Initial Environmental Examination

April 2023

Uzbekistan: Distribution Network Digital Transformation and Resiliency Project

Prepared by JSC Regional Electrical Power Networks for the Asian Development Bank.

This initial environmental examination is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature. Your attention is directed to the "terms of use" section on ADB's website.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

Appendix A – Project Photos

Location: Andijan city, Andijan Province Name: SS Yayilma











Location: Margilan city, Fergana Province Name: SS Atlas













Location: Karshi district, Kashkadarya Province Name: SS Beshkent









Location: Namangan city, Namangan Province Name: SS Namangan









Location: Yangier city, Syrdarya Province Name: SS Yangier





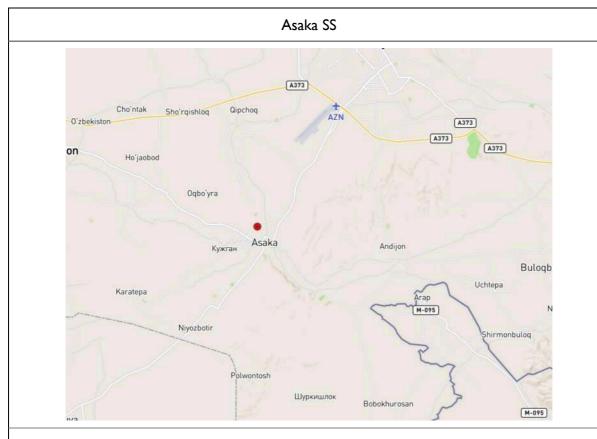




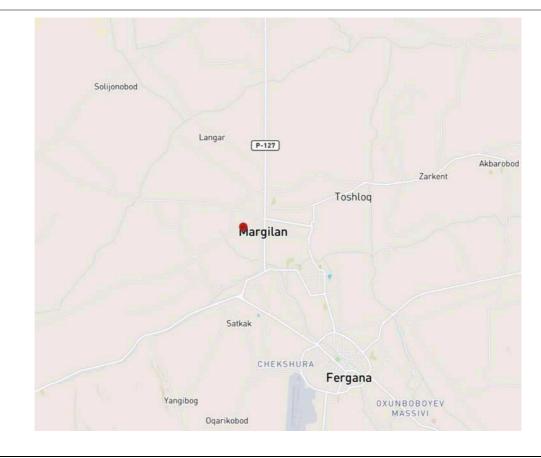


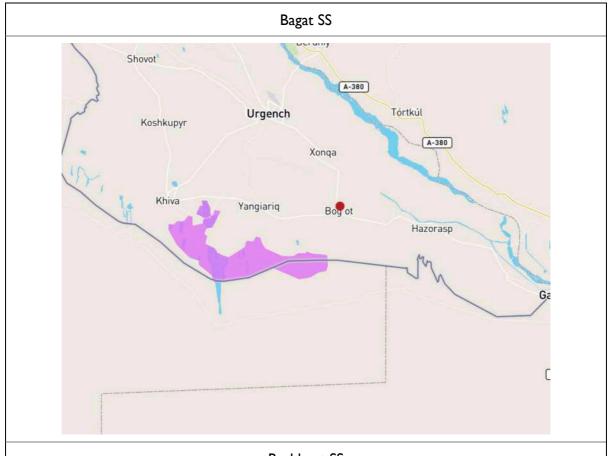


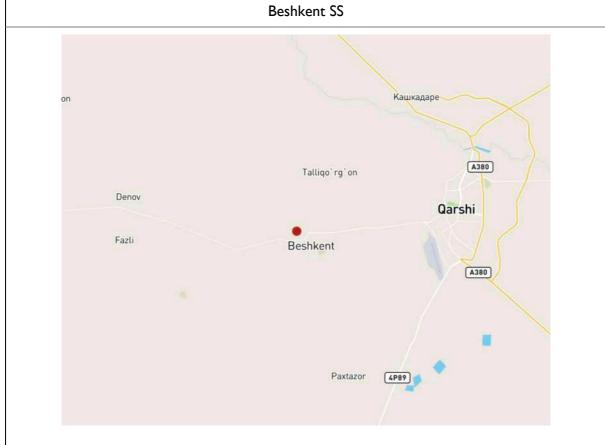
Appendix B – Biodiversity Mapping (reproduced from IBAT)

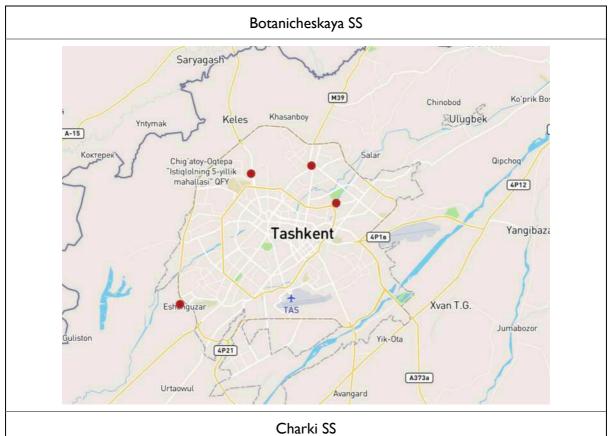


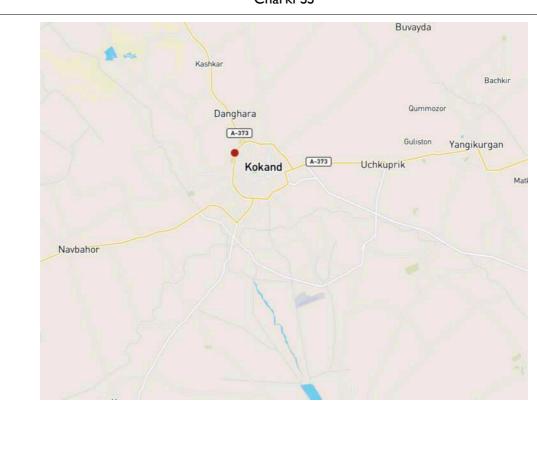


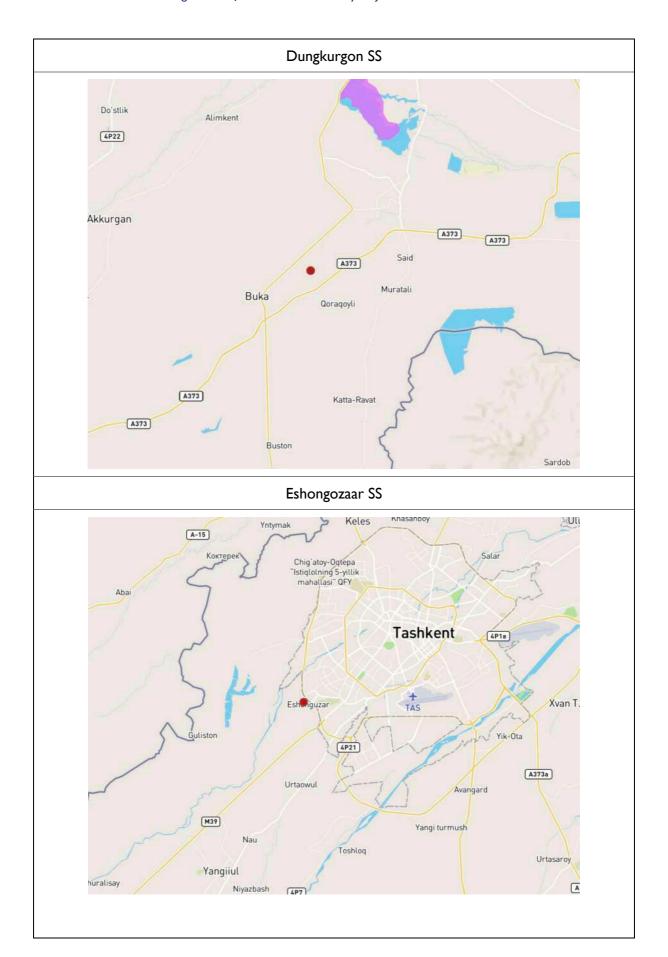


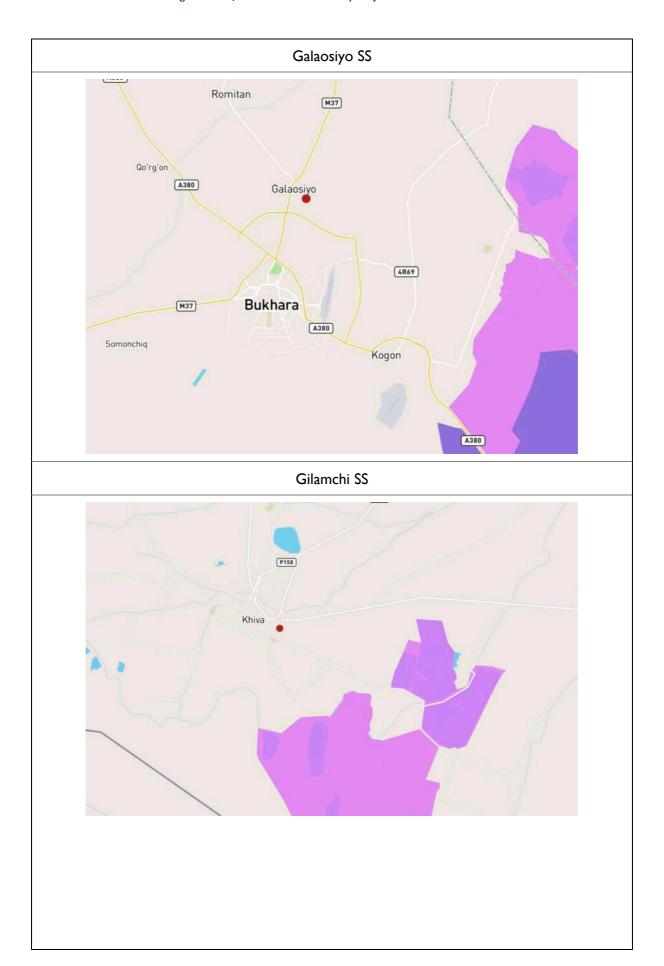


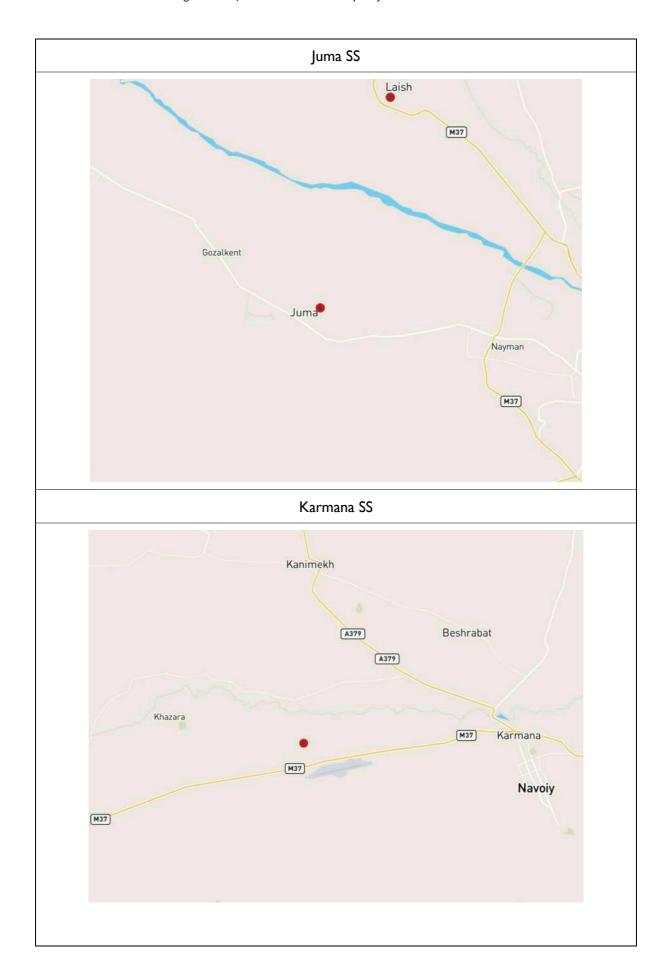


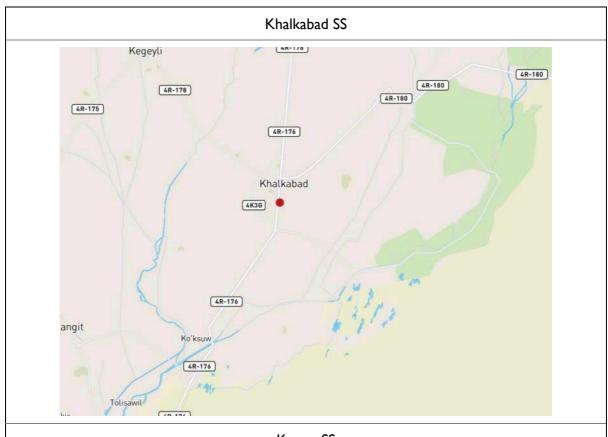




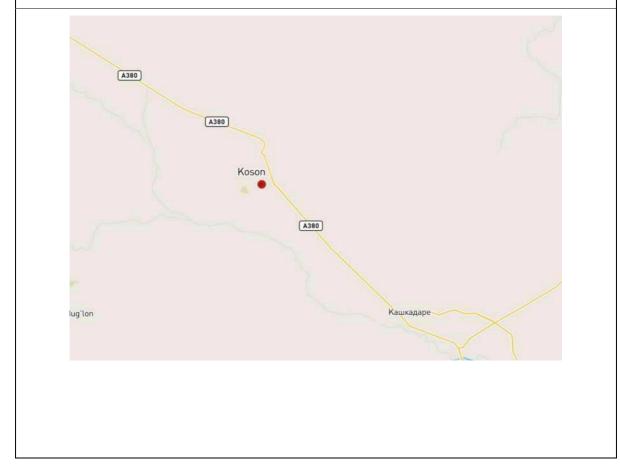


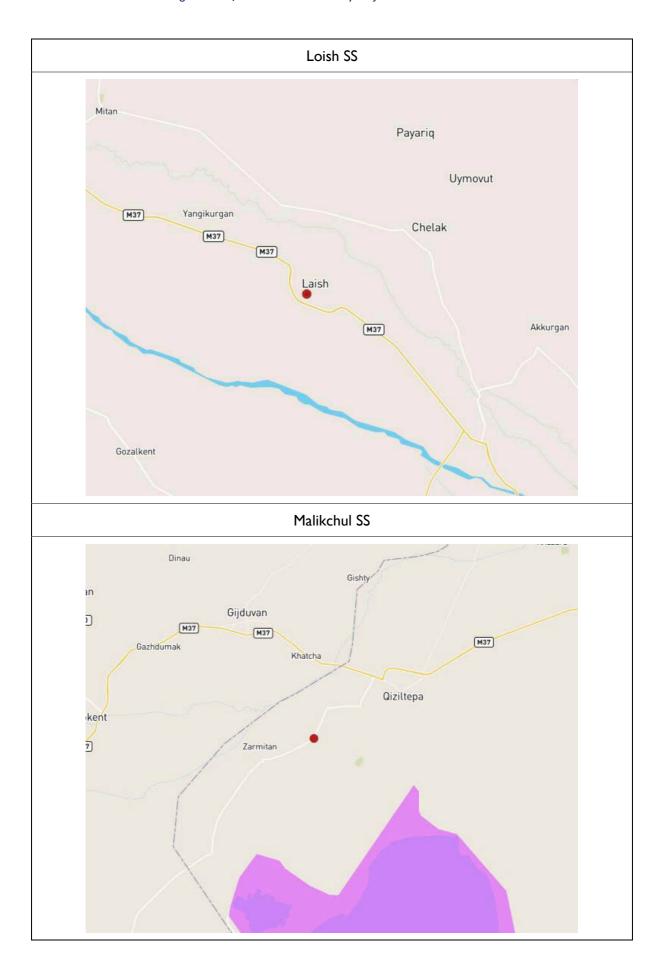






Koson SS



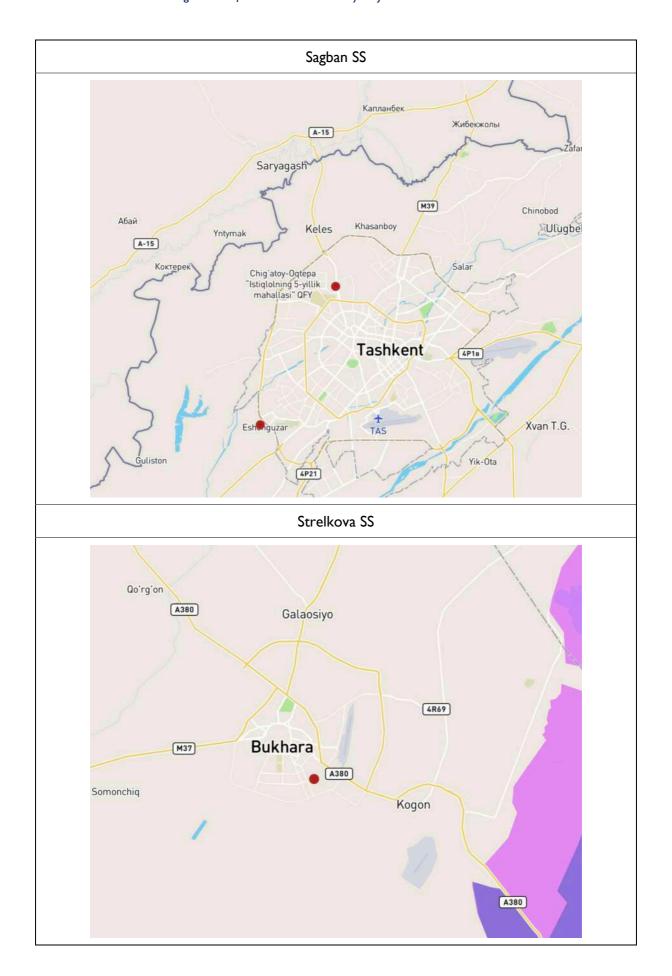


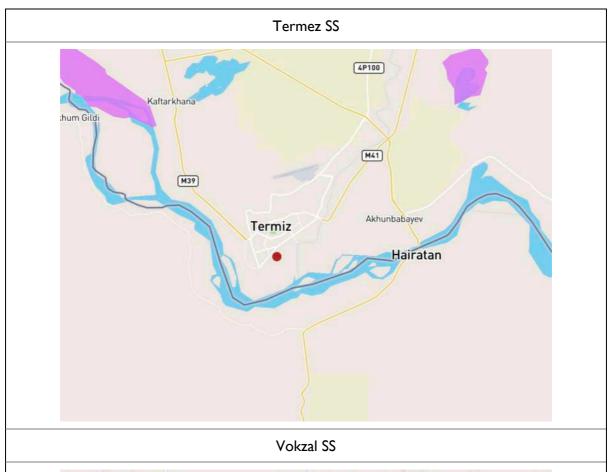


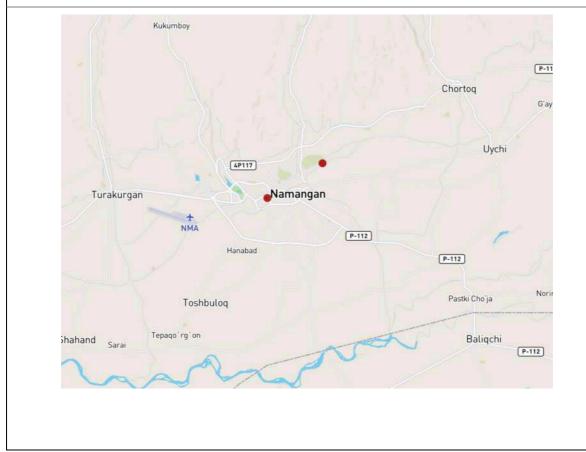
Tepaqo'rg'on

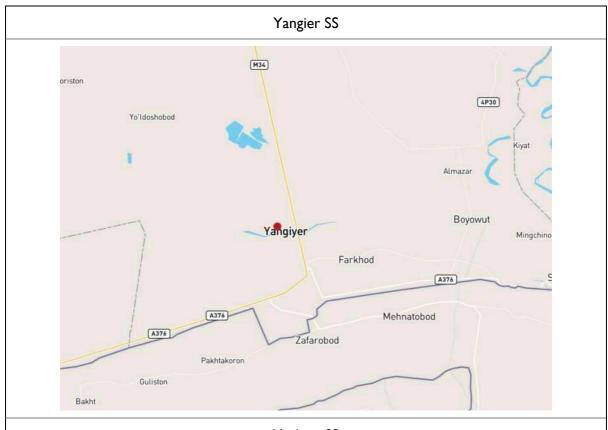
Baliqchi

P-112

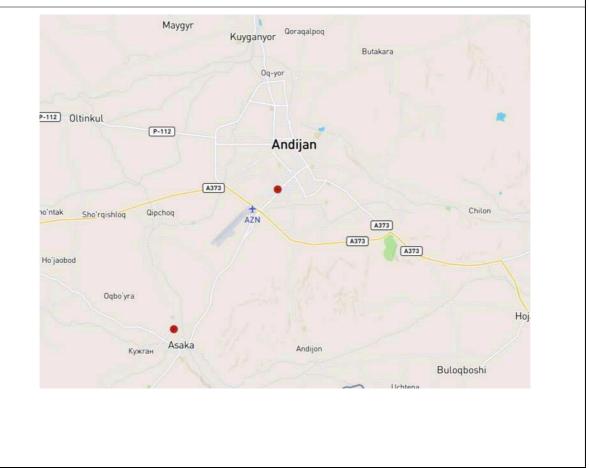


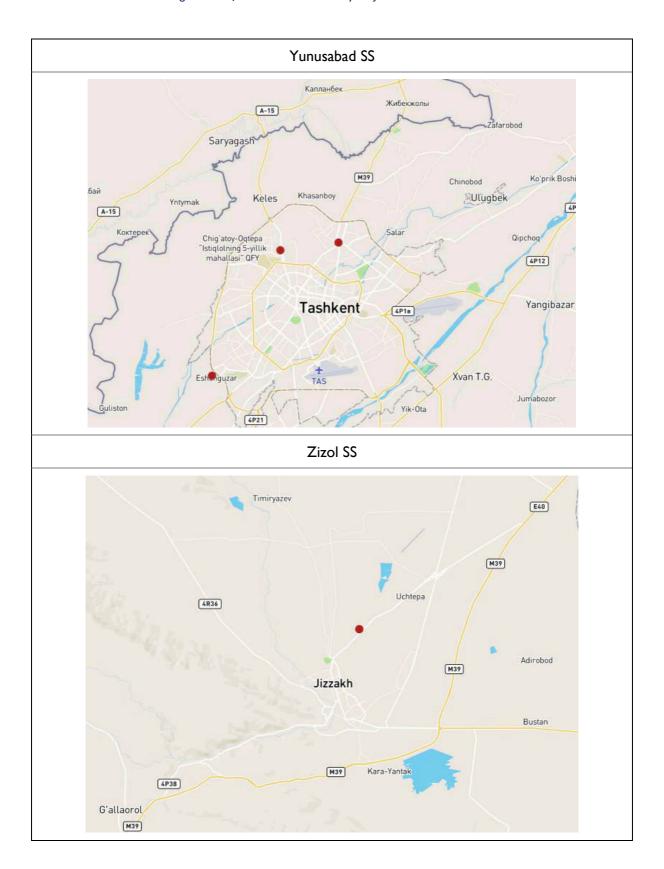












Appendix C - Consultation Information

M-I Project Information Brochure





ЎЗБЕКИСТОНДА ТАРҚАТИШ ТАРМОҚЛАРИНИ МОДЕРНИЗАЦИЯ ҚИЛИШ ЛОЙИХАСИ



ЛОЙИХА ХАКИДА МАЪЛУМОТ: Узбекистон Республикаси Президентининт "Узбекистон Республикасининг 2022-2026 йилларга мулжалланган инвестиция дастурини тведиклани хамда инвестиция дойнхаларнин бошкаришнинг янги ёндашув ва механизмларини жорий этиш ту́-грисида"ги 2021 йил 30 декабрдаги 72-сонли карорига асосан амалта оширилаёттан "Узбекистонда таркатиш тармокларини модернизация килинг" инвестицион дойнхаси Осиё тараккиёт банки хамкорлигида амалга оширилиши режалаштирилиб, 1292.8 км узупликдаги жами 81 та электр диниясини хамда 161 та мавжуд ним станцияларни модернизация ва реконструкция килиш ишлари амалга оширилиши ку́зда тутилган. "Худудий электр тармоклари" АЖ дойихани Лойихаларни Амалга Ошириш гурухи томонидан амалга оширади.

<u>ЛОЙИХА ТАРКИБИ:</u>

- 1. Мавжуд 161 та ним станцияларини тўлик ёки кисман реконструкция калиш
- Мавжуд 1292.8 км узунликдаги жами 81 та электр узатиш линияларини тўлик ёки кисмая реконструкция килиш.

ЕР АЖРАТИШ ВА КЎЧИРИШ ЛОЙИХАСИНИНГ ВАЗИФАЛАРИ:

- Мумкин бўдмаган жойдарга кўчиришнинг олдини одини хамда дойиха ва чизмадарини ўрганган холда кўчириш ишдарини камайтириш;
- Янги жойга кўчирилган хонадовларынні турмуш даражасини лойихадан олдинги даражага нисбатан реал тарэда ошириш ёки олдинги даражасини таъминлаш;
- Янги жойга кучирилган ижтимоий ёрдамга мухтож (онла бошлини кам таьминданган, онла бошлини бокувчисини йукотган, онла бошлини погироплар) гурухдаршинг турмуш даражасини оширишта ёрдам бериш.

<u>ЕР АЖРАТИШ ВА КЎЧИРИШ ЛОЙИХАСИ ҚУЙИДАГИЛАРНИ ЎЗ ИЧИГА ОЛАДИ:</u>

Жисмоний таъсир (яшаш, турар жой ва бошпанасини йўкотиш);

Иктисодий таъсир Ер ажратилиши ва кучирилиши хамда оддинги еридан фойдаланишда куйниган чекловлар натижасида даромад ва тижоратини йукотиш.

ЕР АЖРАТИШ ВА КЎЧИРИШ ЛОЙИХАСИНИНГ МАҚСАДИ:

Лойиха доирасида вактинча ва доимий таъсир килинувчи срдан фойдаланувчилар сонини аниклаш.

Осиё Тараккиёт Банкининг 2009 йилдаги сиёсий-ижтимоий химоя талаблари ва Ўзбекистон Республикаси конун хужжатлари талабларига мувофик ер ажратиш ва кўчириш ишларянинг тартиб ва механизмларини ишлаб чикиш.

ЕР АЖРАТИШ ВА КЎЧИРИШ ТАЪСИРИ ТУРЛАРИ:

1. Вактинча таъсир

1. 161 та ним станциялар атрофида срдан фойдаланувчилар объектларита таъсир;





1292.8 км электр узатиш линиялари остидаги ердан фойдаланувчилар объектларига таъсир;
 Курилипш жараёнида экин майдонлари ва дарахтзорларга етказиладиган таъсир хисобланади ва бу ерлар курилипшилари якунлангандан еўит ердан фойдаланувчилар ихтиёрига яна қайта топширилади.

Таъсир ва йўкотишлар учун зарарлар кимларга тўланади	Зарар қопланадиган таъсир ва йўкотишлар		
 Доимий ва вактинчалик таъсир остидаги фермер хужаликлар; Экин ва дарахтзорларини йукоттан жисмоний ва юридик шахслар; Турар ва потурар жойларини йукоттан жисмоний ва юридик шахслар; Доимий ва вактинчалик тижоратини йукоттан бизнес ва ишчи ходимлар. 	 Кишлок ва нокишлок хўжалиги ерлари; Турар ва нотурар жойлар; Экин ва дарахтлар; Бизнес ва ишчи ходимларга доимий ва вактинчалик таъсир; Ижтимонй ёрдамга мухтож (онла бошлиги кам таъминланган, онла бошлиги бокувчисний йўкотган, онла бошлиги ногиронлар) гурухлар учун кўшимча ёрдамлар. 		

ЭБТИРОЗЛАРНИ КЎРИБ ЧИКИШ МЕХАНИЗМИ "ХУДУДИЙ ЭЛЕКТР ТАРМОКЛАРИ" АЖ:



Юридик манзил: Тошкент ш., 100000, Юнусобод тумани, Осиё кўчаси, 8 уй.

Телефон: +998 78 150-11-54 (Лойихаларни амалга ошириш гурухи) +998 71 207-23-76 (Ишонч телефон раками) хамда

1154 (Call маркази телефон рақами. Қунгироқ пуллик)

Веб-сайт: het.uz

Электрон ночта: <u>info@het.uz</u> https://t.me/hetmuloqot



ADB ASIAN DEVELOPMENT BANK

ЎЗБЕКИСТОНДА ТАРҚАТИШ ТАРМОҚЛАРИНИ МОДЕРНИЗАЦИЯ ҚИЛИШ ЛОЙИХАСИ

ЕР АЖРАТИШ ВА КЎЧИРИШ МАСАЛАЛАРИ БЎЙИЧА ДАСТЛАБКИ МАЪЛУМОТЛАРИ

DEKABPS, 2022

OUR ROSCHETANCE ARREST BRADEFINES.



Меъёрий асослар

□№збенистон Республикаси Президентичние "Язбенистом Республикасиниит 2022-2020 Яниларга ийликаливетам импестиции дистурник тисункувам джиру в «менетиция поблидаварения болокрупенные эних бидениум ка меканизмуарини морий этиш "Ячикима"ти 2021 ймл 30 деябрали 72 сомим вкраим

Шээбемустон Республикасиных 29.06.2022 Жулдали РРК-781-сомия Тер участкаларини компенсация оврожа жамоат эктибеняры учун огиб «Жама теотиб-теомилиари туприсида" Комини.

□Рэбовисток Распубликося Вахироар Маккамасиния 10.11.2015 №9.11 соили «Жистиний за юридии шахогарини» комунулутиру нафолектории тахминали узмур ер участворяющих отоб «Живш за юмиле-ковция берии тарлебней такомасили доили доиру «Димена чар» тарбарую т‡ургосциям документа доиру «Димена чар» тарбарую т‡ургосциям документа доиру.

□Въбемистон Республикаси Вазириар Махиамасинния 25.05.2011 №148 шахарсованк фацинтични амалга сшириш хамса, иншлак кумалична онд булиатан бошка эсспенияар учун ео участкалари бериш тартибини насмилаципариш чера наубиризари утермилада.

Осне Таракриет Банкиния 2008 йилдаги сиёсий интимовій криков талаблари.

ADB ASIAN DEVELOPMENT BANK

Лойиха хақида маълумот

"Узбекистонда тарқатиш тармоқларини модернизация қилиш" инвестицион лойикаси Осиб тараққийт банки қамкорлигида амалға оширилиши режалаштирилиб, 1292,8 им узунликдаги жаки 61 та мавжуд электр линиясини қамда 161 та мавжуд ним станцияларни модернизация ве реконструкция қилиш ишлари амалға оширилади.

"Худудий электр тармоклари" АЖ лойихани амалга ошириш гурухи томонидан амалга оширилади



Лойиха хакида маълумот





Ер ажратиш ва кўчириш лойихасининг максади

B ASIAN DEVELOPMENT BANK

ADB ASIAN DEVELOPMENT BANK

Ер ажратиш ва кўчириш лойихасининг мақсади:

- Лойика домрасида ваңтинча ва дойимий таъсир килинувчи ердан фойдаланувчилар сонини вниклаш
- Осиё Тараққиёт Банкининг 2009 йилдаги сиёсий-ижтимоий химоя талаблари ва Узбехистон Республикаси қонун ҳұжжатлари талаблариға мувофиқ ер ажратиш ва күчириш ишларининг тартиб ва механизмларини ишлаб чиқиш

Ер ажратиш ва кўчириш лойихасининг максади

ADB ASIAN DEVELOPMENT BANK

Ер ажратиш ва күчириш лойихэси күйидаги таъсирларии үз ичига олади:

Жисмоний таъсир

яшаш, турар жой ва бошпанасини йукотиш,

Иктисодий таъсир:

- Ер анфатилиши ва кўчирилиши камда
- Олдинги еридан фойдаланишда кўйилган чекловлар натижасида даромад за тижоратини йўкотиш

Ер ажратиш ва кўчириш режасининг вазифалари

- Мумкин бўлмаган жойларга кўчиришнент олдини олиш хамда лойиха ва чихмаларини ўрганган қолда кўчириш ишларини камайтириш;
- Янги жойга кучирилган хонадонларнинг турмуш даражасини лойихадан олдинги даражага нисбатан реал тарэда ошириш ёки олдинги даражасини тазмичлаш,

Ер ажратиш ва кўчириш таъсири турлари

1. Доимий таъсир:

Құрилиши жараёнида бино-иншоот (турар, нотурар) объектларга етказиладиган таъсир қисобланади за бу ерлар таъсир остига тушган ердан фойдаланувчилар балансидан чикариб олинади

2. Вактинча таъсир:

Құрилиши жараёнида экин майдонлари ва дарахтэорларға етказиладиған таъсир жисобланади ва бу ерлар курилиш ишлари якунланғандан сўнг ердан фойдаланувчилар ихтиёрига яна цайта топширилади.

Ер ажратиш ва кучириш режасининг тамойиллари

- 1) Лойика домрасида ўзган, козмоги ва меланалдаги бўляши мумкин бўлган яўчириш ишларини аниклаш
- Лойика таксирите туштан ехоли, макаллий хонимият ваниллари ва тегишли ташкилотвар билан давра сухбатларини олиб бориш.
- Лойиха докрасида ер виратиш ва кучириш масалалари буйича илтировларни «Уриб чициш маканивични ярхичш.
- 4) Компенсация, кўчириш масалалиры Бўйича харакатлар дастурини ишлаб чикиш
- Якти нойга иўчерилган хонаданларнинг турмуш даранасния лойихадзе олдняги даражага нисбатан реал тарада ошириш ёни олднеги даражасния тарминлаш.
 - Пул иўриницидали компенсацка

бино ва иншозтта, туморатта, чишлок, куналитита бултан тавсир компенсацияларининг тулик, коловнициен тавличносц

Ер ажратиш ва кўчириш режасининг тамойиллари

б) Ингимонй ёрдамга мухтом (онла бошлиги кам тазминланган, онла бошлиги бокувчиськи й\(\hat{g}\)(оттан, онла бошлиги ногиронлар) гуруклирони турмуш даровносини ошириш ёли миллий минимах стандарт/гарга гентлаштириш.

7) Лойкод кучириш ишпаридан олдин компенсацик қотоғаб бериш

Тавсир ва йўкотишлар учун зарарлар кимларга тўланади

- Доимий ва вактинчалик таъсир остидаги фермер ва дехкон хўжаликлар,
- Экин ва дарахтэорларини йўқотган жисмоний ва юридик шахслар.
- Турар ва нотурар жойларини йўкотган жисмоний ва юридик шахслар.
- Доимий ва вактинчалик тижоратини йўкоттан бизнес ва ишчи ходимлар

Лойния доирасида интимовій иктисодий сўровнома ўтнавилгандан сўнс курмлган бино-инциоатлар ёни «ўрилган бошна зарарлар лойняя домроская коплантайци

ADB ASIAN DEVELOPMENT BANK

Ер ажратиш ва кўчириш режасининг таркиби

Лойица:

Ер амратиш ва иў-ириш ишлары режаси-инг хукучий асослари;

 Поймке допрасида доминй ва вактинчални такжи остидати объект туриариннит (ер. бино иншоотлар, экинизр. дарактир ва ж.н.) иўосатилиши;

«Ер амратик» ва иўчирны рамаси докрасида хукруній матрица баёноти ва баколаш тамойнилары

•Таъсир остидали шаксларнинг гурухланиши:

Ер анратиш ва кўчириш ишлари режасининг тадбик, юклиниш фазалари ва институционал келишувлар.

•Эштирозларни куриб чикиш жараёни тартиби.

Ер ажратиш ва кўчириш лойикаси мониторинги талаблари.

«Ер акратиш ва «ўчиркш лойнкаси жараёняда расмий сукбатлар-консультация жараёни боскичлари маълумотлари.

Ижтимоий ёрдамга мухтож ва жиддий таъсир қилинган хонадонлар

Жиддий аучотты на тавсир — Енр марта у килинган конадонлар

элэрээнинг ишлаб чидаржы эктивларинг 10% на ундан ортиц микдорд Гуцотган на жисмоний таксирга тушган хонадонлар эар марта туланадисан 3 ойлих энг инж иш хаки хонедорццаги ерцих пули

Быр марта тульнодисан 3 ойлия, энг или иш хивд хэнгдэдидаги ордох тулн. Шунгчислен үчлэр өлбиха доврагисдаги иўдиниш мысарига на 5; маштулотлирист биринны булиб ушбу турх ахалаари олинады.

Ижтимоий ёрдамга мухтон конадонларга тяъсир Ижтимонй ёрдамга мүхтон омла бошлиги нам таъминланган омла бошлиги бокурчисини Яйкотган, омла бошлиги негиронлор бүлгэн гурухлар учун күшнина ≣рдамлар

Бир марга түлжнадиган 3 сөлин эн налх нш хаки миңдорхудаги ёрдөм пуни Шунингдек улар лойиха донрасыдаги құрылыш ишларыға па үкүз маштулотларыға бирмичи бұлиб ушбу гурук акзолари олинади.

Ижтимоий-иктисодий сўровнома таркиби

ADB ASIAN DEVELOPMENT BANK

- Асосий маълумотлар:
- Ер участкаси хакида маълумот факат фермер хужалиги ва ердан фойдаланишда;
- Ердан фойдаланувчилар хакида маълумот;
- Кишлок, хўжалик экинларига таъсир,
- Усимлик ва дарахтларга таъсир;
- Бино-иншоатта таъсир;
- Бино иншоатта таъсир батафсил;
- Бино-иншогт эгалари за фойдалаувчилари хакида маълумот
- Тижорат (бизнес) эгалари ва фойдаланувчилари хакида маълумот;
- Таъсир остига тушган уй-хўжаликлари тўгрисида маълумот;
- 11. Таъсир остига тушган үй-хўжаликлари оклалари тўгрисида маълумот,
- Күшимча маълумотлар.



Лойиҳа тадбиқининг кейинги босқичлари

- Ер ажратиш ва кўчириш лойиҳасининг татбиқ қилиниши ҳамда ОТБ ва Ўэбекистон Республикаси Энергетика вазирлиги томонларидан тасдиқланиши үчүн тайёрланиши
- Батафсил ер ажратиш режаси асосида таъсир килинувчи субъектлар ва объектлар руйхатини янгилаш;
- Таъсир остидаги ер ва бино иншоатларни аниклаш.
- Таъсир остидаги жисмоний ва юридик шахслар билан иңтисодий ижтимоий сўровномалар ўтказиш.
- ▶Таъсир остидаги субъектлар ва объектлар йўқотишлари учун кўрилган зарарларни бахолаш

Лойиха тадбиқининг кейинги босқичлари

Ер ажратиш ва кўчириш режасинининг ОТБ томонидан тасдикланиши.

3. Тасдикланган Ер ажратиш ва кўчириш режасининг татбик ва мониторинг килинишн

Зарар на компенсацияларнинг копланиции

Махаллий хокимият тарафидан ер ажратилиши

Уй жойларнинг кўчирилиши

Ер ажратиш ва кучириш режасининг мониторинги

Мониторинг хисоботларининг ОТБ тарафидан тасдикланиши

4. Құрилиш ишларининг бошланиши



Зарарларни бахолаш

□Узбекистон Республикаси Вазирлар Маккимасининг 16.11.20.19 №9.11 союли «Жисмоний на коридия шахсларини луль дукуплари кафолатларини таъминлаш камда ер участкаларини олиб куйнш ва компенсация бериш тартибини такомиллаштиришта доир кушимча чора тадбирлар тутрискда» и карори;

□Осиё Тарақуиёт Банкининг 2009 йилдаги сиёсий ижтимонй химоя талаблари (хуқуқий матрица) ва Узбенистон Республикаси қонун ҳунжазлари галаблари/а мувофик бахоланиши.

Олойихани амалга ошириш турухи томонидан лицензията эта мустақил бахоловчи компания томонидан бахоланиши ва бу харажатлар буюртмачи томонидан қолланади.

Авар тушеан хонадон/фермер хўжалиги эгалары бу бахоланган нархдан хониқмаса бу хақда ладихани амалга айшриш гурухига Езма равишда мурожаст қитинады ал ўз хисобидан баколатиб хунжастлар ладихни амалга айшриш гурухига тақдык қилинады.



ASIAN DEVELOPMENT BANK

Эътирозларни кўриб чикиш механизми





Эътирозларни кўриб чикиш механизми

Лойихани амилга ошириш гурухи:

Мансия: Тошкент ис., 100000, Юкусобод тумать. Осий кучаск, 8 уй.

Телефон: +998 78 150-11-54 (Лойихани амалга онициии гурухи рақами)

+998 71 207-23-76 (Ишонч техефон раками)

1056 (Ички техефон раками) хамда

1154 (Call маркази телефон ракоми. Кунгиров пуллик)

Beô-caum; het.uz

Электрон почта: info@het.uz. https://t.me/hetmidogot

Эътиборингиз учун рахмат!

Савол ва жавоблар

M-2 List of Participants and Photos

Location: Fergana province (date: 10.12.2022/time: 10:00)

i/Pia	un Represer Prenform	ИШТИРОКЧИЛАР РЎЙХАТ LIST OF PARTICIPANTS	722	10:12 202
N ₂	Ф.И.Ш/ Name, Surname	Иш лапозими/ Position held	Tenedon/ Telephone	Имзо/ Signature
I.	Axmed A	11 lt 05 Burn +4	93-977-67-60	de
2.	Markement &	ШАОБ пуртия с	90-163-11-55	The -
3.	Trempol A	ULAD wygonge a	90-165-00-11	OK
4.	Cocumba 1	Mercofe	91-671-01-97	A)-
5.	Parinos C	Myxounc	97-501-01-28	A.
6.	Troumness of 4	Myskinc	97-417-18-58	64
7.	LONDON SE W	Myjorga c	93-044-31-01	N.B.
8.	Trogue Pelo A	De case	90-633-01-02	De.O
9.	As 10006 40	Br. cas 24	97-413-15-12	Brees
10.	Hogy por reclioby	lyears	90-300-80-90	ZAL,
11.	Alemond y	Myestope	91-662-66-60	71.

12.	Paines 600 pol Megrypy a no	Myrakgue	31256-0509	Markon
13.	Garamal Azur Sek	муханделя	95-283-13-09	and
14.	Harpel web Taxogur	31- NOKTEP	34-568-08-21	MIN.
15.	Memonowo Bergungder		93 982 2555	All
16.	Howykol Callap	К.К. Бетаки изколдись	93910-99=70	Lewy
17.	Magnesimolo furana	ИНТК мухандия	99 526 33 04	Spirit
18.	Yeungola Grenoi	gyrnau-no	PO-04-018 28	Sills
9.	Ногашева Тулица	мующом	31444-84-24	-tople
0.	Con sono b Mining	agnongo	93-425-05-18	NAP
1.	Hazalibereba Mus	meruser	50-382-93-16	deli .
,	Doninol Xacqueou	Мукандые	33-147-26-96	and B
	Turanamel Acus Son	JU- MOHTED	97.623-77-99	Minth?
. 1	Alexande Michin	MCK GOWNITH	93 910 1201	150
	Amulella L	PEX PERHURA	37 97-8 9770	B-
1	Kapu soba M	MCX onepamonu	91-602-33-26	Dela-

7. P.	to AX	Sour nut	93 910-43-20	~West-
8. Elas	namoneba Q	Myrangue	90-268-05-58	lof.
de l	woudh A	Boweup	94-438-44-41	Jul .
o	say carrected &	eryoforus	93,910-22-75	abutel
10	kycofs %	or nower	93-440-39-83	rork
	ecoptob 0	H. wontep		KK
3,				10
4.				
5.				
6.				
7.				
8.				
9.	11-11			
0.				

Location: Andijan province (date: 12.12.2022/time: 10:00)

ASIAN DEVELOPMENT BANK ИШТИРОКЧИЛАР РЎЙХАТИ/ LIST OF PARTICIPANTS Cana/Data 12.19.2022 Ф.И.Ш/ Телефон/ Ni Иш лавозими/ Имзо/ Position held Telephone Name, Surname Signature 1. 93-910-01-87 93-910-01-72 93 910 22 02 90-204-02-26 97 993.33,36. acohiddin Fehilangae 34-600-7664 EN TUNEHZON

ADI	B ASIAN DEVELOPMENT BANK
01	A
872	not !

12.	Mur rexuesol O	Mysseync	93.044-31-01	A
13.	Moss show C	MCK/ suffrenge	93 979 67 87	suf-
14.	Clerique 6 5	UCX agrange	9166 8543 -	- Jan p
15.	Mayraceb 1	HPX years	93 980 96-76	1.46
16.	Tragunas V.	ou ans Du.	9455077-55	18c
17.	Kapujop W	lengos seg z	925901232	Yea
18.	Himstell M	DULKE	11 10 OBC. P.C.	IIIMS
19.	Pox sup joch 4.	puix Wh sugar	93-980-11-33	P.S
20.	Manypogob A	PULLAND MY	90-667.08-04	- Whole
21.	10 commence M.	M/Cm Convex 110-35-1018	90670.54.30	200
22.	Kame 6 Uy	410m Amage 10/35/600	732539675/72	Egus .
23.		M		
24.				
25.				
26.	100			

Location: Namangan province (date: 12.12.2022/time: 15:00)

ADB ASIAN DEVELOPMENT BANK

y See	words	TUNSOROUS	TO PURE PERSONAL	подержизация	surine	paintano
0	0	,		010	SHAPE SHOWING	- Walter Walter
			иштир	ОКИН ТАВ ВЎЙУАТИ	,	

Nº	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Telephone	Имзо/ Signature
1.	Алистов Муханиодист	Техний директор	33 915-71-35	Home
2.	Мукланамов Гульантон	PXAX Sociensa	93-915-00-48	026
3.	Мунатановисномина	MX Sourcego	93-915-15-21	TB
4.	Миривания ван пом.	IDKTX Soeneusu	33-915- 45-64	a
5.	Kowed Marygo	ЮКТА бышен урин.	94-308-00-76	JADON F
6.	Parusob Mypogna	TIVX suyrongues	33-948-58-85	Auck
7.	Коробаев Ябулита	TH' K suyrangues	93-646-11-40	havel
8.	Kosupael Myrpai	тичк мухандим	93-405-05-55	York
9.	Зопиров Охухтой	мен бошемы	93-915-11-08	15:35
10.	Буназадоров Зогрор	Mell segrangue	93-677-7975	OF S
11.	11: 05	IOVEX	91-401-401	1/0000

Coundach Oromup	a Clar Sourcesy	93-915-71-11	(AZ)
Munach June	а Связ вошиля свя уринбогари	22-915 7011	Sufat
1. Just Gray	. 1/		7 / /
5.			
6.			
7			
8.			
9.			
0.			
er.			
22.			-
23.		110	
24.		77.16	
25.			

Location: Syrdarya province (date: 13.12.2022/time: 10:00)

6/Pta	MINTUPORMUJAP PSÜXATILI LIST OF PARTICIPANTS Cama/Data 13.12.2022				
N _E	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Теlephone	Имзо/ Signature	
1.	· Mosrob. D.	му конрос.	993458211	TED	
2.	Pocyceb. O.	TORNUK	941238899	R.O.R.	
3.	Турсунаучаныя	My Kanalee.	93 913 3095	Vel. 19	
4.	Ошонов.	syringer.	993266111	6	
5.	Очиов	Mynague	994740403	luk	
6.	A. 5x5ael	Мухандие	902555999	St.	
7.	A Housel	Marcogru	90-684-13-88	1000-	
8.	I. Maxeypob	Myxanoue	91-50023-23	Hom	
9.	D. Francisco	Syxon Juc	67-225-36-34	eff.	
10.		Myronguo.	972750063	A	
11.		9		1 A	

Location: Djizzakh province (date: 13.12.2022/time: 15:00)

ИШТИРОКЧИЛАР РЎЙХАТИ/ LIST OF PARTICIPANTS Cana/Data /3 16 2012 /					
Nt	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Telephone	Имзо/ Signature	
1.	Toggyus Pop xog	Yeta	97 025 26 36	Leif	
2.	Аликуров санжар	en tuna HZOR	91 626 26 06	del	
3.	Ponuel Mexpoz	Ch rukantap	91 625 46 46	REB	
4.	Mixupuontogrob Coxoot	ed ruionzon	90 485 35 56	· und	
5.	Упурдивеков Баходир	Мухандие	94 573 73 43	Turk	
6.	бобобенов Азонини		91 208-24-80	fdk -	
7.	France Koneya	and scored is	91599-0772	Jan	
8.	Hongool Guge Sex	regranaus	99355-06-00	feal	
9.	Давиров Отабен	He70	93.306 86.67	00	
10		DIENTPOLIUMTED	90.296-112-90	Vinte	
11	инемидов инрод	Электромонтар	94.190-12-21	CHeetz	

Location: Samarkand province (date: 15.12.2022/time: 10:00)

HILITUPOKYHJAP PŸÄXATU/ LIST OF PARTICIPANTS Cana/Data 15 12.1442 /				
Ne	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Telephone	Имзо/ Signature
I.	Hosopol law	447) DOWLEFE	91-555-22-45	1/000
2.	Xamiron DOBHER	TTX MILANDUON	44-086-66-75	-lak-
3.	Pozucob Barricep	STK. Bo P. Symun	90-2270330 _	28
4	Бабанов Зохия	OKC Sommen	99-383-80-08	des,
5.	C ya borrol Colorab	OR M Mysonacco	90-276-47-07	042
6.	Makeyoob Caave	, 28 BK ha T' 5"	99-507-57-25	Ats-
7.	Paryodech Dodory pox	22011/75	99-344-51-50	The
8.	Currench Cliec	OPC mysanguere	97) 408- 78.77	America
9,	Маниахов жасур	UZTX MY YON GUCU.	93) 352-66-70	Rist
10.	Possural Guapões	КВБ пирхондии	91 521-53-19	Ames 3
11.		0 0	99-343-83-88	and .

2.	Акбоев Бекзар	ОКС мухандые	94 185 56.56	ALD.
3.	Анваров Угогод	Ote мухандион	90-601-95-92	ff.
4.	Parkousto Marcoures	OKC Myxouguru	93 - 258 - 5135	PHI
5.	Гудай казаров Самаризгия	OKC MYRONGWON	91-299-57-33	BH
	Morboyer shread	PTS muxandisi	94:357-70-09	dethy
7.	30shtomor Pedas	3 RB muxandisi	910320171	701/
18.	Brossliger Bebrod	KGB muhandisi	+998 93 348 - 48-93	
19.	Faruel Antonny	KKB TEXHURU	+99893-354-39-90	J.fp
20.	•			
21.				
22.				
23.				
24.				
25.				Tale .
26.				The same of

Location: Kashkadarya province (date: 16.12.2022/time: 10:00)

иштирокчилар рэйхати/ LIST OF PARTICIPANTS Cana/Data 16. 12. 20.2 /				
N ₂	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Telephone	Имзо/ Signature
1.	Эшпуввотов Аскор	Ишна 5 гикариш бунын бас	99.456-77-15	10/
2.	Истагов жазборов	Rogerosiend Kuzmazu Som	1000000	- Comme
3.	Topiel Bornép	Сило 5 гикория булина уст		13/4/
4.	Подуповва Мартуна	MCKUZ SYNUWY FORWHER	+998904267299	Some
5.	Tamel Call Hop	UyTo mysorquen	+98833/603922	X
6.	Dalpenst Suzsex	LCXUR bys onance sigram	159891 482 4 4 00	Dack
7.	Adobuggussof Monstorlaggan	JCX4 & Sta Myongaa	+992395886562	Teps
8.	Lopipek Butomen	ic x a c 6 september	+ 99256485 3232	2001
9.	Manait Kurol dance	LET U. V.B LEGgarque	199199-981 92-92	Lu
10.	Wogywash Azan	MEXUR Syx Myxan	24	Smint
11.	Sleepmareum Durob Paux	9 40 9 17	28-320-57-75	dust

Location: Tashkent (date: 19.12.2022/time: 10:00)

5 An.	HIITUPOKYUJAP PŠŪXATU/ LIST OF PARTICIPANTS Cana/Data 19.12.1011				
Ne	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Telephone	Имзо/ Signature	
I.	Батирова 3.	ичтх муханые	71 233 98 45	杨戬	
2.	Akfanoba 3.	MYTX myxanger	71 233-18-96	Kenk-	
3.	Убаньянов Р.	CDTY weereb	71 233 7454	AD-	
4.	Caxapos 4.0	CDTY beg. unmerup	7/2337454	21.00	
5.	Supranue cash 80.	CUT unsue kep	74 23348.60	Shaw	
6.	N. Krypanuswo 6.	All 6 unsvered	11 233-14.46	The same	
7.	Myproxugol y 9P	AND Myrangue	f1. 233 - 17-46	Will	
8.	Levernune Sex	ОХО архивария	41 253-79-53	hiere.	
9.	Kanangapolo S. H	HOU To record	71 233-17-41	Jeli .	
10.	Umunoba T. X	Мерказий бухгал Герия. Дисоби	(74)233-50-28	Back	
11.	Pygar separate &	Oprovense recesse	(24) 205-50-20	Birth.	

12. Paäsquiaet P. D. 13. Ilderahmond. J. D.	CUT TEXALUK	30 042 -24 - 00	Founda
13. Alderahmono J. F.	зчх	9100910 30	airl
14.			- 47
15.			
16.			
17.			
18.			
19.			
20.			
21.	1		
22.			
23.			
24.			
25.			
26.			

Location: Republic of Karakalpakstan (date: 06.01.2023/time: 09:00)

			нштирокчилар руйхати				
MPTace Openante Sugar Regularies LIST OF PARTICIPANTS Canadona 06.01 202							
	Name,	LIII/ Surname	Hill Janosumn/ Position held	Телефон/ Telephone	Hmao/ Signature		
ymo	2040€	Horac But	Капичае куртине блан унранд	93 926 9360 6	Lucio		
Tool	weeks zoe	Hazere	Texture gregant to ythere and	93 924 0047 2			
92900		911	17C xuy Bourse		The		
Pose	чиноев	Mynosai	BIB. WHERE CARE	93 950-36-15	den		
The same of the same of		Ποραχαιπ	Beg una P3A	93 920-03-10	lub		
Apm	mytael	Kyaroas	Karaman Kypnene Spenish	93 920-11-18	Koff		
25	65.28	Parun	Unite diverse injunger	93 920-92-12	8 /2		
Man	yourt	Opeyão S	EINEKY V. Eg. um.	97.474-10 66	Decio		
10.4	1	& Barrap	Unacemap	91-306-00-83	attal		
150	scoep	1	сториер	91-306-01-01	6		
		1500					
JE.	houng 3	e c	Court	-	DB ASIAN DEVELO		
DIE					ASIAN DEVELO		
2 hu	redbuse	· 4	ayora Kayan	93-9406401	DB ASIAN DEVELO		
- Aug	mal pure	8	Myrabaceve	93-9406401	ASIAN DEVELO		
Jan 2	mal pure	· 4	ayora Kayan	93 9206501	ASIAN DEVELO		
Also Street	mal pure	8	Myrabaceve	93-9406101	A fur		
Also Elia	mal pure	8	Myrabaceve	93-9306101	A SIAN DEVELO		
Also Street	mal pure	8	Myrabaceve	93-9406501	A SIAN DEVELO		
And W	mal pure	8	Myrabaceve	93.9406401	A fur		
2 Aug. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	mal pure	8	Myrabaceve	93-9406401	ASIAN DEVELO		
Ans.	mal pure	8	Myrabaceve	93 9306101	A SIAN DEVELO		
Ans.	mal pure	8	Myrabaceve	93 9406501	A SIAN DEVELO		
Auson Phase	mal pure	8	Myrabaceve	93-9406401	A for		
Ans.	mal pure	8	Myrabaceve	93-9406101	ASIAN DEVELO		
Also Electrical and a second an	mal pure	8	Myravane	93.9306101	A SIAN DEVELO		

on Ph	COMPTON LOSS OF PARTICIPANTS COMPTON LOSS OF PARTICIPANTS COMPTON DE CONTRACTOR CONTRA						
¥è	Ф.И.Ш/ Name, Surname	Hiii давозими/ Position held	Телефои/ Теlephone	HM30/ Signature			
1.	POSNONOG DONA ije	KKE Kyzangaca	\$30go 8858	af			
2.	Hyemasiach Wheperg	ЛСХТБ стако хойага мулично	91 839 6859	Shellartes			
3.	Xanuel Omasex	CYEX Samuel	97. SUL B 2 08	20			
4.	Gangel Gulber	MED Myranguey	94.513-91-00	Janet			
5.	Laperent clientes es	quester 20.0 cm CF7	9875/0165	Meen			
6.	Оразимотов Икран	HEREDDHUER BBC	94-234-88-38	1/2			
7.	Argywood urpepa)	FERRENI GALVEROPE	99 507 84 14	1/ston			
8.	Tyrosylegol Frach	Lourou supargue	97-608-58.00	(then)			
9.	Xakimo & Bobonwood	logicachi muyandis	99-332-11-41	XE			
10.	Anna Esperanus J. 10.	445x Toughete	94-311-32-91	callak			
11.		Erw Herrik	96-352-0110	-8-			
12	Thumpark A	my valent eve	ADE	ASIAN DEVELOPMENT B			
13	Hapterab 11	Vogen .	97 51279 09	1000			
14	IT a P-V	and a second	_	PX			

12 transports -	A my viewed eve	-	Vert -
11. Hapterab 11	He grant co	97 51279 09	de
Valence y	us on social	_	Sell
15.	0		
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			

Location: Khorezm province (date: 06.01.2023/time: 15:00)

Location: Bukhara province (date: 07.01.2023/time: 09:00)

	nce Everyor law var Buthares	ИШТИРОКЧИЛАР РЎЙХАТІ LIST OF PARTICIPANTS		tn 07 o/ 2023
N ₂	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Telephone	Имзо/ Signature
2.	Armoquel Pouruns	PXX uyoaugueu	936227610	Am
3.	Тимиров Инерат	ВОК шуранриен	97 301 59 35	114
4.	Mapinal Pelma	PXX U41 Commun	88 30000 18	54
5.	Ахиедов жахонир	UNT5 my rongua	The state of the s	Axen
6.	XA Ugapob M.A	11275 MYXAMENCH	91-311-06-12	Dursecesiuf
7.	Myugel H	2Th BX Myxanguou	91- 952-58-85	The state of
225-0	Baxwasioel M.	STEBX 3-1/secont oper	883099010	Mak.
8.	Pammarka 3	NXIX eraper my		Contract Con
9.	Majueba SIP	SIXTX mygansever	943053530	7050g
10.	Lugar Sapeub O. K.	2		0
11.	Nappure A	My 72 xacce	58-274-36-36	Carpy.

ADB	ASIAN DEVELOPMENT BANK
	CONTRACT DE LE L'ONNE METAL DE MAN

Убеган подво прешти присведний этоверей дажей шени нашкаей

HIIITUPOKYUJAP PĒŪXATU/ LIST OF PARTICIPANTS

MONTHUR Habous bus on Howai province

Cana/Data 07.01. 2003/15:00

Ne	Ф.И.Ш/ Name, Surname	Иш лавозими/ Position held	Телефон/ Telephone	Имзо/ Signature	
1.	Carposes Paymen	seaperful Post Kinest	935849 17	Good	
2.	Normarel Johnungen	MONDER SERVE RUNG PROPERTY	95.431.39.05	2666	
7	Erontelosed Morry	and consum	98.338.31.15	del	
4.	Moneugurd Hog-p	UYTE SOWANE YPENED		ATT.	
2.	Baramos Ucnoses	мне туруч Есигия зи.	99 756 22.11.	arack	
7	Your Myspaggar	BKX46 VEY Southers.	99. 759-91-00	10	
9	Anonol Samot	НСК. Загилангар		85	
0	Kekingapak Sadlagas	HER getoco	91 /58-58-57	15 vie	
-	Бекнадарь в Волевада Бозоров Сункат	AIP % Ba AX pyzorgucu	93 460.95-94	Busher	
K	Typnuegob Cogur	St. PY ha AV assgrow grow.	93669-59-69		
1.	Julyman Spyriat	AKCX MAXEINGARA	93 434-2553	Single	

ADB ASIAN DEVELOPMENT BANK

2.	THE RESERVE OF THE PARTY OF THE			
	Aypoingsob Boxug	NHC ATTURBHEAGE	94. 220 28 09	SHOW
13,	Wesmout Indan			10
14.	W 6 7	Winesce (2)	94 220 29 61	1.0
15.	Myanesia C Const	Vagun	_	100
16.	HOEVERONUL C	Xofur	-	- Harfan
17.				
18.				
19.				
20.				-
21.				
22.				-
23.				
24.				
25.				
26.				

Location: Navoi province (date: 07.01.2023/time: 15:00)

Location: Fergana province (date: 10.12.2022/time: 10:00)









Location: Andijan province (date: 12.12.2022/time: 10:00)









Location: Namangan province (date: 12.12.2022/time: 15:00)



Location: Syrdarya province (date: 13.12.2022/time: 10:00)









Location: Djizzakh province (date: 13.12.2022/time: 15:00)

Location: Samarkand province (date: 15.12.2022/time: 10:00)









Location: Kashkadarya province (date: 16.12.2022/time: 10:00)









Location: Tashkent (date: 19.12.2022/time: 10:00)

















Location: Khorezm province (date: 06.0 1.2023/time: 15:00)









<u>Location:</u> Bukhara province (<u>date:</u> 07.01.2023/<u>time:</u> 09:00)









Location: Navoi province (date: 07.0 1.2023/time: 15:00)





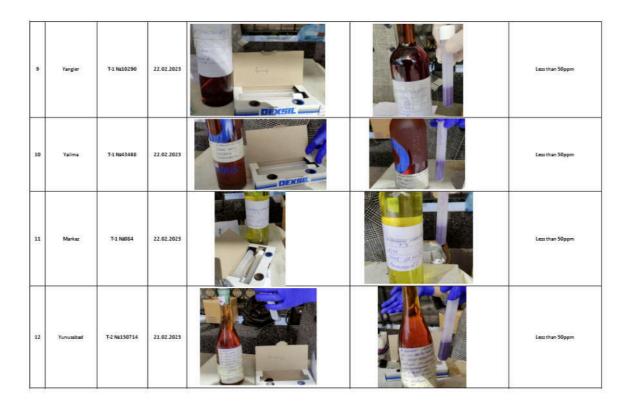




Appendix D – PCB Test Results

No	Substation name	Transformer number	Oil sampling date	The results of the analysis of transformer oil for the presence of PCBs Before the start of the test	Test result	Result on the instruction scale
1	Botanicheskaya	T-2 No155867	21.02.2023	Crack MON. St.	La common de la co	Less than 50ppm
2	Eshonguzar	T-1	27.02.2023	a Dicest.		Less than 5 0 ppm
3	Dunkurgon	T-1	27.02.2023	CALCO-PROBLES	Part of the second of the seco	Less than SOppm
4	Vokzal	T-1	24.02.2023	DENSIL	DEXIL	Less than 30ppm

5	Kimegar	T-2 No.114219	24.02.2023	CHE MEDIA.		Less than 50ppm
6	Atias	ы	3		The second secon	Less than 50ppm
7	Charthy	74	gi .	The state of the s		Less than 50ppm
8	Ziol	7-2	IJ	DEMSE	The second of th	Less than 50ppm



13	Acaks	T-2 No24646	22.02.2023		Less than 50ppm
14	Karmana	7-1	ä		Less than 50ppm
15	Malkchul	T-1 No19280	353	DEXIST	Less than 50ppm
16	Khalkabad	T-1 No12097	24.02.2025	DE MAN	Less than 50ppm

17	Gilamchi	T-1 Nu99373	22.02.2023	The same of the sa	Colombia de la colombia della colomb	Less than 50ppm
18	Galassie	T-2 Nu16132	21.02.2023			Less than 50ppm
19	leish	7-1	24.02.2023			Less than 50ppm
20	Strelkova	T-2 Ng4777	21.02.2023	TIENOTE		Less than 50ppm

21	Juma	T-2 No17532	23.02.2023	Traint.	Sa Marajanan Pala Sa Jamas Andrews Sa Jamas Andrews Andrews Sa Jamas Andrews Andrews Sa Jamas Andrews Andre	Less than 50 ppm
22	Termez	T-2 NI51	23.02.2023			Less than 50ppm
23	Beshkent	T-2 NoB454	27.02.2023	DENSIL		Less than 50ppm

24	Bagat	T-1 Ne19713	22.02.2023	The second secon	The same of the sa	Less than 50 parm
25	Kasan	T-2 No.105718	28.02.2023	NE NEW COLUMN TO THE PARTY OF T		Less than 50ppm
26	Sagban	(TNe9510	21.02.2025	CERTIFICATION AND ADDRESS OF THE PARTY OF TH	DEXEIL	Less than 50ppm

Appendix E - Guidelines for SEMP

I. Preparation

The Contractor is responsible for preparing the Specific Environmental Management Plan (SEMP). The SEMP is prepared after the award of the contract and is to meet the conditions of the relevant Contractor bidding documents.

The Contractor can move to the site and commence work only after the SEMP has been approved by the Implementing Agency (IA) Project Management Unit (PMU) and the Project Implementation Consultant (PIC, also referred to as the 'Engineer' or 'Supervision Consultant').

The SEMP is a contractually binding document and applies equally to the main Contractor and to Subcontractors under its control.

The SEMP must be compliant with (i) the SEMP conditions, and (ii) any national legislation. All licenses and permits issued by any outside organization that are required to meet the SEMP conditions are to be attached to the SEMP. An example could be a license to operate a borrow pit.

The PMU / PIC may require the Contractor to assess the SEMP activities. When any inspection by the PMU / PIC is undertaken and the work is found to be unsatisfactory, a non-compliance notice will be issued to the Contractor. The Contractor will implement corrective action to address the issues raised in the notice. When the work is shown to be non-conforming with the SEMP, the Contractor will be responsible for meeting costs of all investigations and associated corrective actions.

After a period, the Contractor may request that the contents of the SEMP be changed, but any requests and alterations to the SEMP can be approved only by the PMU / PIC. Likewise, the PMU / PIC may also request changes be made to the SEMP. In this respect the SEMP can be referred to a live working document.

The Contractor is to keep a daily record of all work done to meet the SEMP requirements. The daily record is to be available to the PMU / PIC. The Contractor is to provide monthly reports to the PMU / PIC regarding compliance with the SEMP.

2. Content

The SEMP needs to be a concise and well-focused document that clearly sets out how the Contractor will meet the requirements of the project EMP. The SEMP shall consist of at least the following sections:

Introduction and Purpose

Identify the project and state the purpose of the SEMP. Identify who prepared the SEMP together with the contacts of the person who prepared the document.

Management Responsibilities

This section must clearly identify those persons within the Contractor's team who will be directly responsible for supervising the SEMP activities. Each person and position is to be identified and contact details provided for their work, after-hours phone numbers for emergency situations, and their email addresses. Details are to be provided as to whether these persons are available on a full-time or part-time basis at the construction site. As a minimum, details are required for the following positions:

- The Contractor's environmental manager.
- The back-up person for the environmental manager whenever the environmental manager is away from the site.

- The Contractor's site engineer, who is responsible for supervising the contract on behalf of the Contractor.
- Any other persons on the Contractor's team who will have management responsibilities as required to meet the activities outlined in the SEMP conditions.

Legal Requirements

This section will outline the various environmental laws, regulations, and standards that the Contractor must comply with during construction. This will include all the approved Project standards that have been outlined in the Project IEE, for example air quality standards, water discharge limits, etc.

Licenses and Permits

Provide details of licences and permits that the Contractor will require to undertake the works, e.g. licenses to operate a borrow pit, extract groundwater, etc.

Special Environmental or Cultural Issues

Show whether there are any special issues associated with the location of the work area that is, whether it is located inside or close to environmentally or culturally sensitive areas. Advise what approvals will be required and how work will be undertaken in these areas. Locate the boundaries to the areas in the plan of works.

Scope of Works

Define the construction requirements so that these clearly identify all of the work to be undertaken by the Contractor.

Plan of Works

The Contractor is to provide an overall plan of works that shows the location of all of the construction sites and the Contractor's support facilities and access roads. The plan of works should be based on the detailed engineering site plans and should show the following:

- Boundaries of the construction sites showing the extent of the disturbed area;
- Boundaries of any culturally or environmentally sensitive areas;
- Access roads (temporary and permanent);
- Contractor's facilities (show the location of offices, workshops, vehicle and machinery parking areas, material storage areas, fuel stores, etc.);
- Worker offices:
- Areas to be excavated;
- Areas where excavated fill will be dumped both as temporary and permanent dumps;
- Locations of material sources, sand, and stones:
- Waste disposal sites (non-hazardous and hazardous); and
- North, the map scale, contours, and existing drainage lines.

Machinery and Support Equipment Brought to Site

The Contractor is to provide:

• A list of all the machinery, vehicles, and support equipment that will be brought to the project;

- The age of the machinery;
- An assessment of the condition of the machinery ²⁸ as good, average, or poor; where average or poor machinery is listed, describe the defect; ²⁹
- Where vibratory rollers are to be used, indicate the weight of the roller and the safe operating
 distances where the machine can be operated without causing harm to surrounding buildings or
 other susceptible infrastructure (the zone of vibration); and
- Any machinery that will create noise above 45 dBA is to be listed.

Example of Table for Machinery that will be Brought to Site

Make and Type	Age (years)	Condition
Excavator	2	Good
Bulldozer	3	Average
7 Ton Truck	1	Good
Mobile Crane	7	Average

Details of Sites Used to Source Raw Materials

This includes borrow pits and quarries. The SEMP is to provide the following details:

- Location of material supply areas;
- Type of activity and material extracted, e.g., borrow pit for sub-base or quarry for aggregate;
- Requirement for any permits or approvals to open the borrow pit of quarry;
- Estimated amounts to be extracted total volume required and daily amounts as numbers of truckloads for how many days/months;
- Names of villages and distances along road (in kilometers) that the haul road may need to traverse before reaching the site;
- Machinery that will be operated at the site; and
- Health and safety issues that will be required to be addressed at the site.

Contractor's Facilities and Worker Camps

Provide details of the facilities that the Contractor will erect on-site for (i) its own use, and (ii) worker camps. The Contractor is to show the location of these facilities on the plan of works and provide the following details:

- For Contractor facilities: show the areas required in square meters for all facilities such as administration offices, stores and workshops, vehicles and machinery parking areas. Show sources of electricity and water supply.
- For worker camps: provide details of (i) number of people occupying the camps; and (ii) areas (m²) and facilities installed for (a) washing and sanitation areas, (b) cooking, (c) sleeping areas, and (d) recreation areas.

For both the Contractor and worker facilities, describe the following:

Type of construction of facilities (floor, walls, and roof);

²⁸ Condition relates to the age and the maintenance of the machinery or vehicles. Any vehicles or machinery that are leaking oil or fuel and are operated without satisfactory silencing or are deficient in safety equipment must be classified as average or poor. ²⁹ Under the contract, the PSU is able to reject any machinery or vehicles that are unsatisfactory.

- Storm-water drainage, collection systems, flow paths, and disposal areas;
- Source of water and type of treatment required for cooking, washing, and drinking;
- Effluent systems to handle the disposal of washing, sanitation, and kitchen waste water;
- Source of energy to be used for heating and cooking;
- Confirm as "yes" or "no" if the facilities or camps are to be located within or closer than 2 kilometres of a protected or forested area;
- How long the camps will be required to be used; and
- Procedure for closing and dismantling the camps.

Enter details in a table:

Example of Contractor's Facilities to be Used during Construction

	Facility	Area (m²)	Construction			Stormwater	Effluent
			Floor	Walls	Roof	drains to	drains to
1	Administration offices	300 m ² (30 m x 10 m)	New transporta	able buildi	ing	Freshwater tanks	Closed septic system
2	Workshop and machinery washdown areas	200 m ² (20 m x 10 m)	concrete	c.g.i.	c.g.i.	Oil & water separator > sediment basin> natural drainage system	Closed septic system
3	Vehicle and machinery parking area	800 m ² (40 m x 20 m)	Compacted co	ral aggre	gate	sediment basin> natural drainage system	n.a.
4	Storage area – materials	400 m ² (40 m x 10 m)	Coral aggregate	c.g.i.	c.g.i.	Sediment basin> natural drainage system	n.a.
5	Storage area – fuel (5,000 liter) skid tank	15 m ² (5 m x 3 m)	Concrete bund	ded base		Oil and water separator > sediment basin> natural drainage system	n.a

c.g.i. = corrugated iron; n.a. not applicable.

3. Environmental Works Procedures

The SEMP is to provide a series of procedures that are designed to protect the environment. These are called environmental work procedures (EWP) and outline how work will be arranged to address the various issues that have been outlined in the SEMP.

The SEMP will review and build on the project EMP requirements to develop more detailed procedures for implementation in the construction activity. While the project EMP provides a list of mitigation requirements that will require procedures to be developed for each of them, the Contractor is required to review the adequacy of the requirements and if necessary include additional procedures. Should the Contractor consider that a procedure that is shown in the project EMP is not required, the Contractor will need to justify that decision.

The following is a list of procedures that may be required to be included in the SEMP. The project EMP will confirm which of these procedures or others will be required.

- Site preparation
- Excavation of construction sites
- Removal and disposal of excavated waste
- Erosion and sedimentation
- Storage and handling of construction materials, fuel, and lubricants

- Noise and vibration
- Dust generation
- Public access to site
- Risk to public and worker health and safety
- Use of hazardous materials
- Worker issues (e.g., use of fuel wood, hunting, clearing areas for gardening)
- Disposal of waste material (solid and liquid)
- Archaeological discoveries
- Rehabilitation of construction sites and Contractor facilities

4. Monitoring of Work

The SEMP is to provide details of how each activity will be monitored, how frequently the monitoring will be carried out, what criteria will be monitored, and who will undertake the monitoring. A monthly report on monitoring activities is to be included in the monthly SEMP report.

I. Staff and Worker Training

The SEMP is to provide details of staff and worker training and awareness programs that will be required to ensure compliance with the SEMP. Awareness of staff and workers about safety and environmental regulations, the SEMP requirements, and in special circumstances where work will need to be carried out within or adjacent to protected areas or areas of cultural heritage will be particularly important. The program will need to show who will be responsible for implementing the program and where the program will be introduced so as to ensure that all workers are aware of the SEMP requirements before commencing work.

2. Reporting

The Contractor is to provide details in a monthly SEMP report. The report will be prepared by the person who has been identified within the Contractor's team as responsible for overseeing the SEMP procedures. The report will outline progress with regard to the project's physical monitoring targets and implementation of the SEMP for these works. The report should note which tasks have been completed and have been approved for payment by the PMU / PIC. The report is to specify if any notices have been issued by the PMU / PIC to correct work and what has been done by the Contractor to address these issues. Any complaints or issues that have been received from the public are to be listed in the report. Three copies of the report are to be sent to the PMU / PIC. The report will address the following topics:

- Status of work program: work completed, construction under way, and work planned Environmental unit and staff situation for the month
- Staff and worker awareness training carried out
- Waste volumes, types, and disposal (inorganic and organic) Areas revegetated and rehabilitated
- Dust control report
- Discovery of artefacts
- Safety and monthly accident report
- Status of SEMP environmental mitigation measures
- PMU / PIC notices issued and status of all nonconforming work
- Environmental Incidents

- Complaints received
- Other relevant environmental issues

Appendix F – Accident Reporting Forms

Project:			Incide Date:	nt		
Location:			Incide Time:	nt		
Equipment Involved:			Opera			
Weather: □ Clear Visibility: □ Artifi			now 🗆 F	ligh Wind	s □ Oth	er (describe): k
Reporting Level of	f Incident:					
□ Fatality □ Lost Time □ Restricted Work □ Medical Aid □ First Aid	□ Equ	ar Miss lipment Damage perty Damage E/Explosion	□ Secur	e Equipmo le	ass/Theft	☐ Government Reportabl ☐ Non-reportable ☐ Contravention ☐ Public Complaint
Contractor Incide	nt: 🗆 Yes	□ No Contr	actor name	:		
Report Prepared b	y:		Superv	isor's Na	ame:	
Signature:		Date:	Tel. No.			Date:
DESCRIPTION OF Attach photos if app	INCIDENT (D		ien, why, w	ho and ho	ow. Use sep	parate pages if required.
DESCRIPTION OF	INCIDENT (D		ien, why, w	ho and ho	ow. Use sep	parate pages if required.
DESCRIPTION OF	INCIDENT (D	Describe what, wh		ho and ho	ow. Use sep	parate pages if required.
DESCRIPTION OF Attach photos if app	INCIDENT (D	Describe what, wh			ow. Use sep	
DESCRIPTION OF Attach photos if app	INCIDENT (D	Describe what, wh	5			
DESCRIPTION OF Attach photos if app WITNESSES- Prov Name	INCIDENT (D	Describe what, wh	5			
DESCRIPTION OF Attach photos if app	INCIDENT (Dilicable.)	Describe what, whose witness report	S Position	Contact	Informatio	
DESCRIPTION OF Attach photos if app WITNESSES- Prov Name NOTIFICATIONS	INCIDENT (Discable.)	witness report	S Position	Contact	Informatio	on

INCIDENT NOTIFICATION FORM

Was injured person(s) taken to hospital? Yes (If yes, provide name and location of the hospital)	s□ No □
Indicate the area of injury, if applicable, on the dia injury in the space below:	agram to the right, and describe the
VEHICLE INFORMATION (if applicable) Driver's Name:	Driver's License No.:
———————————————————————————————————————	Driver's Phone Number:
Year, Make & Model: License Plate or Serial Number:	
Was seat belt done up? Ves No	Insurer and Policy No.:
POST CONTRACTOR CONTRACTOR AS NO DECEMBER OF THE CONTRACTOR CONTRA	Was a cell phone being used? ☐ Yes ☐ No
Were police notified? Yes □ No □	Name of police officer:
Road conditions: \Box Dry \Box Gravel \Box Wet \Box Icy	Other Info/Attachments:
Spill/Release Information (if applicable)	
Product: Volume:	Quantity Recovered:
Initial Causal Analysis of Incident:	
Direct Cause: (what / how)	
Root Cause: (why)	
Corrective Actions to Prevent Recurrence:	

Note: Refer to the "Root Cause Investigation & Corrective Action Form" for further detail.

INCIDENT ROOT CAUSE INVESTIGATION AND CORRECTIVE ACTION FORM

Project:		Incident Date:		
Location:		Incident Time:		
Incident Title:		- &s.	A	
	tification Form been completed			
 □ Fatality □ Lost Time □ Restricted Work □ Medical Aid 	☐ Near Miss ☐ Equipment Damage ☐ Property Damage ☐ Fire/Explosion	☐ Business Inter☐ Security/Tresp☐ Mobile Equipm☐ Vehicle	pass/Theft	☐ Government Reportabl ☐ Non-reportable ☐ Contravention ☐ Public Complaint
☐ First Aid Report Prepared by		☐ Spill/Release Supervisor's N	ame:	
	5.1			
Signature:	Date:	Signature:		Date:
such as being less sev	r is a condition that influences eliminated, the effect is not new ere, less likely, proceeding mo ICIDENT (Use separate pages	re slowly, or other	similar effe	ects.
such as being less sev DESCRIPTION OF I	eliminated, the effect is not ned ere, less likely, proceeding mo NCIDENT (Use separate pages	re slowly, or other if required. Attac	similar effe h photos if i	ects. applicable.)
Root Cause and C LEADING EVENTS A normal sequence of events.	eliminated, the effect is not ned ere, less likely, proceeding mo	re slowly, or other if required. Attac	ges if nece incident the from normal	ects. applicable.) essary for any section) at were different to a al sequences of events were
Root Cause and C LEADING EVENTS A normal sequence of ecauses or contributing	eliminated, the effect is not necere, less likely, proceeding monciple of the control of the con	re slowly, or other if required. Attac sis (add more pa leading up to the whether changes r to Chapter 6 of the	ges if nece incident the from norma	ects. applicable.) essary for any section) at were different to a al sequences of events were HS Guide for detail)
Root Cause and C LEADING EVENTS A normal sequence of ecauses or contributing	eliminated, the effect is not necere, less likely, proceeding montributing factor Analys NALYSIS (Describe the events yents for this activity. Consider factors to the incident.) (Reference, less likely proceeding the contribution of the contribut	re slowly, or other if required. Attac sis (add more pa leading up to the whether changes r to Chapter 6 of the	ges if nece incident the from norma	ects. applicable.) essary for any section) at were different to a al sequences of events were HS Guide for detail)

Were relevant legislation and standards being followed by the workers in the events leading up to the incident? If not, why not?

INCIDENT ROOT CAUSE INVESTIGATION AND CORRECTIVE ACTION FORM	
Were there any mechanical failures or defects that led to the incident? If yes, describe below:	
Were the proper safety devices in place and being used? Were workers using proper personal protective equipment (PPE)? If not, why not?	
Did the actions or lack of actions of anyone at the worksite contribute to the incident? If yes, describe below:	
Were there any unusual conditions that contributed to the incident, such as (but not limited to) weather, other activities in the area, or anything else that was not typical for the task?	0
Did the workers present at the incident respond in a safe and appropriate way? Describe below	_
Did the workers present at the incident respond in a sare and appropriate way? Describe below	

CORRECTIVE ACTION FORM	TON AND	
Describe the root cause (s) below:		
Corrective Action Analysis	5	
List the corrective actions already taken or planned to prevent a Indicate whether the corrective action is already complete and v		Debugger of the Control of the Contr
implementing it.	vho is responsible for	occurring.
	vho is responsible for Person Responsible	Status?
implementing it.		
implementing it.		
implementing it.		
implementing it. Corrective Action	Person Responsible	Status?
implementing it.	Person Responsible	Status?

INCIDENT ROOT CAUSE IN CORRECTIVE ACTION FOR	
CORRECTIVE ACTION FOR	
Were the workers adequately trained to respon helped to lead to a better outcome?	d to the incident? If not, what training would have
neiped to lead to a better outcome?	
	ond to similar incidents? If not, what procedures
need to be developed?	
Check any causes and contributing factors from	the following list. If necessary, add additional
Check any causes and contributing factors from causes and contributing factors.	the following list. If necessary, add additional
causes and contributing factors.	-
causes and contributing factors. □ Operating equipment without training	☐ Inadequate site security
causes and contributing factors.	-
□ Operating equipment without training □ Operating equipment without proper care	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances
causes and contributing factors. □ Operating equipment without training □ Operating equipment without proper care □ Operating equipment without safety devices in place or with inoperable safety devices □ Inadequate warning to workers of a safety issue	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE
causes and contributing factors. □ Operating equipment without training □ Operating equipment without proper care □ Operating equipment without safety devices in place or with inoperable safety devices □ Inadequate warning to workers of a safety issue □ Inadequate barriers or barricades	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE
causes and contributing factors. □ Operating equipment without training □ Operating equipment without proper care □ Operating equipment without safety devices in place or with inoperable safety devices □ Inadequate warning to workers of a safety issue □ Inadequate barriers or barricades □ Using defective tools or equipment	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision
causes and contributing factors. Operating equipment without training Operating equipment without proper care Operating equipment without safety devices in place or with inoperable safety devices Inadequate warning to workers of a safety issue Inadequate barriers or barricades Using defective tools or equipment Proper equipment unavailable	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision ☐ Inadequate training
causes and contributing factors. Operating equipment without training Operating equipment without proper care Operating equipment without safety devices in place or with inoperable safety devices Inadequate warning to workers of a safety issue Inadequate barriers or barricades Using defective tools or equipment Proper equipment unavailable Improper loading	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision ☐ Inadequate training ☐ Fatigue
causes and contributing factors. Operating equipment without training Operating equipment without proper care Operating equipment without safety devices in place or with inoperable safety devices Inadequate warning to workers of a safety issue Inadequate barriers or barricades Using defective tools or equipment Proper equipment unavailable Improper loading Poor housekeeping practices	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision ☐ Inadequate training ☐ Fatigue ☐ Worker(s) under the influence of substances such as
causes and contributing factors. Operating equipment without training Operating equipment without proper care Operating equipment without safety devices in place or with inoperable safety devices Inadequate warning to workers of a safety issue Inadequate barriers or barricades Using defective tools or equipment Proper equipment unavailable Improper loading Poor housekeeping practices Repetitive action injury	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision ☐ Inadequate training ☐ Fatigue ☐ Worker(s) under the influence of substances such as alcohol or medications
causes and contributing factors. Operating equipment without training Operating equipment without proper care Operating equipment without safety devices in place or with inoperable safety devices Inadequate warning to workers of a safety issue Inadequate barriers or barricades Using defective tools or equipment Proper equipment unavailable Improper loading Poor housekeeping practices Repetitive action injury Poor maintenance of tools/equipment	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision ☐ Inadequate training ☐ Fatigue ☐ Worker(s) under the influence of substances such as alcohol or medications ☐
causes and contributing factors. Operating equipment without training Operating equipment without proper care Operating equipment without safety devices in place or with inoperable safety devices Inadequate warning to workers of a safety issue Inadequate barriers or barricades Using defective tools or equipment Proper equipment unavailable Improper loading Poor housekeeping practices Repetitive action injury	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision ☐ Inadequate training ☐ Fatigue ☐ Worker(s) under the influence of substances such as alcohol or medications
causes and contributing factors. Operating equipment without training Operating equipment without proper care Operating equipment without safety devices in place or with inoperable safety devices Inadequate warning to workers of a safety issue Inadequate barriers or barricades Using defective tools or equipment Proper equipment unavailable Improper loading Poor housekeeping practices Repetitive action injury Poor maintenance of tools/equipment	☐ Inadequate site security ☐ Inadequate worker protection from toxic substances ☐ Inadequate PPE ☐ Improper use of PPE ☐ Inadequate lighting ☐ Inadequate ventilation ☐ Inadequate supervision ☐ Inadequate training ☐ Fatigue ☐ Worker(s) under the influence of substances such as alcohol or medications ☐