25
305	12+820	RHS	Cut	9.36	4.68	93.56	46.78	84	1.40	1.40	0.47
306	12+830	RHS	Cut	9.19	4.59	91.85	45.93	83	1.38	1.38	0.46
307	12+840	RHS	Cut	8.58	4.29	85.79	42.90	77	1.29	1.29	0.43
308	12+850	RHS	Cut	6.50	3.25	65.02	32.51	59	0.98	0.98	0.33
309	12+860	RHS	Cut	6.87	3.44	68.71	34.36	62	1.03	1.03	0.34
310	12+870	RHS	Cut	7.81	3.91	78.11	39.06	70	1.17	1.17	0.39
311	12+880	RHS	Cut	12.33	6.16	123.26	61.63	111	1.85	1.85	0.62
312	12+890	RHS	Cut	11.83	5.91	118.29	59.15	106	1.77	1.77	0.59
313	12+900	RHS	Cut	7.48	3.74	74.82	37.41	67	1.12	1.12	0.37
314	12+910	RHS	Cut	15.29	7.64	152.86	76.43	138	2.29	2.29	0.76
315	12+920	RHS	Cut	21.99	10.99	219.87	109.93	198	3.30	3.30	1.10
316	12+930	RHS	Cut	20.01	10.00	200.09	100.04	180	3.00	3.00	1.00
317	12+940	RHS	Cut	20.63	10.31	206.26	103.13	186	3.09	3.09	1.03
318	12+950	RHS	Cut	20.33	10.17	203.33	101.67	183	3.05	3.05	1.02
319	12+960	RHS	Cut	14.01	7.00	140.07	70.04	126	2.10	2.10	0.70
320	12+970	RHS	Cut	14.00	7.00	139.97	69.98	126	2.10	2.10	0.70
321	12+980	RHS	Cut	22.71	11.35	227.08	113.54	204	3.41	3.41	1.14
322	12+990	RHS	Cut	20.90	10.45	209.00	104.50	188	3.14	3.14	1.05
323	13+000	RHS	Cut	14.91	7.45	149.06	74.53	134	2.24	2.24	0.75
324	13+010	RHS	Cut	5.21	2.61	52.10	26.05	47	0.78	0.78	0.26
325	13+020	RHS	Cut	5.22	2.61	52.23	26.12	47	0.78	0.78	0.26
326	13+030	RHS	Cut	13.03	6.52	130.32	65.16	117	1.95	1.95	0.65
327	13+040	RHS	Cut	12.77	6.39	127.71	63.85	115	1.92	1.92	0.64
328	13+050	RHS	Cut	8.45	4.23	84.53	42.27	76	1.27	1.27	0.42
329	13+060	RHS	Cut	8.91	4.45	89.08	44.54	80	1.34	1.34	0.45
330	13+070	RHS	Cut	9.34	4.67	93.35	46.68	84	1.40	1.40	0.47
331	13+080	RHS	Cut	10.18	5.09	101.75	50.88	92	1.53	1.53	0.51
332	13+090	RHS	Cut	10.40	5.20	103.99	52.00	94	1.56	1.56	0.52
333	13+100	RHS	Cut	13.00	6.50	130.01	65.00	117	1.95	1.95	0.65
334	13+110	RHS	Cut	12.74	6.37	127.38	63.69	115	1.91	1.91	0.64
335	13+130	RHS	Cut	11.68	5.84	116.77	58.39	105	1.75	1.75	0.58
336	13+140	RHS	Cut	10.34	5.17	103.42	51.71	93	1.55	1.55	0.52
337	13+150	RHS	Cut	11.81	5.90	118.06	59.03	106	1.77	1.77	0.59
338	13+160	RHS	Cut	13.27	6.63	132.70	66.35	119	1.99	1.99	0.66
339	13+170	LHS/RHS	Cut-Cut	18.90	9.45	189.03	94.52	170	2.84	2.84	0.95
340	13+180	RHS	Cut	11.81	5.91	118.14	59.07	106	1.77	1.77	0.59
341	13+190	RHS	Cut	8.90	4.45	89.03	44.52	80	1.34	1.34	0.45
342	13+200	RHS	Cut	7.87	3.93	78.67	39.34	71	1.18	1.18	0.39
343	13+210	RHS	Cut	6.28	3.14	62.76	31.38	56	0.94	0.94	0.31
344	13+220	RHS	Cut	5.40	2.70	54.02	27.01	49	0.81	0.81	0.27
345	13+360	RHS	Cut	7.57	3.78	75.68	37.84	68	1.14	1.14	0.38
346	13+370	RHS	Cut	10.59	5.29	105.85	52.93	95	1.59	1.59	0.53
347	13+380	RHS	Cut	9.56	4.78	95.56	47.78	86	1.43	1.43	0.48
348	13+490	RHS	Cut	5.57	2.78	55.66	27.83	50	0.83	0.83	0.28
349	13+500	RHS	Cut	5.61	2.80	56.07	28.04	50	0.84	0.84	0.28
350	13+510	RHS	Cut	10.18	5.09	101.81	50.91	92	1.53	1.53	0.51
351	13+560	RHS	Cut	18.78	9.39	275.33	137.66	248	4.13	4.13	1.38
352	13+570	RHS	Cut	26.90	13.45	139.86	69.93	126	2.10	2.10	0.70
353	13+580	RHS	Cut	29.16	14.58	107.31	53.66	97	1.61	1.61	0.54
354	13+590	RHS	Cut	30.84	15.42	60.81	30.41	55	0.91	0.91	0.30

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Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
355	13+600	RHS	Cut	27.53	13.77	133.30	66.65	120	2.00	2.00	0.67
356	13+610	RHS	Cut	13.99	6.99	94.16	47.08	85	1.41	1.41	0.47
357	13+770	RHS	Cut	10.73	5.37	58.96	29.48	53	0.88	0.88	0.29
358	13+780	RHS	Cut	6.08	3.04	60.64	30.32	55	0.91	0.91	0.30
359	13+790	RHS	Cut	13.33	6.67	64.12	32.06	58	0.96	0.96	0.32
360	13+800	RHS	Cut	9.42	4.71	64.81	32.41	58	0.97	0.97	0.32
361	14+030	RHS	Cut	5.90	2.95	57.28	28.64	52	0.86	0.86	0.29
362	14+050	RHS	Cut	6.06	3.03	65.05	32.53	59	0.98	0.98	0.33
363	14+200	RHS	Cut	6.41	3.21	64.96	32.48	58	0.97	0.97	0.32
364	14+210	RHS	Cut	6.48	3.24	92.43	46.22	83	1.39	1.39	0.46
365	14+220	RHS	Cut	5.73	2.86	93.03	46.52	84	1.40	1.40	0.47
366	14+230	RHS	Cut	6.51	3.25	116.03	58.02	104	1.74	1.74	0.58
367	14+240	RHS	Cut	6.50	3.25	105.04	52.52	95	1.58	1.58	0.53
368	14+250	RHS	Cut	9.24	4.62	95.87	47.94	86	1.44	1.44	0.48
369	14+260	RHS	Cut	9.30	4.65	87.30	43.65	79	1.31	1.31	0.44
370	14+270	RHS	Cut	11.60	5.80	50.76	25.38	46	0.76	0.76	0.25
371	14+280	RHS	Cut	10.50	5.25	123.79	61.90	111	1.86	1.86	0.62
372	14+290	RHS	Cut	9.59	4.79	78.87	39.44	71	1.18	1.18	0.39
373	14+300	RHS	Cut	8.73	4.37	150.78	75.39	136	2.26	2.26	0.75
374	14+310	RHS	Cut	5.08	2.54	161.34	80.67	145	2.42	2.42	0.81
375	14+320	RHS	Cut	12.38	6.19	144.59	72.29	130	2.17	2.17	0.72
376	14+330	RHS	Cut	7.89	3.94	108.57	54.29	98	1.63	1.63	0.54
377	14+340	RHS	Cut	15.08	7.54	85.79	42.90	77	1.29	1.29	0.43
378	14+460	RHS	Cut	16.13	8.07	65.26	32.63	59	0.98	0.98	0.33
379	14+470	RHS	Cut	14.46	7.23	68.38	34.19	62	1.03	1.03	0.34
380	14+480	RHS	Cut	10.86	5.43	70.44	35.22	63	1.06	1.06	0.35
381	14+490	RHS	Cut	8.58	4.29	71.64	35.82	64	1.07	1.07	0.36
382	14+500	RHS	Cut	6.53	3.26	63.07	31.54	57	0.95	0.95	0.32
383	14+510	RHS	Cut	6.84	3.42	66.99	33.50	60	1.00	1.00	0.33
384	14+520	RHS	Cut	7.04	3.52	64.02	32.01	58	0.96	0.96	0.32
385	14+530	RHS	Cut	7.16	3.58	56.54	28.27	51	0.85	0.85	0.28
386	14+750	RHS	Cut	6.31	3.15	52.76	26.38	47	0.79	0.79	0.26
387	14+760	RHS	Cut	6.70	3.35	61.31	30.66	55	0.92	0.92	0.31
388	14+800	RHS	Cut	6.40	3.20	50.07	25.04	45	0.75	0.75	0.25
389	14+830	RHS	Cut	5.65	2.83	53.62	26.81	48	0.80	0.80	0.27
390	14+890	RHS	Cut	5.28	2.64	50.11	25.06	45	0.75	0.75	0.25
391	15+170	RHS	Cut	6.13	3.07	52.41	26.21	47	0.79	0.79	0.26
392	15+220	RHS	Cut	5.01	2.50	62.57	31.29	56	0.94	0.94	0.31
393	15+230	RHS	Cut	5.36	2.68	81.13	40.57	73	1.22	1.22	0.41
394	15+240	RHS	Cut	5.01	2.51	86.94	43.47	78	1.30	1.30	0.43
395	15+250	RHS	Cut	5.24	2.62	106.66	53.33	96	1.60	1.60	0.53
396	15+890	RHS	Cut	6.26	3.13	55.08	27.54	50	0.83	0.83	0.28
397	15+910	RHS	Cut	8.11	4.06	58.32	29.16	52	0.87	0.87	0.29
398	16+040	RHS	Cut	8.69	4.35	53.88	26.94	48	0.81	0.81	0.27
399	16+050	RHS	Cut	10.67	5.33	54.00	27.00	49	0.81	0.81	0.27
400	16+060	RHS	Cut	5.51	2.75	58.04	29.02	52	0.87	0.87	0.29
401	16+070	RHS	Cut	5.83	2.92	66.15	33.08	60	0.99	0.99	0.33
402	16+080	RHS	Cut	5.39	2.69	69.78	34.89	63	1.05	1.05	0.35
403	16+110	RHS	Cut	5.40	2.70	63.47	31.74	57	0.95	0.95	0.32
404	16+120	RHS	Cut	5.80	2.90	58.43	29.22	53	0.88	0.88	0.29
405	16+130	RHS	Cut	6.62	3.31	60.16	30.08	54	0.90	0.90	0.30
406	16+140	RHS	Cut	6.98	3.49	60.44	30.22	54	0.91	0.91	0.30
407	16+150	RHS	Cut	6.35	3.17	59.88	29.94	54	0.90	0.90	0.30
408	16+160	RHS	Cut	5.84	2.92	65.87	32.94	59	0.99	0.99	0.33
409	16+170	RHS	Cut	6.02	3.01	58.59	29.30	53	0.88	0.88	0.29
410	16+180	RHS	Cut	6.04	3.02	53.94	26.97	49	0.81	0.81	0.27
411	16+190	RHS	Cut	5.99	2.99	53.39	26.70	48	0.80	0.80	0.27
412	16+400	RHS	Cut	6.59	3.29	51.77	25.89	47	0.78	0.78	0.26
413	16+420	RHS	Cut	5.86	2.93	56.02	28.01	50	0.84	0.84	0.28

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
414	16+430	RHS	Cut	5.39	2.70	54.15	27.08	49	0.81	0.81	0.27
415	16+440	RHS	Cut	5.34	2.67	88.73	44.37	80	1.33	1.33	0.44
416	16+450	RHS	Cut	5.18	2.59	87.64	43.82	79	1.31	1.31	0.44
417	16+460	RHS	Cut	5.60	2.80	87.19	43.60	78	1.31	1.31	0.44
418	16+470	RHS	Cut	5.42	2.71	52.90	26.45	48	0.79	0.79	0.26
419	16+680	RHS	Cut	8.87	4.44	58.19	29.10	52	0.87	0.87	0.29
420	16+690	RHS	Cut	8.76	4.38	71.08	35.54	64	1.07	1.07	0.36
421	16+700	RHS	Cut	8.72	4.36	52.55	26.28	47	0.79	0.79	0.26
422	16+730	RHS	Cut	5.29	2.65	60.13	30.07	54	0.90	0.90	0.30
423	16+780	RHS	Cut	5.82	2.91	50.21	25.11	45	0.75	0.75	0.25
424	16+840	RHS	Cut	7.11	3.55	52.95	26.48	48	0.79	0.79	0.26
425	16+850	RHS	Cut	5.26	2.63	53.03	26.52	48	0.80	0.80	0.27
426	16+860	RHS	Cut	6.01	3.01	57.48	28.74	52	0.86	0.86	0.29
427	16+870	RHS	Cut	5.02	2.51	55.97	27.99	50	0.84	0.84	0.28
428	16+880	RHS	Cut	5.30	2.65	61.80	30.90	56	0.93	0.93	0.31
429	16+910	RHS	Cut	5.30	2.65	61.65	30.83	55	0.92	0.92	0.31
430	17+040	RHS	Cut	5.75	2.87	66.98	33.49	60	1.00	1.00	0.33
431	17+050	RHS	Cut	5.60	2.80	63.59	31.80	57	0.95	0.95	0.32
432	17+060	RHS	Cut	6.18	3.09	66.25	33.13	60	0.99	0.99	0.33
433	17+070	RHS	Cut	6.17	3.08	61.96	30.98	56	0.93	0.93	0.31
434	17+080	RHS	Cut	6.70	3.35	67.95	33.98	61	1.02	1.02	0.34
435	17+090	RHS	Cut	6.36	3.18	64.97	32.49	58	0.97	0.97	0.32
436	17+320	RHS	Cut	6.63	3.31	66.14	33.07	60	0.99	0.99	0.33
437	17+330	RHS	Cut	6.20	3.10	95.51	47.76	86	1.43	1.43	0.48
438	17+340	RHS	Cut	6.80	3.40	75.04	37.52	68	1.13	1.13	0.38
439	17+350	RHS	Cut	6.50	3.25	61.36	30.68	55	0.92	0.92	0.31
440	17+470	RHS	Cut	6.61	3.31	53.45	26.73	48	0.80	0.80	0.27
441	17+480	RHS	Cut	9.55	4.78	71.64	35.82	64	1.07	1.07	0.36
442	17+490	RHS	Cut	7.50	3.75	63.00	31.50	57	0.95	0.95	0.32
443	17+500	RHS	Cut	6.14	3.07	50.44	25.22	45	0.76	0.76	0.25
444	17+560	LHS	Cut	5.35	2.67	79.57	39.79	72	1.19	1.19	0.40
446	17+570	LHS	Cut	7.16	3.58	81.46	40.73	73	1.22	1.22	0.41
447	17+580	LHS	Cut	6.30	3.15	50.94	25.47	46	0.76	0.76	0.25
448	17+620	LHS	Cut	5.04	2.52	72.89	36.45	66	1.09	1.09	0.36
449	17+630	LHS	Cut	7.96	3.98	71.62	35.81	64	1.07	1.07	0.36
450	17+700	RHS	Cut	8.15	4.07	111.79	55.90	101	1.68	1.68	0.56
451	17+710	RHS	Cut	5.09	2.55	145.05	72.52	131	2.18	2.18	0.73
452	17+720	RHS	Cut	7.29	3.64	132.14	66.07	119	1.98	1.98	0.66
453	17+730	RHS	Cut	7.16	3.58	73.07	36.54	66	1.10	1.10	0.37
454	17+820	LHS	Cut	11.18	5.59	153.94	76.97	139	2.31	2.31	0.77
455	17+830	LHS	Cut	14.50	7.25	135.94	67.97	122	2.04	2.04	0.68
456	17+840	LHS	Cut	13.21	6.61	81.57	40.79	73	1.22	1.22	0.41
457	17+850	LHS	Cut	7.31	3.65	63.91	31.96	58	0.96	0.96	0.32
458	17+860	LHS	Cut	15.39	7.70	88.82	44.41	80	1.33	1.33	0.44
459	17+890	LHS	Cut	13.59	6.80	55.93	27.97	50	0.84	0.84	0.28
460	17+900	LHS	Cut	8.16	4.08	70.41	35.21	63	1.06	1.06	0.35
461	17+910	LHS	Cut	6.39	3.20	55.19	27.60	50	0.83	0.83	0.28
462	17+920	LHS	Cut	8.88	4.44	52.92	26.46	48	0.79	0.79	0.26
463	17+930	LHS	Cut	5.59	2.80	54.85	27.43	49	0.82	0.82	0.27
464	17+940	LHS	Cut	7.04	3.52	72.90	36.45	66	1.09	1.09	0.36
465	17+950	LHS	Cut	5.52	2.76	104.51	52.25	94	1.57	1.57	0.52
466	17+960	LHS	Cut	5.29	2.65	99.27	49.64	89	1.49	1.49	0.50
467	17+970	LHS	Cut	5.49	2.74	106.69	53.35	96	1.60	1.60	0.53
468	17+980	LHS	Cut	7.29	3.65	115.97	57.98	104	1.74	1.74	0.58
469	17+990	LHS	Cut	10.45	5.23	139.62	69.81	126	2.09	2.09	0.70
470	18+010	LHS	Cut	9.93	4.96	62.36	31.18	56	0.94	0.94	0.31
471	18+060	RHS	Cut	10.67	5.33	148.32	74.16	133	2.22	2.22	0.74
472	18+070	RHS	Cut	11.60	5.80	111.10	55.55	100	1.67	1.67	0.56
473	18+080	RHS	Cut	13.96	6.98	76.15	38.08	69	1.14	1.14	0.38

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Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
474	18+090	RHS	Cut	6.24	3.12	62.55	31.28	56	0.94	0.94	0.31
475	18+100	RHS	Cut	14.83	7.42	77.13	38.57	69	1.16	1.16	0.39
476	18+110	RHS	Cut	11.11	5.55	78.92	39.46	71	1.18	1.18	0.39
477	18+120	RHS	Cut	7.62	3.81	82.88	41.44	75	1.24	1.24	0.41
478	18+130	RHS	Cut	6.26	3.13	58.58	29.29	53	0.88	0.88	0.29
479	18+180	RHS	Cut	7.71	3.86	60.98	30.49	55	0.91	0.91	0.30
480	18+190	RHS	Cut	7.89	3.95	61.49	30.75	55	0.92	0.92	0.31
481	18+200	RHS	Cut	8.29	4.14	55.71	27.86	50	0.84	0.84	0.28
482	18+260	LHS	Cut	5.86	2.93	125.60	62.80	113	1.88	1.88	0.63
483	18+270	LHS	Cut	6.10	3.05	123.48	61.74	111	1.85	1.85	0.62
484	18+280	LHS	Cut	6.15	3.07	62.47	31.24	56	0.94	0.94	0.31
485	18+290	LHS	Cut	5.57	2.79	76.32	38.16	69	1.14	1.14	0.38
486	18+300	LHS	Cut	12.56	6.28	67.81	33.91	61	1.02	1.02	0.34
487	18+310	LHS	Cut	12.35	6.17	62.24	31.12	56	0.93	0.93	0.31
488	18+330	LHS	Cut	6.25	3.12	65.17	32.59	59	0.98	0.98	0.33
489	18+340	LHS	Cut	7.63	3.82	90.45	45.23	81	1.36	1.36	0.45
490	18+350	LHS	Cut	6.78	3.39	105.89	52.95	95	1.59	1.59	0.53
491	18+360	LHS	Cut	6.22	3.11	74.96	37.48	67	1.12	1.12	0.37
492	18+370	LHS	Cut	6.52	3.26	59.57	29.79	54	0.89	0.89	0.30
493	18+380	LHS	Cut	9.05	4.52	56.29	28.15	51	0.84	0.84	0.28
494	18+400	LHS	Cut	10.59	5.29	53.33	26.67	48	0.80	0.80	0.27
495	18+410	LHS	Cut	7.50	3.75	50.80	25.40	46	0.76	0.76	0.25
496	18+470	RHS	Cut	5.96	2.98	66.54	33.27	60	1.00	1.00	0.33
497	18+480	RHS	Cut	5.63	2.81	127.13	63.56	114	1.91	1.91	0.64
498	18+490	RHS	Cut	5.33	2.67	112.89	56.45	102	1.69	1.69	0.56
499	18+500	RHS	Cut	5.08	2.54	78.24	39.12	70	1.17	1.17	0.39
500	18+510	RHS	Cut	6.65	3.33	54.75	27.38	49	0.82	0.82	0.27
501	18+540	RHS	Cut	12.71	6.36	52.27	26.14	47	0.78	0.78	0.26
502	18+630	RHS	Cut	11.29	5.64	58.18	29.09	52	0.87	0.87	0.29
503	18+640	RHS	Cut	7.82	3.91	60.35	30.18	54	0.91	0.91	0.30
504	18+650	RHS	Cut	5.48	2.74	71.90	35.95	65	1.08	1.08	0.36
505	18+660	RHS	Cut	5.23	2.61	118.85	59.42	107	1.78	1.78	0.59
506	18+670	RHS	Cut	5.82	2.91	128.67	64.34	116	1.93	1.93	0.64
507	18+680	RHS	Cut	6.04	3.02	123.89	61.94	111	1.86	1.86	0.62
508	18+690	RHS	Cut	7.19	3.60	115.84	57.92	104	1.74	1.74	0.58
509	18+700	RHS	Cut	11.88	5.94	98.54	49.27	89	1.48	1.48	0.49
510	18+710	RHS	Cut	12.87	6.43	72.65	36.33	65	1.09	1.09	0.36
511	18+720	RHS	Cut	12.39	6.19	60.39	30.20	54	0.91	0.91	0.30
512	18+760	RHS	Cut	11.58	5.79	111.14	55.57	100	1.67	1.67	0.56
513	18+770	RHS	Cut	9.85	4.93	127.73	63.87	115	1.92	1.92	0.64
514	18+780	RHS	Cut	7.27	3.63	137.76	68.88	124	2.07	2.07	0.69
515	18+790	RHS	Cut	6.04	3.02	150.65	75.32	136	2.26	2.26	0.75
516	18+800	RHS	Cut	11.11	5.56	161.72	80.86	146	2.43	2.43	0.81
517	18+810	RHS	Cut	12.77	6.39	121.88	60.94	110	1.83	1.83	0.61
518	18+820	RHS	Cut	13.78	6.89	112.03	56.02	101	1.68	1.68	0.56
519	18+830	RHS	Cut	15.06	7.53	141.57	70.78	127	2.12	2.12	0.71
520	18+840	RHS	Cut	16.17	8.09	164.08	82.04	148	2.46	2.46	0.82
521	18+850	RHS	Cut	12.19	6.09	133.46	66.73	120	2.00	2.00	0.67
522	18+860	RHS	Cut	11.20	5.60	113.47	56.73	102	1.70	1.70	0.57
523	18+870	RHS	Cut	14.16	7.08	128.47	64.24	116	1.93	1.93	0.64
524	18+880	RHS	Cut	16.41	8.20	129.21	64.60	116	1.94	1.94	0.65
525	18+890	RHS	Cut	13.35	6.67	123.43	61.72	111	1.85	1.85	0.62
526	18+900	RHS	Cut	11.35	5.67	131.03	65.51	118	1.97	1.97	0.66
527	18+910	RHS	Cut	12.85	6.42	122.91	61.46	111	1.84	1.84	0.61
528	18+920	RHS	Cut	12.92	6.46	156.54	78.27	141	2.35	2.35	0.78
529	18+930	RHS	Cut	12.34	6.17	163.93	81.96	148	2.46	2.46	0.82
530	18+940	RHS	Cut	13.10	6.55	204.59	102.30	184	3.07	3.07	1.02
531	18+950	RHS	Cut	12.29	6.15	165.13	82.56	149	2.48	2.48	0.83
532	18+960	RHS	Cut	15.65	7.83	109.79	54.90	99	1.65	1.65	0.55

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
533	18+970	RHS	Cut	16.39	8.20	112.20	56.10	101	1.68	1.68	0.56
534	18+980	RHS	Cut	20.46	10.23	300.67	150.34	271	4.51	4.51	1.50
535	18+990	RHS	Cut	16.51	8.26	258.14	129.07	232	3.87	3.87	1.29
536	19+000	RHS	Cut	10.98	5.49	236.51	118.26	213	3.55	3.55	1.18
537	19+010	RHS	Cut	11.22	5.61	219.96	109.98	198	3.30	3.30	1.10
538	19+020	RHS	Cut	30.07	15.03	223.08	111.54	201	3.35	3.35	1.12
539	19+030	RHS	Cut	25.81	12.91	196.65	98.32	177	2.95	2.95	0.98
540	19+040	RHS	Cut	23.65	11.83	130.46	65.23	117	1.96	1.96	0.65
541	19+050	RHS	Cut	22.00	11.00	128.85	64.42	116	1.93	1.93	0.64
542	19+060	RHS	Cut	22.31	11.15	148.20	74.10	133	2.22	2.22	0.74
543	19+070	RHS	Cut	19.66	9.83	157.48	78.74	142	2.36	2.36	0.79
544	19+080	RHS	Cut	13.05	6.52	155.37	77.69	140	2.33	2.33	0.78
545	19+090	RHS	Cut	12.88	6.44	162.49	81.24	146	2.44	2.44	0.81
546	19+100	RHS	Cut	14.82	7.41	214.29	107.15	193	3.21	3.21	1.07
547	19+110	RHS	Cut	15.75	7.87	158.54	79.27	143	2.38	2.38	0.79
548	19+120	RHS	Cut	15.54	7.77	115.04	57.52	104	1.73	1.73	0.58
549	19+160	RHS	Cut	16.25	8.12	58.31	29.16	52	0.87	0.87	0.29
550	19+200	RHS	Cut	21.43	10.71	55.47	27.74	50	0.83	0.83	0.28
551	19+400	RHS	Cut	15.85	7.93	51.88	25.94	47	0.78	0.78	0.26
552	19+410	RHS	Cut	11.50	5.75	61.01	30.51	55	0.92	0.92	0.31
553	19+420	RHS	Cut	5.83	2.92	54.41	27.21	49	0.82	0.82	0.27
554	19+660	RHS	Cut	5.55	2.77	53.43	26.72	48	0.80	0.80	0.27
555	19+670	RHS	Cut	5.19	2.59	50.21	25.11	45	0.75	0.75	0.25
556	19+690	RHS	Cut	6.10	3.05	55.16	27.58	50	0.83	0.83	0.28
557	19+700	RHS	Cut	5.44	2.72	61.41	30.71	55	0.92	0.92	0.31
558	19+740	RHS	Cut	5.34	2.67	51.92	25.96	47	0.78	0.78	0.26
559	19+750	RHS	Cut	5.02	2.51	50.48	25.24	45	0.76	0.76	0.25
560	19+760	RHS	Cut	5.52	2.76	61.09	30.55	55	0.92	0.92	0.31
561	19+770	RHS	Cut	6.14	3.07	65.09	32.55	59	0.98	0.98	0.33
562	19+780	RHS	Cut	5.19	2.60	61.44	30.72	55	0.92	0.92	0.31
563	19+790	RHS	Cut	5.05	2.52	62.54	31.27	56	0.94	0.94	0.31
564	19+800	RHS	Cut	6.11	3.05	58.53	29.27	53	0.88	0.88	0.29
565	19+810	RHS	Cut	6.51	3.25	65.85	32.93	59	0.99	0.99	0.33
566	19+820	RHS	Cut	6.14	3.07	74.00	37.00	67	1.11	1.11	0.37
567	19+830	RHS	Cut	6.25	3.13	79.43	39.72	71	1.19	1.19	0.40
568	19+840	RHS	Cut	5.85	2.93	85.36	42.68	77	1.28	1.28	0.43
569	19+850	RHS	Cut	6.59	3.29	57.45	28.73	52	0.86	0.86	0.29
570	19+920	RHS	Cut	7.40	3.70	52.70	26.35	47	0.79	0.79	0.26
571	19+930	RHS	Cut	7.94	3.97	53.94	26.97	49	0.81	0.81	0.27
572	20+010	RHS	Cut	8.54	4.27	60.12	30.06	54	0.90	0.90	0.30
573	20+020	RHS	Cut	5.75	2.87	77.17	38.59	69	1.16	1.16	0.39
574	20+030	RHS	Cut	5.27	2.64	84.20	42.10	76	1.26	1.26	0.42
575	20+040	RHS	Cut	5.39	2.70	109.57	54.79	99	1.64	1.64	0.55
576	20+050	RHS	Cut	6.01	3.01	96.58	48.29	87	1.45	1.45	0.48
577	20+060	RHS	Cut	7.72	3.86	50.43	25.22	45	0.76	0.76	0.25
578	20+090	RHS	Cut	8.42	4.21	72.80	36.40	66	1.09	1.09	0.36
579	20+100	RHS	Cut	10.96	5.48	79.18	39.59	71	1.19	1.19	0.40
580	20+110	RHS	Cut	9.66	4.83	81.75	40.88	74	1.23	1.23	0.41
581	20+120	RHS	Cut	5.04	2.52	88.07	44.04	79	1.32	1.32	0.44
582	20+130	RHS	Cut	7.28	3.64	143.17	71.59	129	2.15	2.15	0.72
583	20+140	RHS	Cut	7.92	3.96	157.57	78.78	142	2.36	2.36	0.79
584	20+150	RHS	Cut	8.18	4.09	116.68	58.34	105	1.75	1.75	0.58
585	20+160	RHS	Cut	8.81	4.40	90.66	45.33	82	1.36	1.36	0.45
586	20+170	RHS	Cut	14.32	7.16	68.46	34.23	62	1.03	1.03	0.34
587	20+180	RHS	Cut	15.76	7.88	55.29	27.65	50	0.83	0.83	0.28
588	20+190	RHS	Cut	11.67	5.83	58.71	29.36	53	0.88	0.88	0.29
589	20+200	RHS	Cut	9.07	4.53	56.95	28.48	51	0.85	0.85	0.28
590	20+210	RHS	Cut	6.85	3.42	51.43	25.72	46	0.77	0.77	0.26
591	20+220	RHS	Cut	5.529	2.76	75.92	37.96	68	1.14	1.14	0.38

Government of Nepal
Ministry of Federal Affairs and Government Relations
Department of Local Infrastructure
Rural Connectivity Improvement Project (RCIP)
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Singha Durbar, Kathmandu

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
592	20+230	RHS	Cut	5.871	2.94	147.15	73.57	132	2.21	2.21	0.74
593	20+240	RHS	Cut	5.695	2.85	202.22	101.11	182	3.03	3.03	1.01
594	20+250	RHS	Cut	5.143	2.57	148.13	74.07	133	2.22	2.22	0.74
595	20+260	RHS	Cut	7.592	3.80	119.08	59.54	107	1.79	1.79	0.60
596	20+270	RHS	Cut	14.71453	7.36	85.23	42.62	77	1.28	1.28	0.43
597	20+280	RHS	Cut	20.22163	10.11	67.11	33.56	60	1.01	1.01	0.34
598	20+290	RHS	Cut	14.813	7.41	58.15	29.08	52	0.87	0.87	0.29
599	20+400	RHS	Cut	11.90759	5.95	55.25	27.63	50	0.83	0.83	0.28
600	20+410	RHS	Cut	8.523	4.26	50.68	25.34	46	0.76	0.76	0.25
601	20+420	RHS	Cut	6.711	3.36	53.96	26.98	49	0.81	0.81	0.27
602	20+430	RHS	Cut	5.815	2.91	60.40	30.20	54	0.91	0.91	0.30
603	20+440	RHS	Cut	5.525	2.76	61.70	30.85	56	0.93	0.93	0.31
604	20+450	RHS	Cut	5.068	2.53	64.77	32.39	58	0.97	0.97	0.32
605	20+460	RHS	Cut	5.396	2.70	64.72	32.36	58	0.97	0.97	0.32
606	20+470	RHS	Cut	6.04	3.02	66.21	33.11	60	0.99	0.99	0.33
607	20+480	RHS	Cut	6.17	3.09	59.20	29.60	53	0.89	0.89	0.30
608	20+490	RHS	Cut	6.477	3.24	50.08	25.04	45	0.75	0.75	0.25
609	20+520	RHS	Cut	6.472	3.24	56.22	28.11	51	0.84	0.84	0.28
610	20+540	RHS	Cut	6.621	3.31	60.89	30.45	55	0.91	0.91	0.30
611	20+550	RHS	Cut	5.92	2.96	58.56	29.28	53	0.88	0.88	0.29
612	20+560	RHS	Cut	5.008	2.50	73.12	36.56	66	1.10	1.10	0.37
613	20+570	RHS	Cut	5.622	2.81	83.28	41.64	75	1.25	1.25	0.42
614	20+580	RHS	Cut	6.089	3.04	79.03	39.52	71	1.19	1.19	0.40
615	20+590	RHS	Cut	5.856	2.93	72.44	36.22	65	1.09	1.09	0.36
616	20+600	RHS	Cut	7.312	3.66	72.26	36.13	65	1.08	1.08	0.36
617	20+610	RHS	Cut	8.328	4.16	67.77	33.89	61	1.02	1.02	0.34
618	20+620	RHS	Cut	7.903	3.95	65.11	32.56	59	0.98	0.98	0.33
619	20+630	RHS	Cut	7.244	3.62	105.72	52.86	95	1.59	1.59	0.53
620	20+640	RHS	Cut	7.226	3.61	80.48	40.24	72	1.21	1.21	0.40
621	20+650	RHS	Cut	6.777	3.39	88.38	44.19	80	1.33	1.33	0.44
622	20+660	RHS	Cut	6.511	3.26	80.65	40.33	73	1.21	1.21	0.40
623	20+670	RHS	Cut	10.57204	5.29	77.21	38.61	69	1.16	1.16	0.39
624	20+680	RHS	Cut	8.048	4.02	94.41	47.21	85	1.42	1.42	0.47
625	20+690	LHS/RHS	Cut-Cut	8.838	4.42	158.78	79.39	143	2.38	2.38	0.79
626	20+700	RHS	Cut	8.065	4.03	87.26	43.63	79	1.31	1.31	0.44
627	20+740	RHS	Cut	7.721	3.86	53.69	26.85	48	0.81	0.81	0.27
628	20+770	RHS	Cut	9.441	4.72	55.59	27.80	50	0.83	0.83	0.28
629	20+780	RHS	Cut	15.878	7.94	68.71	34.36	62	1.03	1.03	0.34
630	20+790	RHS	Cut	8.726	4.36	79.91	39.96	72	1.20	1.20	0.40
631	20+800	RHS	Cut	5.369	2.68	76.28	38.14	69	1.14	1.14	0.38
632	20+860	RHS	Cut	5.559	2.78	53.42	26.71	48	0.80	0.80	0.27
633	20+870	RHS	Cut	6.871	3.44	69.98	34.99	63	1.05	1.05	0.35
634	20+880	RHS	Cut	7.991	4.00	82.27	41.14	74	1.23	1.23	0.41
635	20+890	RHS	Cut	7.628	3.81	73.78	36.89	66	1.11	1.11	0.37
636	20+900	RHS	Cut	5.342	2.67	66.64	33.32	60	1.00	1.00	0.33
637	20+910	RHS	Cut	6.998	3.50	67.68	33.84	61	1.02	1.02	0.34
638	20+920	RHS	Cut	8.227	4.11	71.63	35.82	64	1.07	1.07	0.36
639	21+050	RHS	Cut	7.378	3.69	51.89	25.95	47	0.78	0.78	0.26
640	21+060	RHS	Cut	6.664	3.33	55.48	27.74	50	0.83	0.83	0.28
641	21+070	RHS	Cut	6.768	3.38	57.61	28.81	52	0.86	0.86	0.29
642	21+120	RHS	Cut	7.163	3.58	52.64	26.32	47	0.79	0.79	0.26
643	21+130	RHS	Cut	5.189	2.59	56.87	28.44	51	0.85	0.85	0.28
644	21+140	RHS	Cut	5.548	2.77	60.14	30.07	54	0.90	0.90	0.30
645	21+190	RHS	Cut	5.761	2.88	52.35	26.18	47	0.79	0.79	0.26
646	21+610	RHS	Cut	5.264	2.63	53.97	26.99	49	0.81	0.81	0.27
647	21+620	RHS	Cut	5.687	2.84	62.07	31.04	56	0.93	0.93	0.31
648	21+630	RHS	Cut	6.014	3.01	50.99	25.50	46	0.76	0.76	0.25
649	21+980	RHS	Cut	5.235	2.62	64.59	32.30	58	0.97	0.97	0.32
650	22+010	RHS	Cut	5.397	2.70	65.11	32.56	59	0.98	0.98	0.33

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
651	22+030	RHS	Cut	6.207	3.10	58.88	29.44	53	0.88	0.88	0.29
652	22+070	RHS	Cut	5.099	2.55	60.59	30.30	55	0.91	0.91	0.30
653	22+080	RHS	Cut	6.459	3.23	74.94	37.47	67	1.12	1.12	0.37
654	22+100	RHS	Cut	6.511	3.26	67.27	33.64	61	1.01	1.01	0.34
655	22+110	RHS	Cut	5.888	2.94	58.96	29.48	53	0.88	0.88	0.29
656	22+120	RHS	Cut	6.059	3.03	73.73	36.87	66	1.11	1.11	0.37
657	22+130	RHS	Cut	7.494	3.75	60.53	30.27	54	0.91	0.91	0.30
658	22+140	RHS	Cut	6.727	3.36	50.07	25.04	45	0.75	0.75	0.25
659	22+200	RHS	Cut	5.896	2.95	52.17	26.09	47	0.78	0.78	0.26
660	22+240	RHS	Cut	7.373	3.69	67.63	33.82	61	1.01	1.01	0.34
661	22+410	RHS	Cut	6.053	3.03	52.60	26.30	47	0.79	0.79	0.26
662	22+440	RHS	Cut	5.007	2.50	63.41	31.71	57	0.95	0.95	0.32
663	22+450	RHS	Cut	5.217	2.61	53.38	26.69	48	0.80	0.80	0.27
664	22+460	RHS	Cut	6.763	3.38	70.14	35.07	63	1.05	1.05	0.35
665	22+640	RHS	Cut	5.26	2.63	59.11	29.56	53	0.89	0.89	0.30
666	22+650	RHS	Cut	6.341	3.17	55.04	27.52	50	0.83	0.83	0.28
667	22+710	LHS	Cut	5.338	2.67	57.83	28.92	52	0.87	0.87	0.29
668	22+720	LHS	Cut	7.014	3.51	63.01	31.51	57	0.95	0.95	0.32
669	22+950	RHS	Cut	5.911	2.96	61.31	30.66	55	0.92	0.92	0.31
670	22+960	RHS	Cut	5.504	2.75	62.10	31.05	56	0.93	0.93	0.31
671	23+300	RHS	Cut	5.783	2.89	65.43	32.72	59	0.98	0.98	0.33
672	23+310	RHS	Cut	6.301	3.15	66.16	33.08	60	0.99	0.99	0.33
673	23+320	RHS	Cut	6.131	3.07	67.25	33.63	61	1.01	1.01	0.34
674	23+330	LHS/RHS	Cut-Cut	6.21	3.11	114.38	57.19	103	1.72	1.72	0.57
675	23+340	LHS/RHS	Cut-Cut	6.543	3.27	110.85	55.43	100	1.66	1.66	0.55
676	23+350	RHS	Cut	6.616	3.31	51.50	25.75	46	0.77	0.77	0.26
677	23+400	RHS	Cut	6.725	3.36	54.82	27.41	49	0.82	0.82	0.27
678	23+410	RHS	Cut	11.438	5.72	50.22	25.11	45	0.75	0.75	0.25
679	23+420	RHS	Cut	11.085	5.54	52.71	26.36	47	0.79	0.79	0.26
680	23+760	RHS	Cut	5.15	2.58	54.75	27.38	49	0.82	0.82	0.27
681	23+770	RHS	Cut	5.482	2.74	57.47	28.74	52	0.86	0.86	0.29
682	23+780	RHS	Cut	5.022	2.51	64.90	32.45	58	0.97	0.97	0.32
683	23+790	RHS	Cut	5.271	2.64	65.58	32.79	59	0.98	0.98	0.33
684	23+800	RHS	Cut	5.475	2.74	103.70	51.85	93	1.56	1.56	0.52
685	23+810	RHS	Cut	5.747	2.87	108.27	54.13	97	1.62	1.62	0.54
686	23+820	RHS	Cut	6.49	3.25	89.56	44.78	81	1.34	1.34	0.45
687	23+830	RHS	Cut	6.558	3.28	120.13	60.06	108	1.80	1.80	0.60
688	23+840	RHS	Cut	10.3695	5.18	119.40	59.70	107	1.79	1.79	0.60
689	23+850	RHS	Cut	10.82686	5.41	120.69	60.34	109	1.81	1.81	0.60
690	23+860	RHS	Cut	8.956	4.48	111.90	55.95	101	1.68	1.68	0.56
691	23+870	RHS	Cut	12.01289	6.01	120.49	60.24	108	1.81	1.81	0.60
692	23+880	RHS	Cut	11.94021	5.97	105.64	52.82	95	1.58	1.58	0.53
693	23+890	RHS	Cut	12.06892	6.03	72.52	36.26	65	1.09	1.09	0.36
694	23+940	RHS	Cut	11.19031	5.60	51.73	25.87	47	0.78	0.78	0.26
695	23+960	RHS	Cut	12.0485	6.02	109.38	54.69	98	1.64	1.64	0.55
696	23+970	RHS	Cut	10.56354	5.28	128.22	64.11	115	1.92	1.92	0.64
697	23+980	RHS	Cut	7.252	3.63	117.33	58.67	106	1.76	1.76	0.59
698	23+990	RHS	Cut	5.173	2.59	105.51	52.75	95	1.58	1.58	0.53
699	24+000	RHS	Cut	10.93795	5.47	102.84	51.42	93	1.54	1.54	0.51
700	24+010	RHS	Cut	12.82182	6.41	111.58	55.79	100	1.67	1.67	0.56
701	24+020	RHS	Cut	11.73344	5.87	106.79	53.39	96	1.60	1.60	0.53
702	24+030	RHS	Cut	10.55064	5.28	100.11	50.06	90	1.50	1.50	0.50
703	24+040	RHS	Cut	10.28439	5.14	86.89	43.45	78	1.30	1.30	0.43
704	24+050	RHS	Cut	11.15845	5.58	94.75	47.38	85	1.42	1.42	0.47
705	24+060	RHS	Cut	10.67882	5.34	88.34	44.17	80	1.33	1.33	0.44
706	24+070	RHS	Cut	10.01139	5.01	62.61	31.31	56	0.94	0.94	0.31
707	24+090	RHS	Cut	8.689	4.34	63.55	31.78	57	0.95	0.95	0.32
708	24+100	RHS	Cut	9.475	4.74	60.58	30.29	55	0.91	0.91	0.30
709	24+110	RHS	Cut	8.834	4.42	56.72	28.36	51	0.85	0.85	0.28

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Connectivity Improvement Project (CIP)
Project Coordination Unit
Lalitpur



Government of Nepal
Ministry of Federal Affairs and Local Administration
Singha Durbar, Kathmandu

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengin eering	Slope Area	Slope Preparati on	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
710	24+120	RHS	Cut	6.261	3.13	56.86	28.43	51	0.85	0.85	0.28
711	24+130	RHS	Cut	6.355	3.18	60.46	30.23	54	0.91	0.91	0.30
712	24+170	RHS	Cut	6.058	3.03	64.14	32.07	58	0.96	0.96	0.32
713	24+180	RHS	Cut	5.672	2.84	59.30	29.65	53	0.89	0.89	0.30
714	24+190	RHS	Cut	5.686	2.84	54.16	27.08	49	0.81	0.81	0.27
715	24+210	RHS	Cut	6.046	3.02	50.91	25.46	46	0.76	0.76	0.25
716	24+220	RHS	Cut	6.414	3.21	64.21	32.11	58	0.96	0.96	0.32
717	24+230	RHS	Cut	5.93	2.97	65.27	32.64	59	0.98	0.98	0.33
718	24+240	RHS	Cut	5.416	2.71	64.31	32.16	58	0.96	0.96	0.32
719	24+250	RHS	Cut	5.091	2.55	62.06	31.03	56	0.93	0.93	0.31
720	24+530	RHS	Cut	6.421	3.21	68.27	34.14	61	1.02	1.02	0.34
721	24+540	RHS	Cut	6.527	3.26	88.39	44.20	80	1.33	1.33	0.44
722	24+550	RHS	Cut	6.431	3.22	89.52	44.76	81	1.34	1.34	0.45
723	24+560	RHS	Cut	6.206	3.10	85.91	42.96	77	1.29	1.29	0.43
724	24+570	RHS	Cut	6.827	3.41	70.85	35.43	64	1.06	1.06	0.35
725	24+580	RHS	Cut	8.839	4.42	56.89	28.45	51	0.85	0.85	0.28
726	24+590	RHS	Cut	8.952	4.48	59.86	29.93	54	0.90	0.90	0.30
727	24+600	RHS	Cut	8.591	4.30	50.55	25.28	45	0.76	0.76	0.25
728	24+690	RHS	Cut	7.085	3.54	58.22	29.11	52	0.87	0.87	0.29
729	24+700	RHS	Cut	5.689	2.84	63.68	31.84	57	0.96	0.96	0.32
730	24+950	RHS	Cut	5.986	2.99	92.93	46.47	84	1.39	1.39	0.46
731	24+960	RHS	Cut	5.055	2.53	89.00	44.50	80	1.34	1.34	0.45
732	24+970	RHS	Cut	5.822	2.91	54.21	27.11	49	0.81	0.81	0.27
733	25+290	LHS	Cut	6.368	3.18	54.84	27.42	49	0.82	0.82	0.27
734	25+350	RHS	Cut	9.293	4.65	56.93	28.47	51	0.85	0.85	0.28
735	25+410	LHS	Cut	8.9	4.45	102.02	51.01	92	1.53	1.53	0.51
736	25+420	LHS	Cut	5.421	2.71	78.53	39.27	71	1.18	1.18	0.39
737	25+430	LHS	Cut	5.484	2.74	61.66	30.83	55	0.92	0.92	0.31
738	25+500	LHS	Cut	5.693	2.85	50.14	25.07	45	0.75	0.75	0.25
739	25+510	LHS	Cut	10.202	5.10	73.23	36.62	66	1.10	1.10	0.37
740	25+520	LHS	Cut	7.853	3.93	86.81	43.41	78	1.30	1.30	0.43
741	25+530	LHS	Cut	6.166	3.08	62.86	31.43	57	0.94	0.94	0.31
742	25+540	LHS	Cut	5.014	2.51	71.74	35.87	65	1.08	1.08	0.36
743	25+550	LHS	Cut	7.323	3.66	73.93	36.97	67	1.11	1.11	0.37
744	25+560	LHS	Cut	8.681	4.34	86.82	43.41	78	1.30	1.30	0.43
745	25+570	LHS	Cut	6.286	3.14	69.79	34.90	63	1.05	1.05	0.35
746	25+580	LHS	Cut	7.174	3.59	74.16	37.08	67	1.11	1.11	0.37
747	25+590	LHS	Cut	7.393	3.70	90.05	45.03	81	1.35	1.35	0.45
748	25+600	LHS	Cut	8.682	4.34	74.70	37.35	67	1.12	1.12	0.37
749	25+610	LHS	Cut	6.979	3.49	90.84	45.42	82	1.36	1.36	0.45
750	25+640	LHS	Cut	7.416	3.71	82.66	41.33	74	1.24	1.24	0.41
751	25+650	LHS	Cut	9.005	4.50	131.45	65.72	118	1.97	1.97	0.66
752	25+660	LHS	Cut	7.47	3.74	132.33	66.16	119	1.98	1.98	0.66
753	25+670	LHS	Cut	9.084	4.54	83.77	41.89	75	1.26	1.26	0.42
754	25+680	LHS	Cut	8.266	4.13	74.52	37.26	67	1.12	1.12	0.37
755	25+810	LHS	Cut	13.14464	6.57	76.70	38.35	69	1.15	1.15	0.38
756	25+820	LHS	Cut	13.23255	6.62	115.99	57.99	104	1.74	1.74	0.58
757	25+830	LHS	Cut	8.377	4.19	108.68	54.34	98	1.63	1.63	0.54
758	25+840	LHS	Cut	7.452	3.73	135.56	67.78	122	2.03	2.03	0.68
759	25+850	LHS	Cut	7.67	3.84	156.40	78.20	141	2.35	2.35	0.78
760	25+860	LHS	Cut	11.59881	5.80	152.81	76.41	138	2.29	2.29	0.76
761	25+870	LHS	Cut	10.86816	5.43	124.27	62.13	112	1.86	1.86	0.62
762	25+880	LHS	Cut	13.55578	6.78	126.99	63.49	114	1.90	1.90	0.63
763	25+890	LHS	Cut	15.64003	7.82	92.85	46.43	84	1.39	1.39	0.46
764	25+900	LHS	Cut	15.28105	7.64	78.05	39.03	70	1.17	1.17	0.39
765	25+910	LHS	Cut	12.42661	6.21	88.21	44.11	79	1.32	1.32	0.44
766	25+920	LHS	Cut	12.69853	6.35	81.93	40.97	74	1.23	1.23	0.41
767	25+930	LHS	Cut	9.285	4.64	86.22	43.11	78	1.29	1.29	0.43
768	25+940	LHS	Cut	7.805	3.90	88.74	44.37	80	1.33	1.33	0.44

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
769	25+950	LHS	Cut	8.821	4.41	136.51	68.26	123	2.05	2.05	0.68
770	25+960	LHS	Cut	8.193	4.10	126.42	63.21	114	1.90	1.90	0.63
771	25+970	LHS	Cut	8.622	4.31	133.55	66.77	120	2.00	2.00	0.67
772	25+980	LHS	Cut	8.874	4.44	82.78	41.39	75	1.24	1.24	0.41
773	25+990	LHS	Cut	13.65102	6.83	66.51	33.26	60	1.00	1.00	0.33
774	26+000	LHS	Cut	12.64222	6.32	58.51	29.26	53	0.88	0.88	0.29
775	26+010	LHS	Cut	13.3548	6.68	53.50	26.75	48	0.80	0.80	0.27
776	26+040	LHS	Cut	8.278	4.14	62.41	31.21	56	0.94	0.94	0.31
777	26+050	LHS	Cut	6.651	3.33	76.90	38.45	69	1.15	1.15	0.38
778	26+060	LHS	Cut	5.851	2.93	89.79	44.90	81	1.35	1.35	0.45
779	26+070	LHS	Cut	5.35	2.68	95.94	47.97	86	1.44	1.44	0.48
780	26+080	LHS	Cut	6.241	3.12	95.65	47.83	86	1.43	1.43	0.48
781	26+090	LHS	Cut	7.69	3.85	69.44	34.72	62	1.04	1.04	0.35
782	26+100	LHS	Cut	8.979	4.49	81.95	40.98	74	1.23	1.23	0.41
783	26+110	LHS	Cut	9.594	4.80	77.56	38.78	70	1.16	1.16	0.39
784	26+120	LHS	Cut	9.565	4.78	71.23	35.62	64	1.07	1.07	0.36
785	26+130	LHS	Cut	6.944	3.47	60.71	30.36	55	0.91	0.91	0.30
786	26+160	LHS	Cut	8.195	4.10	54.58	27.29	49	0.82	0.82	0.27
787	26+170	LHS	Cut	7.756	3.88	69.35	34.68	62	1.04	1.04	0.35
788	26+200	LHS	Cut	7.123	3.56	63.81	31.91	57	0.96	0.96	0.32
789	26+210	LHS	Cut	6.071	3.04	57.43	28.72	52	0.86	0.86	0.29
790	26+220	LHS	Cut	5.458	2.73	51.84	25.92	47	0.78	0.78	0.26
791	26+370	LHS	Cut	6.935	3.47	57.00	28.50	51	0.86	0.86	0.29
792	26+430	LHS	Cut	14.34	7.17	56.59	28.30	51	0.85	0.85	0.28
793	26+710	RHS	Cut	12.439	6.22	65.26	32.63	59	0.98	0.98	0.33
794	26+720	RHS	Cut	6.381	3.19	63.15	31.58	57	0.95	0.95	0.32
795	26+730	RHS	Cut	5.743	2.87	61.54	30.77	55	0.92	0.92	0.31
796	26+880	RHS	Cut	5.184	2.59	64.21	32.11	58	0.96	0.96	0.32
797	26+890	RHS	Cut	5.7	2.85	60.25	30.13	54	0.90	0.90	0.30
798	26+900	RHS	Cut	5.659	2.83	103.57	51.79	93	1.55	1.55	0.52
799	26+910	RHS	Cut	6.526	3.26	97.24	48.62	88	1.46	1.46	0.49
800	26+920	RHS	Cut	6.315	3.16	74.80	37.40	67	1.12	1.12	0.37
801	27+010	RHS	Cut	6.154	3.08	53.30	26.65	48	0.80	0.80	0.27
802	27+020	RHS	Cut	6.421	3.21	62.39	31.20	56	0.94	0.94	0.31
803	27+030	RHS	Cut	6.025	3.01	105.42	52.71	95	1.58	1.58	0.53
804	27+040	RHS	Cut	10.357	5.18	60.32	30.16	54	0.90	0.90	0.30
805	27+050	RHS	Cut	9.724	4.86	63.69	31.85	57	0.96	0.96	0.32
806	27+140	LHS	Cut	7.48	3.74	54.61	27.31	49	0.82	0.82	0.27
807	27+150	LHS	Cut	5.33	2.67	67.36	33.68	61	1.01	1.01	0.34
808	27+160	LHS	Cut	6.239	3.12	86.08	43.04	77	1.29	1.29	0.43
809	27+170	LHS	Cut	10.542	5.27	72.09	36.05	65	1.08	1.08	0.36
810	27+180	LHS	Cut	6.032	3.02	63.85	31.93	57	0.96	0.96	0.32
811	27+190	LHS	Cut	6.369	3.18	98.58	49.29	89	1.48	1.48	0.49
812	27+200	LHS	Cut	5.461	2.73	158.40	79.20	143	2.38	2.38	0.79
813	27+210	LHS	Cut	6.736	3.37	145.81	72.90	131	2.19	2.19	0.73
814	27+220	LHS	Cut	8.608	4.30	119.00	59.50	107	1.78	1.78	0.59
815	27+230	LHS	Cut	7.209	3.60	131.59	65.79	118	1.97	1.97	0.66
816	27+240	LHS	Cut	6.385	3.19	167.54	83.77	151	2.51	2.51	0.84
817	27+250	LHS	Cut	9.858	4.93	207.72	103.86	187	3.12	3.12	1.04
818	27+260	LHS	Cut	15.83983	7.92	167.46	83.73	151	2.51	2.51	0.84
819	27+270	LHS	Cut	14.58072	7.29	79.76	39.88	72	1.20	1.20	0.40
820	27+310	LHS	Cut	11.8999	5.95	64.15	32.08	58	0.96	0.96	0.32
821	27+320	LHS	Cut	13.15863	6.58	75.54	37.77	68	1.13	1.13	0.38
822	27+330	LHS	Cut	16.75431	8.38	62.57	31.29	56	0.94	0.94	0.31
823	27+390	LHS	Cut	20.77179	10.39	77.73	38.86	70	1.17	1.17	0.39
824	27+400	LHS	Cut	16.74556	8.37	141.88	70.94	128	2.13	2.13	0.71
825	27+410	LHS	Cut	7.976	3.99	158.31	79.15	142	2.37	2.37	0.79
826	27+420	LHS	Cut	6.415	3.21	203.63	101.82	183	3.05	3.05	1.02
827	27+430	LHS	Cut	7.554	3.78	154.19	77.10	139	2.31	2.31	0.77

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 Ministry of Federal Affairs and Government
 Singha Durbar, Kathmandu
 Department of Local Infrastructure
 Rural Connectivity Improvement Project
 Project Coordination Unit
 Lalitpur

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
828	27+440	LHS	Cut	6.257	3.13	159.19	79.59	143	2.39	2.39	0.80
829	27+450	LHS	Cut	7.772541	3.89	178.60	89.30	161	2.68	2.68	0.89
830	27+480	LHS	Cut	14.1881	7.09	163.24	81.62	147	2.45	2.45	0.82
831	27+490	LHS	Cut	15.83091	7.92	174.69	87.34	157	2.62	2.62	0.87
832	27+500	LHS	Cut	20.36345	10.18	134.24	67.12	121	2.01	2.01	0.67
833	27+600	LHS	Cut	15.41926	7.71	131.92	65.96	119	1.98	1.98	0.66
834	27+610	LHS	Cut	15.91893	7.96	85.56	42.78	77	1.28	1.28	0.43
835	27+620	LHS	Cut	17.86021	8.93	90.88	45.44	82	1.36	1.36	0.45
836	27+630	LHS	Cut	16.32429	8.16	60.31	30.16	54	0.90	0.90	0.30
837	27+700	RHS	Cut	17.4686	8.73	74.51	37.26	67	1.12	1.12	0.37
838	27+710	RHS	Cut	13.42418	6.71	201.71	100.85	182	3.03	3.03	1.01
839	27+720	RHS	Cut	5.128	2.56	219.58	109.79	198	3.29	3.29	1.10
840	27+730	RHS	Cut	13.19244	6.60	137.38	68.69	124	2.06	2.06	0.69
841	27+740	RHS	Cut	8.556	4.28	75.14	37.57	68	1.13	1.13	0.38
842	27+750	RHS	Cut	9.088	4.54	107.51	53.75	97	1.61	1.61	0.54
843	27+760	RHS	Cut	6.031	3.02	100.74	50.37	91	1.51	1.51	0.50
844	27+770	RHS	Cut	7.451	3.73	73.39	36.70	66	1.10	1.10	0.37
845	27+780	LHS/RHS	Cut-Cut	20.17063	10.09	290.39	145.20	261	4.36	4.36	1.45
846	27+790	LHS	Cut	21.95786	10.98	194.54	97.27	175	2.92	2.92	0.97
847	27+800	LHS	Cut	13.7375	6.87	163.90	81.95	148	2.46	2.46	0.82
848	27+810	LHS/RHS	Cut-Cut	7.51434	3.76	259.89	129.95	234	3.90	3.90	1.30
849	27+820	LHS/RHS	Cut-Cut	10.75054	5.38	257.69	128.84	232	3.87	3.87	1.29
850	27+830	LHS/RHS	Cut-Cut	10.07355	5.04	215.06	107.53	194	3.23	3.23	1.08
851	27+840	LHS	Cut	7.339	3.67	100.02	50.01	90	1.50	1.50	0.50
852	27+850	LHS	Cut	29.03933	14.52	75.66	37.83	68	1.13	1.13	0.38
853	27+860	LHS	Cut	19.45359	9.73	61.63	30.82	55	0.92	0.92	0.31
854	27+940	LHS	Cut	16.38982	8.19	140.01	70.00	126	2.10	2.10	0.70
855	27+970	LHS	Cut	25.98911	12.99	106.58	53.29	96	1.60	1.60	0.53
856	28+020	LHS	Cut	25.76855	12.88	53.42	26.71	48	0.80	0.80	0.27
857	28+060	LHS	Cut	21.50587	10.75	60.78	30.39	55	0.91	0.91	0.30
858	28+080	LHS	Cut	10.00155	5.00	64.50	32.25	58	0.97	0.97	0.32
859	28+090	LHS	Cut	7.566	3.78	62.53	31.27	56	0.94	0.94	0.31
860	28+290	LHS	Cut	6.163	3.08	138.91	69.46	125	2.08	2.08	0.69
861	28+310	LHS	Cut	14.00068	7.00	120.06	60.03	108	1.80	1.80	0.60
862	28+320	LHS	Cut	19.92991	9.96	144.97	72.49	130	2.17	2.17	0.72
863	28+330	LHS	Cut	19.94217	9.97	131.99	66.00	119	1.98	1.98	0.66
864	28+340	LHS	Cut	10.65817	5.33	154.00	77.00	139	2.31	2.31	0.77
865	28+350	LHS	Cut	5.342	2.67	149.57	74.79	135	2.24	2.24	0.75
866	28+360	LHS	Cut	6.078	3.04	139.91	69.95	126	2.10	2.10	0.70
867	28+400	LHS	Cut	6.45	3.23	198.55	99.28	179	2.98	2.98	0.99
868	28+430	LHS	Cut	6.253	3.13	191.21	95.61	172	2.87	2.87	0.96
869	28+450	LHS	Cut	13.891	6.95	62.20	31.10	56	0.93	0.93	0.31
870	28+460	LHS	Cut	12.00647	6.00	59.64	29.82	54	0.89	0.89	0.30
871	28+520	LHS	Cut	14.49745	7.25	77.53	38.77	70	1.16	1.16	0.39
872	28+530	LHS	Cut	13.19923	6.60	54.51	27.26	49	0.82	0.82	0.27
873	28+550	LHS	Cut	15.39955	7.70	184.98	92.49	166	2.77	2.77	0.92
874	28+560	LHS	Cut	14.95709	7.48	157.24	78.62	142	2.36	2.36	0.79
875	28+570	LHS	Cut	13.9907	7.00	55.63	27.82	50	0.83	0.83	0.28
876	28+580	LHS	Cut	19.85542	9.93	126.57	63.28	114	1.90	1.90	0.63
877	28+590	LHS	Cut	19.12143	9.56	103.15	51.58	93	1.55	1.55	0.52
878	28+600	LHS	Cut	18.48094	9.24	77.50	38.75	70	1.16	1.16	0.39
879	28+610	LHS	Cut	6.22	3.11	51.97	25.99	47	0.78	0.78	0.26
880	28+650	LHS	Cut	5.964	2.98	66.43	33.22	60	1.00	1.00	0.33
881	28+660	LHS	Cut	7.753	3.88	67.40	33.70	61	1.01	1.01	0.34
882	28+670	LHS	Cut	5.451	2.73	65.75	32.88	59	0.99	0.99	0.33
883	28+680	LHS	Cut	18.49792	9.25	69.44	34.72	62	1.04	1.04	0.35
884	28+690	LHS	Cut	15.72405	7.86	51.93	25.97	47	0.78	0.78	0.26
885	28+700	LHS	Cut	5.563475	2.78	52.37	26.19	47	0.79	0.79	0.26
886	28+730	LHS	Cut	12.65665	6.33	55.33	27.67	50	0.83	0.83	0.28

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
887	28+940	RHS	Cut	10.315	5.16	52.67	26.34	47	0.79	0.79	0.26
888	28+990	RHS	Cut	7.75	3.88	74.96	37.48	67	1.12	1.12	0.37
889	29+000	RHS	Cut	5.197	2.60	65.22	32.61	59	0.98	0.98	0.33
890	29+010	RHS	Cut	6.643	3.32	64.51	32.26	58	0.97	0.97	0.32
891	29+020	RHS	Cut	6.74	3.37	52.88	26.44	48	0.79	0.79	0.26
892	29+070	RHS	Cut	6.575	3.29	57.19	28.60	51	0.86	0.86	0.29
893	29+140	RHS	Cut	6.944	3.47	64.92	32.46	58	0.97	0.97	0.32
894	29+150	RHS	Cut	5.193	2.60	57.10	28.55	51	0.86	0.86	0.29
895	29+230	RHS	Cut	5.237	2.62	65.50	32.75	59	0.98	0.98	0.33
896	29+240	RHS	Cut	5.533	2.77	67.86	33.93	61	1.02	1.02	0.34
897	29+280	RHS	Cut	5.267	2.63	61.01	30.51	55	0.92	0.92	0.31
898	29+370	LHS	Cut	7.496	3.75	55.95	27.98	50	0.84	0.84	0.28
899	29+380	LHS	Cut	6.522	3.26	53.02	26.51	48	0.80	0.80	0.27
900	29+420	LHS	Cut	6.451	3.23	62.36	31.18	56	0.94	0.94	0.31
901	29+430	LHS	Cut	5.288	2.64	78.60	39.30	71	1.18	1.18	0.39
902	29+840	RHS	Cut	5.719	2.86	64.20	32.10	58	0.96	0.96	0.32
903	29+850	RHS	Cut	6.492	3.25	67.16	33.58	60	1.01	1.01	0.34
904	29+860	RHS	Cut	5.71	2.86	62.82	31.41	57	0.94	0.94	0.31
905	30+120	RHS	Cut	6.55	3.28	57.49	28.75	52	0.86	0.86	0.29
906	30+130	RHS	Cut	6.786	3.39	59.20	29.60	53	0.89	0.89	0.30
907	30+470	RHS	Cut	6.101	3.05	52.17	26.09	47	0.78	0.78	0.26
908	30+480	RHS	Cut	5.595	2.80	62.38	31.19	56	0.94	0.94	0.31
909	30+510	RHS	Cut	5.302	2.65	50.33	25.17	45	0.75	0.75	0.25
910	30+530	RHS	Cut	6.236	3.12	125.76	62.88	113	1.89	1.89	0.63
911	30+540	RHS	Cut	7.86	3.93	82.99	41.50	75	1.24	1.24	0.41
912	30+550	RHS	Cut	5.68	2.84	53.96	26.98	49	0.81	0.81	0.27
913	30+610	RHS	Cut	6.42	3.21	90.37	45.19	81	1.36	1.36	0.45
914	30+620	RHS	Cut	6.716	3.36	106.43	53.22	96	1.60	1.60	0.53
915	30+630	RHS	Cut	6.282	3.14	122.93	61.47	111	1.84	1.84	0.61
916	30+640	RHS	Cut	5.749	2.87	120.91	60.45	109	1.81	1.81	0.60
917	30+650	RHS	Cut	5.92	2.96	119.07	59.53	107	1.79	1.79	0.60
918	30+730	RHS	Cut	5.217	2.61	59.07	29.54	53	0.89	0.89	0.30
919	30+740	RHS	Cut	6.238	3.12	58.15	29.08	52	0.87	0.87	0.29
920	30+760	RHS	Cut	5.033	2.52	56.32	28.16	51	0.84	0.84	0.28
921	30+770	LHS/RHS	Cut-Cut	12.57646	6.29	127.87	63.94	115	1.92	1.92	0.64
922	30+780	LHS	Cut	8.299	4.15	71.73	35.87	65	1.08	1.08	0.36
923	30+940	LHS	Cut	5.396	2.70	57.45	28.73	52	0.86	0.86	0.29
924	30+950	LHS	Cut	9.037	4.52	61.55	30.78	55	0.92	0.92	0.31
925	30+960	LHS	Cut	10.643	5.32	55.51	27.76	50	0.83	0.83	0.28
926	31+010	LHS	Cut	12.29304	6.15	58.10	29.05	52	0.87	0.87	0.29
927	31+100	LHS	Cut	12.0905	6.05	54.86	27.43	49	0.82	0.82	0.27
928	31+110	LHS	Cut	11.90675	5.95	56.92	28.46	51	0.85	0.85	0.28
929	31+120	LHS	Cut	5.907	2.95	54.50	27.25	49	0.82	0.82	0.27
930	31+220	LHS	Cut	5.815	2.91	64.51	32.26	58	0.97	0.97	0.32
931	31+230	LHS	Cut	5.632	2.82	80.16	40.08	72	1.20	1.20	0.40
932	31+240	LHS	Cut	12.787	6.39	68.92	34.46	62	1.03	1.03	0.34
933	31+300	LHS	Cut	7.173	3.59	52.87	26.44	48	0.79	0.79	0.26
934	31+360	LHS	Cut	5.745	2.87	71.98	35.99	65	1.08	1.08	0.36
935	31+370	LHS	Cut	6.155	3.08	69.35	34.68	62	1.04	1.04	0.35
936	31+380	LHS	Cut	5.551	2.78	65.38	32.69	59	0.98	0.98	0.33
937	31+390	LHS	Cut	5.81	2.91	58.70	29.35	53	0.88	0.88	0.29
938	31+400	LHS	Cut	5.486	2.74	53.28	26.64	48	0.80	0.80	0.27
939	31+590	LHS	Cut	5.692	2.85	87.27	43.64	79	1.31	1.31	0.44
940	31+600	LHS	Cut	5.45	2.73	81.12	40.56	73	1.22	1.22	0.41
941	31+720	LHS	Cut	6.451	3.23	58.04	29.02	52	0.87	0.87	0.29
942	31+750	LHS	Cut	8.016	4.01	53.19	26.60	48	0.80	0.80	0.27
943	31+790	LHS	Cut	6.892	3.45	53.03	26.52	48	0.80	0.80	0.27
944	31+930	LHS	Cut	5.287	2.64	57.87	28.94	52	0.87	0.87	0.29
945	32+180	RHS	Cut	7.198	3.60	52.31	26.16	47	0.78	0.78	0.26

Ministry of Federal Affairs and
Department of Local Infrastructure
Rural Connectivity Improvement Project
Project Coordination Unit
Lalitpur

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Ministry of Federal Affairs and
Singha Durbar, Kathmandu

Table II.8.14: Bio-engineering Details

SN	Location	Side	Cut/Fill	Len of Cut/fill	Len for Bioengineering	Slope Area	Slope Preparation	Single node culm	Planting rooted grass	Live pegs	Live fascines
				m	m	sqm	sqm	No.	sqm	rm	rm
946	32+190	RHS	Cut	6.935	3.47	66.17	33.09	60	0.99	0.99	0.33
947	32+350	RHS	Cut	6.538	3.27	50.73	25.37	46	0.76	0.76	0.25
948	32+430	RHS	Cut	5.87	2.94	56.48	28.24	51	0.85	0.85	0.28
949	32+660	RHS	Cut	5.328	2.66	52.89	26.45	48	0.79	0.79	0.26
950	32+670	RHS	Cut	8.727	4.36	58.73	29.37	53	0.88	0.88	0.29
951	32+790	RHS	Cut	8.112	4.06	51.06	25.53	46	0.77	0.77	0.26
952	32+800	RHS	Cut	5.804	2.90	56.72	28.36	51	0.85	0.85	0.28
953	32+820	RHS	Cut	5.319	2.66	51.31	25.66	46	0.77	0.77	0.26
954	32+860	RHS	Cut	5.303	2.65	72.46	36.23	65	1.09	1.09	0.36
955	32+870	RHS	Cut	5.787	2.89	63.87	31.94	57	0.96	0.96	0.32
956	32+900	RHS	Cut	5.231	2.62	53.86	26.93	48	0.81	0.81	0.27
957	32+910	RHS	Cut	6.617	3.31	64.07	32.04	58	0.96	0.96	0.32
958	33+000	LHS	Cut	5.073	2.54	52.33	26.17	47	0.78	0.78	0.26
959	33+010	LHS	Cut	5.648	2.82	54.61	27.31	49	0.82	0.82	0.27
960	33+020	LHS	Cut	5.289	2.64	74.13	37.07	67	1.11	1.11	0.37
961	33+040	RHS	Cut	5.873	2.94	50.46	25.23	45	0.76	0.76	0.25
962	33+090	RHS	Cut	5.106	2.55	57.65	28.83	52	0.86	0.86	0.29
963	33+140	RHS	Cut	5.672	2.84	51.58	25.79	46	0.77	0.77	0.26
964	33+270	RHS	Cut	5.131	2.57	58.97	29.49	53	0.88	0.88	0.29
965	33+280	RHS	Cut	7.246	3.62	58.19	29.10	52	0.87	0.87	0.29
966	33+290	RHS	Cut	6.387	3.19	56.89	28.45	51	0.85	0.85	0.28
967	33+370	RHS	Cut	5.386	2.69	58.30	29.15	52	0.87	0.87	0.29
968	33+380	RHS	Cut	6.407	3.20	63.57	31.79	57	0.95	0.95	0.32
969	33+410	RHS	Cut	5.233	2.62	72.85	36.43	66	1.09	1.09	0.36
970	33+420	RHS	Cut	5.461	2.73	117.94	58.97	106	1.77	1.77	0.59
971	33+430	RHS	Cut	7.413	3.71	160.12	80.06	144	2.40	2.40	0.80
972	33+440	RHS	Cut	5.046	2.52	166.13	83.07	150	2.49	2.49	0.83
973	33+450	RHS	Cut	5.765	2.88	134.60	67.30	121	2.02	2.02	0.67
974	33+470	RHS	Cut	5.158	2.58	86.89	43.45	78	1.30	1.30	0.43
975	33+480	RHS	Cut	5.897	2.95	189.54	94.77	171	2.84	2.84	0.95
976	33+490	RHS	Cut	5.819	2.91	169.57	84.78	153	2.54	2.54	0.85
977	33+500	RHS	Cut	5.689	2.84	112.67	56.33	101	1.69	1.69	0.56
978	33+510	RHS	Cut	5.83	2.92	74.10	37.05	67	1.11	1.11	0.37
979	33+520	RHS	Cut	6.357	3.18	123.28	61.64	111	1.85	1.85	0.62
980	33+530	RHS	Cut	7.285	3.64	123.23	61.61	111	1.85	1.85	0.62
981	33+540	RHS	Cut	11.79356	5.90	77.28	38.64	70	1.16	1.16	0.39
982	33+630	RHS	Cut	16.01184	8.01	56.46	28.23	51	0.85	0.85	0.28

Ministry of Education
Rural Development and
Project Coordination Unit
Lalitpur



Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu

Appendix 13

Details of Affected Trees

Government of Nepal
Ministry of Federal Affairs and General Administration
Department of Local Infrastructure
Rural Connectivity Improvement Project (RCIP)
Project Coordination Unit
Kathmandu



Government of Nepal
Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu

Details of Affected Trees

SN	Chainage	Local Name	Scientific Name	Nos.	Girth (mm)	Height (m)	Coverage (m)	Forest Name
1	0+104	Kutmiro	<i>Litsea polyantha</i>	1	450	8	2	Private Land
2	0+304	Kutmiro	<i>Litsea polyantha</i>	1	135	12	4	Private Land
3	0+396	Kutmiro	<i>Litsea polyantha</i>	1	900	6	1.5	Private Land
4	0+455	Kutmiro	<i>Litsea polyantha</i>	1	400	4		Private Land
5	0+507	Kutmiro	<i>Litsea polyantha</i>	1	400	4		Private Land
6	0+510	Kutmiro	<i>Litsea polyantha</i>	1	700	5		Private Land
7	0+511	Laati karam	<i>Hymenodictyon flaccidum</i>	1	100	4	2	Private Land
8	0+514	Kutmiro	<i>Litsea polyantha</i>	1	500	5	1	Private Land
9	0+519	Laati karam	<i>Hymenodictyon flaccidum</i>	1	1300	15	4	Private Land
10	0+521	Khirro	<i>Falconeria insignis</i>	1	1900	15	8	Private Land
11	0+842	Khirro	<i>Falconeria insignis</i>	1	300			Private Land
12	0+868	Pakhauri	<i>Ficus glaberrima</i>	1	600	5	2	Private Land
13	1+113	kutmiro	<i>Litsea polyantha</i>	1	900	6	2	Private Land
14	1+121	Aap	<i>Magnifera indica</i>	1	700	7	3	Private Land
15	1+410	Utis	<i>Alnus nepalensis</i>	1	110	16	2.8	Private Land
16	2+572	Eepil	<i>Leucaena leucocephala</i>	1	400	7	2	Private Land
17	2+900	Aap	<i>Magnifera indica</i>	1	3500	20	10	Private Land
18	3+451	Kutmiro	<i>Litsea polyantha</i>	1	400	7	1	Private Land
19	3+452	Kutmiro	<i>Litsea polyantha</i>	1	700	12	2	Private Land
20	3+458	Kutmiro	<i>Litsea polyantha</i>	1	650	12	2	Private Land
21	3+466	Khari	<i>Capillipedium assimile</i>	1	300	6	2	Private Land
22	3+467	Bakaino	<i>Melia azedarach</i>	1	600	7	2	Private Land
23	5+133	Chiuri	<i>Aesendra butyraceae</i>	1	1150	25	5	Private Land
24	5+724	Salla	<i>Pinus wallichiana</i>	1	800	8	2	Private Land
25	5+759	Siris	<i>Albizia procera</i>	1	600	5	2	Private Land
26	5+761	Salla	<i>Pinus wallichiana</i>	1	500	5	3	Private Land
27	6+271	Salla	<i>Pinus wallichiana</i>	1	500	3	2	Private Land
28	6+510	Salla	<i>Pinus wallichiana</i>	1	700	4	3	Private Land
29	6+629	Salla	<i>Pinus wallichiana</i>	1	350	2.5	2	Private Land
30	6+651	Salla	<i>Pinus wallichiana</i>	1	400	2	1	Private Land
31	6+652	Salla	<i>Pinus wallichiana</i>	1	1600	25	10	Private Land
32	6+686	Salla	<i>Pinus wallichiana</i>	1	700	5	5	Private Land
33	6+691	Salla	<i>Pinus wallichiana</i>	1	500	3	2	Private Land
34	6+797	Mauwa	<i>Madhuca latifolia</i>	1	800	20	7	Private Land
35	6+940	Chiuri	<i>Aesendra butyraceae</i>	1	700	5	2	Private Land
36	7+143	Salla	<i>Pinus wallichiana</i>	1	100	25	4	Private Land
37	7+144	Salla	<i>Pinus wallichiana</i>	1	1100	12	4	Private Land
38	7+234	Jamun	<i>Syzygium cumini</i>	1	650	8	3	Private Land
39	8+143	Aap	<i>Magnifera indica</i>	1	1600	20	15	Private Land
40	9+094	Chilaune	<i>Schima wallichii</i>	1	800	25	4	Private Land
41	9+697	Paayu	<i>Prunus sarasoides</i>	1	900	20	4	Private Land
42	11+529	Aap	<i>Magnifera indica</i>	1	1000	8	5	Private Land
43	11+583	Katus	<i>Castanopsis indica</i>	1	1500	25	10	Sunapati Salleni CF
44	11+583	Chilaune	<i>Schima wallichii</i>	1	100	40	10	Sunapati Salleni CF
45	11+585	Salla	<i>Pinus wallichiana</i>	1	700	20	10	Sunapati Salleni CF
46	11+588	Utis	<i>Alnus nepalensis</i>	1	800	20	8	Sunapati Salleni CF
47	11+595	Salla	<i>Pinus wallichiana</i>	1	1500	20	8	Sunapati Salleni CF
48	11+697	Aap	<i>Magnifera indica</i>	1	170	25	10	Sunapati Salleni CF
49	11+742	Katus	<i>Castanopsis indica</i>	1	600	15	5	Sunapati Salleni CF
50	12+430	Mauwa	<i>Madhuca latifolia</i>	1	350	3	2	Sunapati Salleni CF
51	12+447	Katus	<i>Castanopsis indica</i>	1	500	5	2	Sunapati Salleni CF
52	12+813	Katus	<i>Castanopsis indica</i>	1	800	25	5	Sunapati Salleni CF
53	12+915	Salla	<i>Pinus wallichiana</i>	1	800	25	5	Sunapati Salleni CF
54	12+917	Salla	<i>Pinus wallichiana</i>	1	1200	30	5	Sunapati Salleni CF
55	13+017	Salla	<i>Pinus wallichiana</i>	1	800	20	5	Sunapati Salleni CF
56	13+046	Salla	<i>Pinus wallichiana</i>	1	500	5	2	Sunapati Salleni CF
57	13+049	Salla	<i>Pinus wallichiana</i>	1	700	15	3	Sunapati Salleni CF
58	13+056	Salla	<i>Pinus wallichiana</i>	1	500	10	2	Sunapati Salleni CF
59	13+133	Sal	<i>Shorea robusta</i>	1	1200	50	10	Sunapati Salleni CF
60	14+118	Utis	<i>Alnus nepalensis</i>	1	450	15	2	Kiprug CF
61	14+126	Utis	<i>Alnus nepalensis</i>	1	350	20	4	Kiprug CF
62	14+346	Phalat	<i>Quercus lanata</i>	1	700	12	4	Kiprug CF

SN	Chainage	Local Name	Scientific Name	Nos.	Girth (mm)	Height (m)	Coverage (m)	Forest Name
63	14+360	Phalat	<i>Quercus lanata</i>	1	600	5	4	Private Land
64	14+731	Hade	<i>Lagerstroemia parviflora</i>	1	1200	25	5	Private Land
65	14+732	Malgedi	<i>Cinnamomum glaucescens</i>	1	500	6	3	Private Land
66	14+739	Hade	<i>Lagerstroemia parviflora</i>	1	800	15	8	Private Land
67	15+865	Paiyu	<i>Prunus sarasoides</i>	1	1300	10	5	Private Land
68	15+870	Chilaune	<i>Schima wallichii</i>	1	800	12	2	Private Land
69	15+874	Chilaune	<i>Schima wallichii</i>	1	500	6	2	Private Land
70	15+876	Paiyu	<i>Prunus sarasoides</i>	1	600	8	3	Private Land
71	15+876	Chilaune	<i>Schima wallichii</i>	1	650	6	4	Private Land
72	15+890	Chilaune	<i>Schima wallichii</i>	1	600	5	2	Private Land
73	15+896	Chilaune	<i>Schima wallichii</i>	1	500	8	3	Private Land
74	15+904	Chilaune	<i>Schima wallichii</i>	1	600	10	3	Private Land
75	16+183	Chilaune	<i>Schima wallichii</i>	1	700	12	4	Private Land
76	16+414	Rudrachhya	<i>Elaeocarpus ganitrus</i>	1	400	4	2	Private Land
77	16+439	Paiyu	<i>Prunus sarasoides</i>	1	500	5	2	Private Land
78	16+509	Chilaune	<i>Schima wallichii</i>	1	600	15	3	Private Land
79	16+510	Chilaune	<i>Schima wallichii</i>	1	1500	60	10	Private Land
80	16+519	Chilaune	<i>Schima wallichii</i>	1	800	15	5	Private Land
81	16+523	Mauwa	<i>Madhuca latifolia</i>	1	800	15	5	Private Land
82	16+546	Khaniyo	<i>Ficus semicordata</i>	1	1100	8	2	Private Land
83	16+569	Lapsi	<i>Choerospondias axillaris</i>	1	500	5	3	Private Land
84	16+623	Phalat	<i>Quercus lanata</i>	1	900	15	4	Private Land
85	16+647	Utis	<i>Alnus nepalensis</i>	1	400	10	2	Private Land
86	16+665	Utis	<i>Alnus nepalensis</i>	1	600	20	4	Private Land
87	16+814	Utis	<i>Alnus nepalensis</i>	1	900	15	5	Private Land
88	16+832	Khaniyo	<i>Ficus semicordata</i>	1	800	5	4	Private Land
89	16+840	Utis	<i>Alnus nepalensis</i>	2	500	12	2	Private Land
90	16+846	Utis	<i>Alnus nepalensis</i>	1	400	10	3	Private Land
91	16+855	Utis	<i>Alnus nepalensis</i>	1	500	15	3	Private Land
92	16+870	Chilaune	<i>Schima wallichii</i>	1	600	15	3	Private Land
93	16+944	Utis	<i>Alnus nepalensis</i>	1	1400	25	5	Private Land
94	17+007	Timila	<i>Ficus sarmentosa</i>	1	800	5	3	Private Land
95	17+008	Utis	<i>Alnus nepalensis</i>	1	700	25	5	Private Land
96	17+008	Khaniyo	<i>Ficus semicordata</i>	1	600	4	2	Private Land
97	17+008	Timila	<i>Ficus sarmentosa</i>	1	800	5	3	Private Land
98	17+026	Chilaune	<i>Schima wallichii</i>	1	500	15	4	Private Land
99	17+043	Utis	<i>Alnus nepalensis</i>	1	300	5	3	Private Land
100	17+075	Utis	<i>Alnus nepalensis</i>	1	800	20	5	Private Land
101	17+094	Utis	<i>Alnus nepalensis</i>	1	1800	60	7	Private Land
102	17+103	Utis	<i>Alnus nepalensis</i>	1	450	20	2	Private Land
103	17+114	Utis	<i>Alnus nepalensis</i>	1	1800	60	10	Private Land
104	17+123	Utis	<i>Alnus nepalensis</i>	1	1800	50	6	Private Land
105	17+125	Utis	<i>Alnus nepalensis</i>	1	1800	50	6	Private Land
106	17+137	Utis	<i>Alnus nepalensis</i>	1	600	12	4	Private Land
107	17+143	Utis	<i>Alnus nepalensis</i>	1	800	30		Private Land
108	17+149	Utis	<i>Alnus nepalensis</i>	1	900	40	5	Private Land
109	17+153	Utis	<i>Alnus nepalensis</i>	1	700	20	5	Private Land
110	17+163	Utis	<i>Alnus nepalensis</i>	1	1000	40	5	Private Land
111	17+164	Utis	<i>Alnus nepalensis</i>	1	350	15	2	Private Land
112	17+168	Utis	<i>Alnus nepalensis</i>	1	400	15	2	Private Land
113	17+168	Utis	<i>Alnus nepalensis</i>	1	350	15	2	Private Land
114	17+175	Utis	<i>Alnus nepalensis</i>	1	500	16	3	Private Land
115	17+176	Utis	<i>Alnus nepalensis</i>	1	300	15	2	Private Land
116	17+311	Utis	<i>Alnus nepalensis</i>	1	900	40	7	Private Land
117	17+340	Chilaune	<i>Schima wallichii</i>	1	500	10	3	Private Land
118	17+354	Utis	<i>Alnus nepalensis</i>	1	1000	30	5	Private Land
119	17+404	Chilaune	<i>Schima wallichii</i>	1	800	20	5	Private Land
120	17+534	Utis	<i>Alnus nepalensis</i>	1	550	20	5	Private Land
121	17+546	Utis	<i>Alnus nepalensis</i>	1	600	15	5	Private Land
122	17+599	Chilaune	<i>Schima wallichii</i>	1	700	20	2	Private Land
123	17+707	Utis	<i>Alnus nepalensis</i>	1	1200	25	5	Private Land
124	17+809	Utis	<i>Alnus nepalensis</i>	3	500	10	4	Private Land
125	17+810	Utis	<i>Alnus nepalensis</i>	3	500	15	2	Private Land
126	17+841	Utis	<i>Alnus nepalensis</i>	5	50	25	5	Private Land
127	17+865	Utis	<i>Alnus nepalensis</i>	3	700	30	5	Private Land
128	17+868	Utis	<i>Alnus nepalensis</i>	1	600	20	5	Private Land

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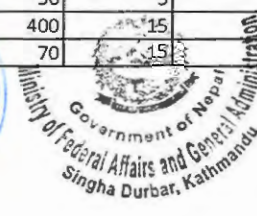


Government of Nepal
Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu

SN	Chainage	Local Name	Scientific Name	Nos.	Girth (mm)	Height (m)	Coverage (%)	Forest Name
129	18+118	Chilaune	<i>Schima wallichii</i>	1	500	8	3	Private Land
130	18+122	Utis	<i>Alnus nepalensis</i>	1	500	15	3	Private Land
131	18+122	Utis	<i>Alnus nepalensis</i>	1	650	15	3	Private Land
132	18+220	Utis	<i>Alnus nepalensis</i>	1	800	25	3	Private Land
133	18+232	Utis	<i>Alnus nepalensis</i>	1	700	20	3	Private Land
134	18+247	Utis	<i>Alnus nepalensis</i>	12	700	20	10	Private Land
135	18+268	Utis	<i>Alnus nepalensis</i>	1	400	10	4	Private Land
136	18+270	Utis	<i>Alnus nepalensis</i>	4	500	15	5	Private Land
137	18+281	Utis	<i>Alnus nepalensis</i>	4	600	15	5	Private Land
138	18+534	Chilaune	<i>Schima wallichii</i>	1	500	5	2	Private Land
139	18+535	Chilaune	<i>Schima wallichii</i>	1	900	10	3	Private Land
140	18+652	Utis	<i>Alnus nepalensis</i>	1	500	15	2	Private Land
141	18+816	Salla	<i>Pinus wallichiana</i>	1	700	6	2.5	Private Land
142	18+828	Salla	<i>Pinus wallichiana</i>	1	600	12	2	Private Land
143	18+898	Salla	<i>Pinus wallichiana</i>	1	500	8	2	Private Land
144	18+956	Salla	<i>Pinus wallichiana</i>	1	1600	25	5	Private Land
145	18+988	salla	<i>Pinus wallichiana</i>	1	600	5	2	Private Land
146	19+049	salla	<i>Pinus wallichiana</i>	1	450	5	2	Private Land
147	19+049	salla	<i>Pinus wallichiana</i>	1	500	6	2	Private Land
148	19+057	salla	<i>Pinus wallichiana</i>	2	800	15	3	Private Land
149	19+058	salla	<i>Pinus wallichiana</i>	1	600	8	2	Private Land
150	19+062	salla	<i>Pinus wallichiana</i>	2	1000	15	6	Private Land
151	19+155	Chilaune	<i>Schima wallichii</i>	1	3100	30	15	Private Land
152	19+222	Dudhilo	<i>Ficus neriifolia</i>	1	800	15	5	Private Land
153	19+223	Dhupi	<i>Cryptomeria japonica</i>	1	800	25	5	Private Land
154	19+224	Naspati	<i>Pyrus pyrifolia</i>	1	4500	10	3	Private Land
155	19+230	Junar	<i>Citrus sinensis</i>	1	400	8	5	Private Land
156	19+405	Pharsa	<i>Grewia sclerophylla</i>	1	700	8	2	Private Land
157	19+406	Malgedi	<i>Cinnamomum glaucescens</i>	1	1000	8	3	Private Land
158	19+422	Pharsa	<i>Grewia sclerophylla</i>	2	1000	10	2	Private Land
159	19+437	Dudhilo	<i>Ficus neriifolia</i>	1	700	12	3	Private Land
160	19+439	Malgedi	<i>Cinnamomum glaucescens</i>	1	1200	15	8	Private Land
161	19+772	Timila	<i>Ficus sarmentosa</i>	1	800	5	4	Private Land
162	19+825	Khaniyo	<i>Ficus semicordata</i>	1	1300	10	10	Private Land
163	19+827	Paiyu	<i>Prunus sarasoides</i>	1	700	12	4	Private Land
164	19+831	Bhalayo	<i>Semecarpus anacardium</i>	1	350	4	2	Private Land
165	19+831	Pharsa	<i>Grewia sclerophylla</i>	2	700	10	5	Private Land
166	19+839	Utis	<i>Alnus nepalensis</i>	1	350	3	2	Private Land
167	19+846	Utis	<i>Alnus nepalensis</i>	5	60	12	2	Private Land
168	19+938	Chilaune	<i>Schima wallichii</i>	1	400	12	1	Private Land
169	20+323	Chilaune	<i>Schima wallichii</i>	1	1100	20	5	Private Land
170	20+449	Malgedi	<i>Cinnamomum glaucescens</i>	1	700	7	3	Private Land
171	20+481	Chilaune	<i>Schima wallichii</i>	1	450	8	2	Private Land
172	20+489	Chilaune	<i>Schima wallichii</i>	1	500	10	2	Private Land
173	20+501	Paiyu	<i>Prunus sarasoides</i>	1	800	10	2	Private Land
174	20+585	Guras	<i>Rhododendron arboreum</i>	1	35	2	1	Private Land
175	20+585	Utis	<i>Alnus nepalensis</i>	1	450	8	2	Private Land
176	20+616	Mauwa	<i>Madhuca latifolia</i>	1	450	4	2	Private Land
177	20+626	Utis	<i>Alnus nepalensis</i>	1	500	12	3	Private Land
178	20+864	chilaune	<i>Schima wallichii</i>	1	600	10	2	Private Land
179	21+164	Utis	<i>Alnus nepalensis</i>	1	100	40	10	Private Land
180	21+168	Chilaune	<i>Schima wallichii</i>	1	1000	25	5	Private Land
181	21+175	Utis	<i>Alnus nepalensis</i>	1	800	30	4	Private Land
182	21+176	Guras	<i>Rhododendron arboreum</i>	1	450	5	2	Private Land
183	21+205	Angeri	<i>Lyonia villosa</i>	1	650	8	2	Private Land
184	21+255	Utis	<i>Alnus nepalensis</i>	1	600	7	1	Private Land
185	21+266	Utis	<i>Alnus nepalensis</i>	1	35	4	2	Private Land
186	21+416	Angeri	<i>Lyonia villosa</i>	1	600	4	3	Private Land
187	21+541	Lakuri	<i>Fraxinus floribunda</i>	1	1500	25	4	Private Land
188	21+546	Utis	<i>Alnus nepalensis</i>	1	800	25	5	Private Land
189	21+571	Khirro	<i>Falconeria insignis</i>	2	500	4	4	Private Land
190	21+594	Paiyu	<i>Prunus sarasoides</i>	1	650	12		Private Land
191	21+603	Chilaune	<i>Schima wallichii</i>	2	450	15	4	Private Land
192	21+604	lakuri	<i>Fraxinus floribunda</i>	1	450	8	3	Private Land
193	21+611	Lakuri	<i>Fraxinus floribunda</i>	1	500	10	4	Private Land
194	21+623	Lakuri	<i>Fraxinus floribunda</i>	1	500	8	4	Private Land

SN	Chainage	Local Name	Scientific Name	Nos.	Girth (mm)	Height (m)	Coverage (m)	Forest Name
195	21+741	Utis	<i>Alnus nepalensis</i>	1	500	10	4	Private Land
196	21+790	Paiyu	<i>Prunus sarasoides</i>	1	800	10	3	Private Land
197	22+008	Koirala	<i>Bauhinia purpurea</i>	2	100	10	2	Private Land
198	22+237	Lakuri	<i>Fraxinus floribunda</i>	1	1400	40	5	Private Land
199	22+239	Lakuri	<i>Fraxinus floribunda</i>	1	1400	40	5	Private Land
200	22+243	Lakuri	<i>Fraxinus floribunda</i>	1	1000	35	5	Private Land
201	22+261	Chilaune	<i>Schima wallichii</i>	1	500	8	2	Private Land
202	22+261	Utis	<i>Alnus nepalensis</i>	1	1500	25	8	Private Land
203	22+263	Chilaune	<i>Schima wallichii</i>	1	1000	20	2	Private Land
204	22+271	Dudhe	<i>Ichnocarpus frutescens</i>	1	900	8	5	Private Land
205	22+272	Chilaune	<i>Schima wallichii</i>	1	600	15	2	Private Land
206	22+288	Dhupi Salla	<i>Cryptomeria japonica</i>	2	800	20	10	Private Land
207	22+384	Chilaune	<i>Schima wallichii</i>	2	800	8	2	Private Land
208	22+386	Dudhe	<i>Ichnocarpus frutescens</i>	1	450	5	2	Private Land
209	22+387	Lakuri	<i>Fraxinus floribunda</i>	1	1300	20	5	Private Land
210	22+402	Dudhilo	<i>Ficus neriifolia</i>	1	600	10	3	Private Land
211	22+403	Paiyu	<i>Prunus sarasoides</i>	2	1300	15	5	Private Land
212	22+406	Paiyu	<i>Prunus sarasoides</i>	1	700	5	2	Private Land
213	22+410	Paiyu	<i>Prunus sarasoides</i>	1	1200	50	5	Private Land
214	22+416	Angeri	<i>Lyonia villosa</i>	1	50	4	3	Private Land
215	22+424	Paiyu	<i>Prunus sarasoides</i>	1	1000	18	4	Private Land
216	22+427	Dudhilo	<i>Ficus neriifolia</i>	1	700	15	5	Private Land
217	22+427	Paiyu	<i>Prunus sarasoides</i>	1	900	10	2	Private Land
218	22+433	Dudhilo	<i>Ficus neriifolia</i>	1	450	4	3	Private Land
219	22+436	Lakuri	<i>Fraxinus floribunda</i>	1	400	8	3	Private Land
220	22+442	Dudhilo	<i>Ficus neriifolia</i>	1	800	10	5	Private Land
221	22+443	Naspati	<i>Pyrus pyrifolia</i>	1	800	10	5	Private Land
222	22+445	Paiyu	<i>Prunus sarasoides</i>	1	700	15	3	Private Land
223	22+451	Lakuri	<i>Fraxinus floribunda</i>	1	700	3	2	Private Land
224	22+452	Chilaune	<i>Schima wallichii</i>	1	900	3	2	Private Land
225	22+456	Kutmiro	<i>Litsea polyantha</i>	1	500	8	2	Private Land
226	22+527	Dudhe	<i>Ichnocarpus frutescens</i>	1	1200	15	5	Private Land
227	22+606	Timila	<i>Ficus sarmentosa</i>	1	600	3	2	Private Land
228	22+610	kutmiro	<i>Litsea polyantha</i>	1	650	10	2	Private Land
229	22+615	Lakuri	<i>Fraxinus floribunda</i>	1	450	10	2	Private Land
230	22+615	Paiyu	<i>Prunus sarasoides</i>	1	500	10	2	Private Land
231	22+663	Utis	<i>Alnus nepalensis</i>	3	500	15	5	Private Land
232	22+663	Lakuri	<i>Fraxinus floribunda</i>	1	700	6	1.5	Private Land
233	22+687	Utis	<i>Alnus nepalensis</i>	3	400	15	3	Private Land
234	22+873	Lakuri	<i>Fraxinus floribunda</i>	1	750	6	3	Private Land
235	23+018	Chilaune	<i>Schima wallichii</i>	1	900	20	5	Private Land
236	23+034	Dudhilo	<i>Ficus neriifolia</i>	1	1200	25	10	Private Land
237	23+086	Dudhilo	<i>Ficus neriifolia</i>	1	600	5	3	Private Land
238	23+137	Dudhilo	<i>Ficus neriifolia</i>	1	900	15	5	Private Land
239	23+153	Chilaune	<i>Schima wallichii</i>	1	1100	15	5	Private Land
240	23+176	Dhupi	<i>Cryptomeria japonica</i>	1	800	4	3	Private Land
241	23+204	Dudhilo	<i>Ficus neriifolia</i>	1	900	15	5	Private Land
242	23+584	Malgedi	<i>Cinnamomum glaucescens</i>	1	1500	15	10	Private Land
243	23+692	utis	<i>Alnus nepalensis</i>	1	500	15	2	Private Land
244	23+876	Chilaune	<i>Schima wallichii</i>	1	900	25	5	Phalam Pokhari CF
245	23+879	Chilaune	<i>Schima wallichii</i>	1	700	15	5	Phalam Pokhari CF
246	23+884	Guras	<i>Rhododendron arboreum</i>	1	700	5	3	Phalam Pokhari CF
247	23+890	Chilaune	<i>Schima wallichii</i>	1	900	20	3	Phalam Pokhari CF
248	23+897	Guras	<i>Rhododendron arboreum</i>	1	700	8	4	Phalam Pokhari CF
249	23+899	Chilaune	<i>Schima wallichii</i>	1	800	25	3	Phalam Pokhari CF
250	23+913	Utis	<i>Alnus nepalensis</i>	1	1300	50	15	Phalam Pokhari CF
251	23+936	Chilaune	<i>Schima wallichii</i>	1	1250	40	5	Phalam Pokhari CF
252	23+956	Salla	<i>Pinus wallichiana</i>	9	700	25	10	Phalam Pokhari CF
253	24+130	Salla	<i>Pinus wallichiana</i>	3	1200	30	5	Phalam Pokhari CF
254	24+149	Utis	<i>Alnus nepalensis</i>	2	450	15	5	Phalam Pokhari CF
255	24+161	Paiyu	<i>Prunus sarasoides</i>	2	1200	18	10	Phalam Pokhari CF
256	24+258	mail	<i>Pyrus pashia</i>	1	1800	30	20	Phalam Pokhari CF
257	24+600	Chilaune	<i>Schima wallichii</i>	1	500	7	2	Phalam Pokhari CF
258	24+604	chilaune	<i>Schima wallichii</i>	1	50	5	2	Phalam Pokhari CF
259	24+821	Utis	<i>Alnus nepalensis</i>	10	400	15	5	Phalam Pokhari CF
260	25+381	Salla	<i>Pinus wallichiana</i>	2	70	15	5	Chandramukhi CF

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SN	Chainage	Local Name	Scientific Name	Nos.	Girth (mm)	Height (m)	Coverage (m)	Forest Name
261	25+390	Salla	<i>Pinus wallichiana</i>	1	900	15	5	Chandramukhi CF
262	25+394	Salla	<i>Pinus wallichiana</i>	5	900	15	5	Chandramukhi CF
263	25+398	Salla	<i>Pinus wallichiana</i>	6	1300	25	10	Chandramukhi CF
264	25+419	Salla	<i>Pinus wallichiana</i>	5	900	20	8	Chandramukhi CF
265	25+433	Salla	<i>Pinus wallichiana</i>	3	800	25	8	Chandramukhi CF
266	25+474	Salla	<i>Pinus wallichiana</i>	8	700	15	5	Chandramukhi CF
267	25+553	Salla	<i>Pinus wallichiana</i>	1	1200	25	6	Chandramukhi CF
268	25+559	Salla	<i>Pinus wallichiana</i>	1	1100	20	10	Chandramukhi CF
269	25+570	Salla	<i>Pinus wallichiana</i>	4	1000	15	5	Chandramukhi CF
270	25+585	Salla	<i>Pinus wallichiana</i>	1	70	15	5	Chandramukhi CF
271	25+622	Uti	<i>Alnus nepalensis</i>	3	500	20	5	Chandramukhi CF
272	25+632	Uti	<i>Alnus nepalensis</i>	1	450	5	2	Chandramukhi CF
273	26+026	Salla	<i>Pinus wallichiana</i>	1	800	6	4	Chandramukhi CF
274	26+092	Salla	<i>Pinus wallichiana</i>	1	400	10	2	Chandramukhi CF
275	26+092	Salla	<i>Pinus wallichiana</i>	1	800	10	4	Chandramukhi CF
276	26+097	Lakuri	<i>Fraxinus floribunda</i>	1	450	5	3	Chandramukhi CF
277	26+106	Salla	<i>Pinus wallichiana</i>	1	450	8	4	Chandramukhi CF
278	26+109	Dudhilo	<i>Ficus nerifolia</i>	1	650	10	5	Chandramukhi CF
279	26+285	Uti	<i>Alnus nepalensis</i>	1	500	8	3	Chandramukhi CF
280	26+541	Salla	<i>Pinus wallichiana</i>	3	60	8	5	Chandramukhi CF
281	26+660	Salla	<i>Pinus wallichiana</i>	1	1000	30	4	Chandramukhi CF
282	26+716	Salla	<i>Pinus wallichiana</i>	18	550	12	5	Chandramukhi CF
283	26+729	Salla	<i>Pinus wallichiana</i>	7	450	12	5	Chandramukhi CF
284	26+733	Salla	<i>Pinus wallichiana</i>	9	1000	30	5	Chandramukhi CF
285	26+787	Salla	<i>Pinus wallichiana</i>	8	1000	40	5	Chandramukhi CF
286	26+789	Salla	<i>Pinus wallichiana</i>	1	450	10	5	Chandramukhi CF
287	26+808	Salla	<i>Pinus wallichiana</i>	2	400	10	5	Chandramukhi CF
288	26+871	Salla	<i>Pinus wallichiana</i>	1	900	20	8	Chandramukhi CF
289	26+882	Salla	<i>Pinus wallichiana</i>	2	900	25	4	Chandramukhi CF
290	27+085	Katus	<i>Castanopsis indica</i>	4	300	6	3	Chandramukhi CF
291	28+916	Salla	<i>Pinus wallichiana</i>	2	800	18	4	Ratmate CF
292	29+102	Salla	<i>Pinus wallichiana</i>	3	1100	25	5	Ratmate CF
293	29+223	Salla	<i>Pinus wallichiana</i>	1	400	4	3	Private Land
294	29+243	Salla	<i>Pinus wallichiana</i>	5	800	10	3	Private Land
295	30+527	Salla	<i>Pinus wallichiana</i>	4	900	20	5	Jhopsing Khola Kabuliyat Forest
296	31+602	Salla	<i>Pinus wallichiana</i>	4	700	20	5	Kabli CF
297	33+030	Paiyu	<i>Prunus sarasoides</i>	1	800	15	2	Private Land
298	33+256	Uti	<i>Alnus nepalensis</i>	1	1000	20	10	Private Forest
			Total	451				


 Government of Nepal
 Ministry of Federal Affairs and General Administration
 Department of Local Infrastructure
 Rural Connectivity Improvement Project (RCIP)
 Project Coordination Unit
 Lalitpur




 Government of Nepal
 Ministry of Federal Affairs and General Administration
 Singha Durbar, Kathmandu

Appendix 14

Copy of Cabinet Decision on

Plantation on Compensated Land

Ministry of Federal
Department
Rural Development
Project



Ministry of
Government of Nepal
Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu



नेपाल सरकार

वन तथा वातावरण मन्त्रालय

EX: पो. नं. : ३२८७
सिंहदरबार, काठमाडौं

वन तथा जलधार महाशाखा

नेपाल सरकार
वन तथा वातावरण मन्त्रालय
सिंहदरबार काठमाडौं

वन तथा भू-संरक्षण विभाग
दर्ता नं.: २९२८
मिति: ०६०६/०६/१०

मिति: २०७७/०७/१९

पत्र संख्या :- व.भू. ०७७/७८
चलानी नं.: ८८
प्राप्त पत्र संख्या र मिति :-

विषय: मन्त्रिपरिषद्को निर्णय सम्बन्धमा ।

श्री वन तथा भू-संरक्षण विभाग,
बबरमहल ।

१५/०७/१९
१५/०७/१९
०६०६/०६/१०

उपरोक्त सम्बन्धमा केही ग्रामीण सडकहरुको स्तरोन्नतिका लागि राष्ट्रिय वन क्षेत्र प्रयोग गर्न दिने विषयको वन तथा वातावरण मन्त्रालयको नं. १५।२२-०७७/६।२५ को प्रस्ताव मं.प.बै.सं. ४२/०७७ मिति २०७७/७/४ को मन्त्रिपरिषद्को बैठकमा पेश हुँदा त्यसमा नेपाल सरकार, मन्त्रिपरिषद्ले "प्रस्तावमा लेखिएबमोजिम गर्ने" निर्णय गरेकोले सोबमोजिम कार्यान्वयन गर्ने व्यवस्थाका लागि मन्त्रिपरिषद्को सम्बन्धित निर्णय (प्रस्ताव र अनुसूची) को छाँयाप्रति र तहाँको सक्कलै फायलहरु यसैसाथ संलग्न राखी पठाईएको ब्यहोरा आदेशानुसार अनुरोध छ ।

०६०६/०६/१०
लोकनाथ घिसरे
(स.वन अधिकृत)

बोधार्थ :

श्री संघीय मामिला तथा सामान्य प्रशासन मन्त्रालय, सिंहदरबार ।

श्री योजना, अनुगमन तथा समन्वय महाशाखा, वन तथा वातावरण मन्त्रालय, सिंहदरबार ।

०६०६/०६/१०
१५/०७/१९
०६०६/०६/१०

Joint Venture

Ministry of Federal Affairs and General Administration
Government of Nepal
Singha Durbar, Kathmandu

६
०१/०६/१२२

विषय: केही ग्रामीण सडकहरूको स्तरोन्नतिका लागि राष्ट्रिय वन क्षेत्र प्रयोग गर्न दिने ।

प्रस्ताव पेश गर्न विभागीय मन्त्रीबाट स्वीकृति प्राप्त मिति: २०७७।६।२१

१. विषयको संक्षिप्त व्यहोरा:

संघीय मामिला तथा सामान्य प्रशासन मन्त्रालय, स्थानीय पूर्वाधार विभागको बजेट कार्यक्रम बमोजिम ग्रामीण सन्जाल सुधार आयोजना (RCIP) अन्तर्गत परेका धनकुटाको मुद्देशनिश्चरे-डाँडागाउँ-चनुवा सडक लगायतका ४ वटा ग्रामीण सडकहरूको पुनर्निर्माण/स्तरोन्नति गर्नका लागि राष्ट्रिय वन क्षेत्र प्रयोग गर्न अनुमति दिन भनी स्वीकृत प्रारम्भिक वातावरणीय परीक्षण (IEE / Updated EMP) प्रतिवेदनहरू संलग्न राखी सम्बन्धित योजनाहरूबाट माग भई आएको ।

२. प्राप्त परामर्श तथा अन्य प्रासङ्गिक कुरा:

क) संघीय मामिला तथा सामान्य प्रशासन मन्त्रालयको प.सं. ०७७।७८ च.नं. ६८ मिति २०७७/०६/०१ को पत्रहरूमा उक्त सडक लगायतका ४ वटा ग्रामीण सडकहरू स्तरोन्नति गर्ने कार्यका लागि राष्ट्रिय वन क्षेत्रको भोगाधिकार तथा रुखहरू हटाउन दिन सिफारिस भएको, (उक्त पत्रको छाँयाकपी संलग्न छ) ।

ख) राष्ट्रिय योजना आयोगको प.सं. ०७४।७५ च.नं. १०७७ मिति २०७५/०३/०४ को पत्रबाट ग्रामीण सन्जाल सुधार आयोजना (RCIP) लाई राष्ट्रिय प्राथमिकता प्राप्त कार्यक्रमको रूपमा सिफारिस गरिएको, (उक्त पत्रको छाँयाकपी संलग्न छ) ।

३. प्रस्ताव पेश गर्न पर्नेको कारण र मन्त्रालयको सिफारिस:

नेपाल सरकार स्थानीय पूर्वाधार विभागको बजेट कार्यक्रममा रहेको ग्रामीण सन्जाल सुधार आयोजना (RCIP) अन्तर्गतका ४ वटा सडकहरू (धनकुटाको मुद्देशनिश्चरे-डाँडागाउँ-चनुवा सडक, रुकुम (हाल पूर्वी रुकुम) को सोलाबाङ-राउखेत-बालुवा नाथगडपुल-जामाबगर सिमलचौर-हुकुम रन्मामङ्कोट सडक, सिन्धुलीको तल्लो रानिबास-हर्षादी-टाडी धनसरी सडक, सिन्धुलीको दुधौली- लखिमा रातामाटा - कर्था ठाकुरदमार-अरुणठाकुर सडक) को चौडाई विस्तार/मोड सुधारसहित कालोपत्रेमा स्तरोन्नति (Upgrading) गर्नका लागि धनकुटा, पूर्वी रुकुम र सिन्धुली जिल्लाहरूको कूलजम्मा १८.०९१ हेक्टर राष्ट्रिय वन क्षेत्र प्रयोग गर्न र तहाँ रहेका जम्मा ६७३ वटा रुखविरुवाहरू हटाउनु बाहेक अन्य विकल्प नभएको भनी स्वीकृत प्रारम्भिक वातावरणीय परीक्षण (IEE / Updated EMP) प्रतिवेदनहरूमा उल्लेख भएको र उक्त सडक योजनाहरू राष्ट्रिय प्राथमिकता प्राप्त कार्यक्रम / आयोजना रहेकोले संघीय मामिला तथा सामान्य प्रशासन मन्त्रालयको सिफारिस बमोजिम ती ४ वटा सडकहरू स्तरोन्नति गर्न कूलजम्मा १८.०९१ हेक्टर राष्ट्रिय वन क्षेत्र प्रयोग गरी तहाँ रहेका जम्मा ६७३ वटा रुखविरुवाहरू हटाउन दिन उपयुक्त रहेको भनी स्थलगत विवरणसहितको राय सम्बन्धित डिभिजन वन कार्यालयहरू धनकुटा, पूर्वी रुकुम र सिन्धुली एवं वन तथा भू-संरक्षण विभाग समेतबाट प्राप्त भएको हुनाले यी ४ वटै सडकहरूको पुनर्निर्माण/स्तरोन्नति गर्ने कार्य तोकिएको समयावधिभित्रै सम्पन्न गर्नका लागि उक्त १८.०९१ हेक्टर वन क्षेत्र प्रयोग गर्न दिन वन ऐन, २०७६, वन नियमावली, २०५१ र राष्ट्रिय प्राथमिकता प्राप्त योजनाको लागि राष्ट्रिय वन क्षेत्र प्रयोग गर्ने सम्बन्धी मापदण्ड सहितको कार्यविधि, २०७६ बमोजिम नेपाल सरकार मन्त्रिपरिषदमा प्रस्ताव पेश गर्न माननीय वन तथा वातावरण मन्त्रीज्यूबाट मिति २०७७।६।२१ मा स्वीकृति प्राप्त भएकाले नेपाल सरकार (कार्यसम्पादन) नियमावली, २०६४ को अनुसूचि-१ को विषयसंख्या ३५ बमोजिम यो प्रस्ताव पेश गरिएको छ ।



सचिव



४. निर्णय हुनुपर्ने व्यहोरा:

वन ऐन, २०७६ को दफा ४२ अनुसार स्थानीय पूर्वाधार विभागलाई ४ वटा ग्रामीण सञ्जाल सडक (धनकुटाको मुदेशानिश्चरे-डाँडागाउँ-चनुवा सडक, पूर्वी रुकुमको सोलाबाङ-राउखेत-बालुवा नायगाव जामाबगर सिमलचौर-हुकुम रन्मामइकोट सडक र सिन्धुलीको तल्लो रानिबास-हर्षादी-टाडी धनसरी सडक दुधौली- लखिमा रातामाटा - कर्था ठाकुरदमार-अरुणठाकुर सडक) को मोड सुधारसहित पुनर्निर्माण/स्तर (Upgrading) गर्नका लागि संलग्न अनुसूचीका शर्तहरू पालना हुनेगरी धनकुटा, पूर्वी रुकुम र सि जिल्लामा रहेको कूलजम्मा १८.०९१ हेक्टर (अठार दशमलव शून्य नौ एक हेक्टर) राष्ट्रिय वन क्षेत्र गर्न दिने र तहाँ रहेका जम्मा ६७३ वटा रुखविरुवाहरू हटाउन समेत स्वीकृति दिने ।

मिति: २०७७।६।२२

(डा. विश्वनाथ ओ
साँचव

सचिव

Ministry of Federal Affairs and General Administration
Department of Infrastructure
Rural Connectivity Improvement Project (RCIP)
Project Coordination Unit
Lalitpur



Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu

उक्त ४ वटा सडकहरुको स्तरोन्नति गर्ने क्रममा वन क्षेत्र प्रयोग गर्दा स्थानीय पूर्वाधार विभाग / आयोजन सडक योजनाहरुले पालना गर्नु पर्ने शर्तहरू :

१. स्थानीय पूर्वाधार विभागले निम्न ग्रामीण सडक योजनाहरुको निर्माण सुधार/स्तरोन्नतिका लागि वन प्रयोग गर्नु पूर्व वन तथा भू-संरक्षण विभागसंग सम्झौता / समझदारीपत्र (एमओयू) गर्नु पर्नेछ ।

अ) मुढेशनिधारे-डाँडागाउँ-चनुवा सडक-आयोजना (१०.३४ कि.मी.), धनकुटाको लागि ३.७७१ हेक्टर क्षेत्र प्रयोग गर्ने र ८३ वटा रुख हटाउने ।

आ) सोलाबाड-राउखेत-बालुवा नायगडपुल-जामाबगर सिमलचौर-हुकुम रन्मामइकोट सडक आयोजना (११.६३ कि.मी.), पूर्वी रुकुमको लागि ३.७३० हेक्टर वन क्षेत्र प्रयोग गर्ने र २९४ वटा रुख हटाउने

इ) तल्लो रानिबास-हर्षादी-टाडी धनसरी सडक आयोजना, (१२.७५ कि.मी.), सिन्धुलीको लागि ६.४८ हेक्टर वन क्षेत्र प्रयोग गर्ने र १३९ वटा रुख हटाउने ।

ई) दुधौली- लखिमा रातामाटा - कर्था ठाकुरदमार-अरुणठाकुर सडक आयोजना, (१३.०१ कि.मी) सिन्धुलीको लागि ४.१९० हेक्टर वन क्षेत्र प्रयोग गर्ने र १५७ वटा रुख हटाउने ।

२. स्थानीय पूर्वाधार विभाग र उल्लेखित योजनाहरुले स्वीकृत प्रारम्भिक वातावरणीय परीक्षण (IEE Updated EMP) प्रतिवेदनहरु उल्लेखित शर्तहरु र क्षति न्यूनिकरणका उपायहरु एवं वातावरणीय व्यवस्था योजनालाई आफ्नै लागतखर्चमा अनिवार्य रुपमा पालना गर्नु गराउनु पर्नेछ ।

३. क. वन ऐन २०७६ को दफा ४२ (२) बमोजिम आयोजना निर्माण गर्दा वन क्षेत्रभित्र ओगट १८.०९१ हेक्टर (अठार दशमलव शून्य नौ एक हेक्टर) क्षेत्रफल भन्दा कम नहुने गरी प्रवर्द्धक आयोजनाले नेपाल सरकारलाई सम्भव भएसम्म आयोजनास्थलको नजिक पर्ने राष्ट्रिय वनक्षेत्रसँग जोडिएको समान भौगोलिक र पारिस्थिकीय क्षेत्रमा पर्ने तथा वनको विकास गर्न सकिने भूवोट भएको सट्टाभर्नास्वरु जग्गा उपलब्ध गराउनु पर्नेछ । यो जग्गा नेपाल सरकार, वन तथा भूसंरक्षण विभागको नाममा रजिष्ट्रेश पास भएको हुनु पर्नेछ । सम्बन्धित डिभिजन वन कार्यालयको सिफारिसमा विभागले यो जग्गा प्राप्त ग व्यवस्था मिलाउने छ । नेपाल सरकारले यो जग्गा प्राप्त नगरेसम्म योजनाले उल्लेखित वन क्षेत्र प्रयोग ग ल्याउन पाउने छैन । यसरी सट्टा प्राप्ति भएको जग्गालाई राष्ट्रिय वन क्षेत्रका रुपमा कायम गरी संरक्षण गः पर्नेछ ।

ख. उक्त सट्टा जग्गा उपलब्ध गराउन नसकेमा आयोजनाले उल्लेखित कार्यविधि, २०७६ बमोजिमकं रकम वन विकास कोषमा दाखिला हुनेगरी वन तथा वातावरण मन्त्रालयलाई उपलब्ध गराउनु पर्नेछ । यं रकम दाखिला गर्ने आवश्यक प्रबन्ध संघीय मामिला तथा सामान्य प्रशासन मन्त्रालय, स्थानीय पूर्वाधार विभाग र आयोजनाले मिलाउनु पर्नेछ ।

४. प्रवर्द्धक/आयोजनाले सट्टा उपलब्ध गराईएको अवस्थामा उक्त जग्गामा आफ्नै लागतखर्चमा प्रति हेक्टर १६०० बिरुवाको दरले बृक्षरोपण गरी पाँच बर्षसम्म ती बिरुवाको संरक्षण तथा सम्बर्द्धन गरी संबन्धित डिभिजन वन कार्यालयलाई हस्तान्तरण गर्नु पर्नेछ ।

५. उक्त सडक आयोजनाहरु निर्माण गर्दा हटाउनु पर्ने भनी लगत पेश भएका कूलजम्मा ६७३ वटा रुखविरुवाहरु प्रचलित कानून बमोजिम उक्त डिभिजन वन कार्यालयहरु र सम्बन्धित सामुदायिक वनसंग समन्वय गरी आयोजनाहरुले आफ्नै लागतखर्चमा कटानमुद्दान गरी उत्पादन हुन जाने काठदाउरा सुरक्षित घाटगद्दी गर्नु पर्नेछ । उक्त डिभिजन वन कार्यालयहरुले उत्पादित काठदाउराहरु नियमानुसार हस्तान्तरण र व्यवस्थापनको व्यवस्था मिलाउनेछ ।

६. प्रवर्द्धक / आयोजनाले IEE / Revised EMP बमोजिम हुनेगरी उक्त रुखविरवाहरुको सट्टा १:२५ व दरले हुनेगरी तत् तत् वन कार्यालयले तोकेको स्थानमा बृक्षारोपण गरी सोको ५ वर्षसम्म स्याहारसंभार गर्न उक्त कार्यालयलाई हस्तान्तरण गर्नु पर्नेछ । गरि आयोजना गाउँले बुँदा नं. ४ र ६ बमोजिमको बृक्षारोपण र स्याहारसंभार गर्न नसकेमा स्वीकृत नर्स अनुसार हुनआउने एकमुष्ट रकम वन बिकास कोषमा जम्मा गर्नु पर्नेछ ।

७. प्रवर्द्धकले स्वीकृत डिपीआर र IEE / Revised EMP प्रतिबेदनहरुमा उल्लेखित भएबमोजिम हुनेगरी सडक आयोजनाका संरचना निर्माण गर्ने व्यवस्था मिलाउनु पर्नेछ । वन तथा भूसंरक्षण विभागको पूर्व स्वीकृति नलिई वन क्षेत्रभित्र यी आयोजनाको तोकिएको संरचना एवं डिजाइनमा कुनै किसिमको परिमार्जन / संशोधन वा फेरबदल गर्न पाइने छैन ।

८. क. प्रवर्द्धक/आयोजनाले उक्त वन क्षेत्रको जग्गा जुन प्रयोजनका लागि प्राप्त गरेको हो सोही प्रयोजनका लागि मात्र प्रयोग गर्नु पर्नेछ ।

ख. उल्लेखित जग्गाको भू-स्वामित्व नेपाल सरकारमा नै रहनेछ । यो जग्गा दर्ता गर्न, अन्यथा हुने गरि प्रयोग गर्न, धितो बन्धकी राख्न र अरु कसैलाई हक हस्तान्तरण गर्न समेत पाइने छैन । यस वरपर अतिक्रमण भएमा वा कुनैपनि कारणबाट भू-उपयोग बदलिएमा आयोजना उपर प्रचलित ऐनकानून अनुसार कारवाही हुनेछ ।

९. क. प्रवर्द्धक र आयोजनाहरुले वन ऐन २०७६, वन नियमावली २०५९, राष्ट्रिय वन क्षेत्र प्रयोग गर्ने सम्बन्धी मापदण्ड सहितको कार्यविधि, २०७६ लगायतका सबै प्रचलित नियम कानूनहरुको पूर्णपालना गर्नु पर्नेछ । साथै विभागसंगको संझौतामा रहेका शर्तहरु लगायत नेपाल सरकार, वन तथा वातावरण मन्त्रालयबाट दिइने / दिईएका निर्देशनहरु समेत पालना गर्नु पर्नेछ । उल्लेखित शर्त एवं निर्देशनहरु पालना नगरेमा वन तथा वातावरण मन्त्रालयबाट आयोजना प्रमुख उपर कारवाही गरी एकपक्षीय रुपमा दिएका अनुमति, निर्णय तथा सम्झौता समेत बदर गरिनेछ ।

ख. यस सन्दर्भमा वन तथा वातावरण मन्त्रालयबाट तोकिएको थप शर्तहरु / निर्देशनहरु समेत आयोजनाले पालना गर्नु पर्नेछ ।

१०. क. आयोजनाले हरेक आ.व.को समासिपछिको २ महिनाभित्र अनिवार्य रुपमा भएगरेको कार्यप्रगति वन तथा भू-संरक्षण विभागमा पेश गर्नु पर्नेछ ।

ख. तोकिएका शर्तहरु पालना गरे नगरेका बारेमा अनुगमन गरी वन तथा वातावरण मन्त्रालय र संबन्धित निकायमा प्रतिबेदन पेश गर्नका लागि निम्न अनुसारको अनुगमन संयन्त्र रहनेछ । अनुगमन संयन्त्रले कम्तिमा पनि वर्षको एक पटक अनुगमन गरी प्रतिबेदन दिनेछ । वन तथा वातावरण मन्त्रालय एवं सो मातहतका निकायले आवश्यकता अनुसार योजना/परियोजनास्थलको अनुगमन गर्न सक्नेछन् । उक्त समितिबाट अनुगमन गराइ प्रतिबेदन पेश गर्ने दायित्व आयोजनाकै हुनेछ ।

क) उपमहानिर्देशक, वन तथा भू-संरक्षण विभाग

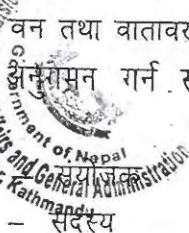
ख) संघीय मामिला तथा सामान्य प्रशासन मन्त्रालयको उपसचिव

ग) संबन्धित जि.स.स.को अधिकृत प्रतिनिधि

घ) संबन्धित को.ले.नि.का.को अधिकृत प्रतिनिधि

ङ) संबन्धित आयोजनाको प्रमुख

च) सम्बन्धित डिभिजनले कतै अधिकतम (धनकुटा पूर्वी) रुकम र सिन्धुली



श्री सचिव,

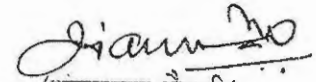
वन तथा वातावरण मन्त्रालय ।

केही ग्रामीण सडकहरूको स्तरोन्नतिका लागि राष्ट्रिय वन क्षेत्र प्रयोग गर्न दिने विषयको वन तथा वातावरण मन्त्रालयको दर्ता नं. १५/२२-०७७/६/२५ को प्रस्ताव मं.प.वै.सं. ४२/०७७ मिति २०७७/७/४ को मन्त्रिपरिषद्को बैठकमा पेश हुँदा त्यसमा नेपाल सरकार मन्त्रिपरिषद्ले देहायबमोजिम निर्णय गरेकाले सोबमोजिम कार्यान्वयन हुन नेपाल सरकार (कार्यसम्पादन) नियमावली, २०६४ को नियम २९, बमोजिम अनुरोध गरेकोछु -

नेपाल सरकारको निर्णय -

"प्रस्तावमा लेखिएबमोजिम गर्ने ।"

आ.स.सं/वन तथा वातावरण
सचिव
०८६/७/१२


(शंकरदास बैरागी)

मुख्यसचिव

२०७७/७/४



Appendix 15

Photographs

Ministry of Federal Affairs and General Administration
Department of Infrastructure
Rural Connectivity Improvement Project (RCIP)
Project Coordination Unit
Lalitpur



Ministry of Federal Affairs and General Administration
Singha Durbar, Kathmandu



Conducting household survey



Road side stone tap at Panighat Ch 11+580



Collecting water sample for lab test at Ch 17+200



Conducting Public hearing at Doramba Sailung Rural Municipality, Ward 2 office



Conducting Public hearing at Sunapati Rural Municipality



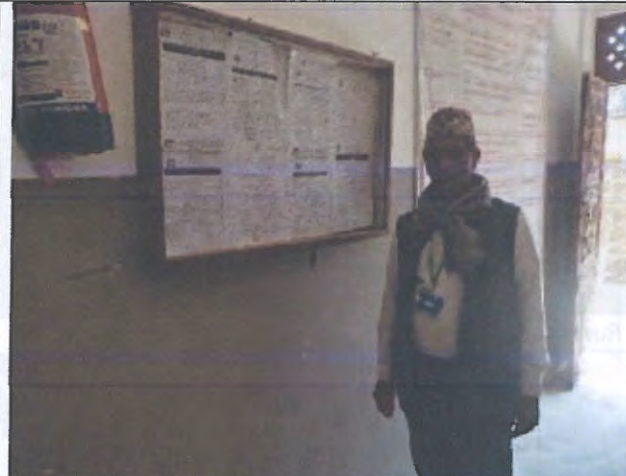


Posting of the public notice on the notice board of Khadadevi Rural Municipality office



Hospital at road side at CH 31+050

School at Galpa 25+400



Posting public notice at Division Forest Office, Ramechhap

Measuring Girth of tree



Appendix 16

Comments and Response Matrix

Ministry of Federal Affairs and General Administration
Government of Nepal
Singha Durbar, Kathmandu

Ministry of Federal Affairs and General Administration
Department of Project Management
Real Connectivity Project (RCP)
Project Coordination Unit
Lalitpur

Joint Venture
2076
D
ANVIAAN-SOFTS
New Baneshwor, Kathmandu

SN	Comment	Response
1	निजि जग्गा प्राप्त प्रक्रिया र हालसम्मको अवस्था उल्लेख गर्ने ।	Section 2.6 - Impact on Land Use; Section 2.11.2.5 - Community Participation Plan (CPP); Section 5.2.5 - Land Acquisition, Resettlement, and Rehabilitation Policy for Infrastructure Development Project 2071 BS (2015 AD). Section 8.2.3.1 (i) - Mitigation Measures ;
2	चुरे क्षेत्र र खहरेबाट आउने सक्ने बाढी नियन्त्रण व्यवस्था बारे उल्लेख गर्ने ।	The subproject location is not in Chure region
3	निर्माण सामग्री उपलब्धता र प्रयोग गरिने क्षेत्रको पहिचान ।	Included in 4.1.6
4	चुरे क्षेत्रको सडक निर्माण गर्दा चुरे क्षेत्र बाहेक बाहिरबाट निर्माण सामग्री ल्याउने सम्बन्धि व्यवस्था उल्लेख गर्ने ।	Not applicable for this IEE study: The subproject location is not in Chure region
5	पुल तथा कल्भर्ट वारेमा विस्तृतमा उल्लेख गर्ने ।	Bridge is not proposed for the subproject. Culverts details in given in Section 3.2
6	Landslide, Erosion सहित landscape को बारेमा उपयुक्त व्यवस्था मिलाउने ।	Section 4.1.4 and Section 8.2.1.2
7	Bioengineering उल्लेख गर्ने, स्थानीय तह र चुरे संरक्षण प्रावधान बमोजिम अनुमति र समन्वयमा काम गर्ने ।	Section 8.2.1.2 (i) regarding bioengineering Regarding Chure conservation - The subproject location is not in Chure region
8	विद्यमान सडकको वास्तविक अवस्था उल्लेख गर्ने ।	Section 3.1
9	सडक किनारा बृक्षारोपन व्यवस्था गर्ने ।	Section 8.2.2.2 (i) Table 9.3 - Adverse impact "Biological Environment - Construction Phase"
10	प्रभावित क्षेत्रमा प्रयोगमा आउने रुखको संख्या, प्रकृति सहित विस्तृतमा उल्लेख गर्ने ।	Section 4.2.1 / Table 4-8/ Appendix 13
11	वन्यजन्तु मैत्री पूर्वाधार निर्माण गर्ने बारे व्यवस्था गर्ने ।	Section 7.2.4.2 (ii) Section 8.2.2.2 (ii)
12	ऐन कानुन उल्लेख गर्दा दफा र उपदफा समेत उल्लेख गर्ने ।	Section 2.4 Section 8.2.2.2 (i)
13	वैकल्पिक योजना समेत सिफारिस गर्ने ।	Chapter 6 has the alternative analysis of the project.
14	डिभिजन वन कार्यालयको समन्वय र सिफारिस व्यवस्था गर्ने ।	Appendix 8 (letter to Division Forest Office requesting the recommendation has been attached)
15	DPR बमोजिम EMP बनाउने, EMP को format बमोजिम बनाउने ।	Updated in Table 9.3 accordingly.
16	रिपोर्टमा प्रयोग गरिएका डाटाहरुलाई पुनः एकिकृत हुने साथै भाषागत शुद्धतामा सुधार गर्ने ।	Done Accordingly.
17	प्रभावित घर धुरीको सामाजिक आर्थिक अवस्था उल्लेख गर्ने ।	Section 4.3.10
18	प्रोजेक्टसंग specific समस्या, चुनौती र अवसर उल्लेख गर्ने ।	Section 2.10
19	डिभिजन वन कार्यालयलाई उपलब्ध गराउन प्रस्ताव गरिएको रकमहरु के कुन आधारमा कुन प्रावधानमा टेकेर गरिएको हो सो खुलाउनुपर्ने ।	Section 8.2.2.2 (i). And document attached in Appendix 14.
20	सार्वजनिक utility हरू (धारा, चौतारा, टेलिफोन बुथ, विद्यालय, स्वास्थ्य चौकी जस्ता) बारेमा उल्लेख गर्ने ।	Section 2.9 Section 7.2.3.1 (i) - Table 7.1
21	संरक्षित क्षेत्र भएर जाने भएकाले त्यसका मापदण्ड उल्लेख गर्ने ।	The subproject location is not in Chure region and the road does not lie on any other conservation or protected area.
22	Data Source उल्लेख गर्ने, प्रयोग भएका मापदण्ड र मापदण्ड कहाँबाट ल्याएको उल्लेख गर्ने ।	Done Accordingly

