

5. ソフトコンポーネント計画書

次項以降、ソフトコンポーネント計画書を添付する。

ラオス国
チャオ・アヌウォン・スタジアム改築計画

ソフトコンポーネント計画書

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株式会社 梓設計

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ソフトコンポーネント計画書

1. ソフトコンポーネントを計画する背景

(1) 本事業の概要

無償資金協力事業「ラオス国チャオ・アヌウォン・スタジアム改築計画」は、ラオスの首都ビエンチャンの同名のスタジアムを同敷地において建て替えるものである。加えて、本事業においてスタジアムでの試合、トレーニング、スタジアム運営維持管理に最低限必要な機材を調達する。

改築後のチャオ・アヌウォン・スタジアムは、陸上、サッカー、ラグビー、パラ陸上、パラサッカー、ユニバーサルスポーツの大会や試合での利用が想定される。その他、アスリートの練習、強化トレーニング、審判やコーチの研修、国家イベント、民間のスポーツ及び文化的イベント、市民の運動等での利用が想定される。また、本事業対象スタジアムはバリアフリー対応のスポーツ施設として計画するため、国際パラリンピック委員会（IPC）の「[アクセシビリティガイド 2020 年 10 月版](#)」に可能な限り準拠する計画である。

(2) 運営・維持管理上の課題とソフトコンポーネントを実施する背景

① 施設の維持管理

本事業で整備する施設の維持管理を担当するラオス教育スポーツ省（MOES）官房局資産管理課技術ユニットの職員は陸上競技施設やサッカーピッチ、スタジアムの運営・維持管理の計画能力、経験や知識等が不足しており、現在実施されている運営・維持管理の内容は、スタジアムの利用が申し込まれた際の確認が主な内容である。月に 1 度程度の定期点検に加え、大会やイベント開催前に施設の点検を実施しているが、マニュアルやチェックリストが整備されておらず、点検記録が残されていない。

設備については、定期点検や施設の維持にかかわる補修・改修に関する計画立案などは行われておらず、主に不具合のある器具の取り換えや電気・水道料金等、支払い管理程度に限定されている。

技術ユニットの職員の数が限られていることから、改築後はスタジアムの維持管理に必要な競技施設維持管理、建物の修繕、改修、日常清掃の実施は、それぞれ専門業者に外注することとなる。技術ユニットは維持管理計画を立て、点検、作業の管理、記録を行う必要が生じる。これら施設の管理者としての維持管理方法を整理することを目的として、ソフトコンポーネントを実施する。

② 芝生の維持管理

現在、資産管理課には芝生の育成や管理の知識を持った人員が配置されていない。一方で、教育スポーツ省（MOES）傘下のラオスサッカー協会が新国立競技場サッカー場の運営維持管理を行っており、併せて芝の維持管理も行っている。ラオスサッカー協会のサッカー場維持管理責任者は、FIFA 主催で毎年開催される芝のメンテナンス研修を含む、FIFA の基準に即したサッカー場の維持管理講習会を受講しており、十分な技術を習得している。本事業で計画する芝はラオスの気候において生育の良い新国立競技場と同じ種類の天然芝を採用することから、ラオスサッカー協会の技術者が習得した芝維持管理技術の活用が可能である。本事業実施後、チャオ・アヌウォン・スタジアムの芝の維持管理において、ラオスサッカー協会の技術者が資産管理課の職員に芝の維持管理方法を技術移転可能であることを確認しており、同協会と連携した芝の維持管理体制の構築が有効である。一方で、本事業施設の管理主体である官房局資産

管理課とは別組織であり、現在は連携が取れていない。そこで、両組織間の円滑な技術移転を実現し、継続的な芝生の維持管理体制を確立することを目的として、ラオスサッカー協会等を現地リソースとしてソフトコンポーネントを実施する。

③ 障害者の利用促進

本事業で整備する施設は、バリアフリー対応のスポーツ施設としてパラスポーツの競技会等の開催に加え、身体障害者が観客として利用することを想定し、国際パラリンピック委員会（IPC）の「アクセシビリティガイド 2020 年 10 月版」を可能な限り準拠するなど、ユニバーサルデザインに配慮した設計としている。教育・スポーツ省（MOES）は、障害者の利用を含め、広くラオス国民全体への利用促進を想定しており、障害者も含めたニーズが十分に達成されるよう、障害者が施設を利用しやすい環境づくりを目指している。

一方で、ラオスにおいてバリアフリー対応型スタジアムの使用規則等は制定されておらず、利用時間帯や申込方法などを工夫しなければ、一般のアスリートや有力なスポーツチームなどが半ば優先的に使用し、障害を持つ利用者が快適に利用できない可能性がある。このため、障害を持つ利用者と障害を持たない利用者の施設利用をエリア、時間、利用日等で分けること等を含む障害者の利用促進のための方法を確立することを目的としてソフトコンポーネントを実施する。

2. ソフトコンポーネントの目標

本ソフトコンポーネントの目標を以下のとおり設定する。

目標 「施設管理者としてラオス教育スポーツ省の施設の維持管理技術が向上すること」

3. ソフトコンポーネントの成果

本ソフトコンポーネントの成果を以下のとおり設定する。

成果1 施設の維持管理方法が整理される

成果2 継続的な芝生の維持管理体制を確立する

成果3 障害者の利用促進のための方法を確立する

4. 成果達成度の確認方法

(1) 基本方針

成果の達成度を確認する項目、及び確認方法を以下のとおりとする。

表 1 成果達成度の確認方法

成果	達成度の確認項目	確認方法
施設の維持管理方法が整理される	施設・設備の日常点検・維持管理項目を理解しているか	理解度試験を実施

	施設・設備の改修計画を立案し、外注管理できるか	外注管理台帳により評価
	施設維持管理に必要な項目が網羅されたマニュアルが整備されたか	施設維持管理マニュアルの完成を確認
継続的な芝生の維持管理体制を確立する	ラオスサッカー協会との協力関係を確立できているか	定期的研修計画・技術移転計画を確認
	芝生維持管理に対する基本的な情報を理解しているか	理解度試験を実施
	継続的な芝生の維持管理に必要な項目が網羅されたマニュアルが整備されたか	芝生管理マニュアルの完成を確認
障害者の利用促進のための方法を確立する	障害者が優先的に利用できる計画・ルールが整備されているか	利用計画・ルールを評価
	施設におけるバリアフリー対象設備の用途・利用方法を理解しているか	理解度試験を実施
	障害者の利用促進に必要な項目が網羅されたマニュアルが整備されたか	障害者の利用促進のためのマニュアルの完成を確認

(2) 成果 1 : 「施設の維持管理方法が整理される」について

ソフトコンポーネントの実施前後に、施設・設備の日常点検・維持管理項目に関する理解度試験を行い、成果達成度を確認する。また、本ソフトコンポーネントにおいて施設・設備の改修計画をまとめた外注管理台帳のフォーマットを作成し、内容に過不足がないかレビューして評価する。

(3) 成果 2 : 「継続的な芝生の維持管理体制を確立する」について

前述の通り、継続的な芝生の管理のためにはラオスサッカー協会の協力が不可欠であり、本ソフトコンポーネントは連携のスタートアップとして実施するものである。本ソフトコンポーネントで定期的な研修・技術移転計画を立案することにより、後の継続的な協力関係を確認する。また、芝生管理者は、管理のために必要な投入を把握している必要がある。芝生管理の基本的な知識についてソフトコンポーネントの実施前後に理解度試験を行い、成果達成度を確認する。

(4) 成果 3 : 「障害者の利用促進のための方法を確立する」について

本事業で整備する施設が、障害者にも利用が容易となるよう、本ソフトコンポーネントを通じて利用計画・ルールの素案を作成し、これを評価する。また、本施設で整備されたバリアフリー対応の施設・機材について、その設計思想、用途、使用方法を理解しているか、ソフトコンポーネントの実施前後に理解度試験を行い、成果達成度を確認する。

5. ソフトコンポーネントの活動（投入計画）

（1）成果1：「施設の維持管理方法が整理される」について

施設の維持管理について、建物や設備の清掃、点検、修理等の外部委託に必要な情報を整理し、教育スポーツ省（MOES）と協働で外注管理台帳やチェックリスト等を含む施設管理マニュアルを策定する。官房局資産管理課職員は英語が堪能でないことが想定されるため、英語⇄ラオス語の通訳を確保する。具体的活動内容として、以下の内容を設定する。

- ①. 施設維持管理ワークショップの開催（維持管理概念の啓発）
- ②. 施設維持管理関係者の役割・責任範囲の明確化
- ③. 施設維持管理マニュアル／ガイドラインの作成（英語/ラオス語）
- ④. 施設維持管理計画の立案
- ⑤. 施設維持管理活動の実施・モニタリング方法の確立

表2 成果1「施設の維持管理方法が整理される」投入計画

投入計画		日本側	相手国側
活動内容	必要な技術・業種	施設維持管理	施設維持管理
	技術水準	施設の維持管理にかかる必要事項・投入を把握している必要がある。	建築・設備の基礎知識があることが望ましい。
	対象者	施設維持管理 担当(1名) +現地通訳(1名)	官房局資産管理課技術ユニット職員(2名) 将来的にスタジアムの運営維持管理に関わる人員であること。
	実施方法	現地における技術指導	
実施 リソース	担当者	日本人コンサルタント(1名)+現地通訳(1名)	
	期間	現地:0.70 M/M	
成果品の種類		施設維持管理マニュアル(外注管理台帳・チェックリスト含む)	
実施のタイミング		施設引き渡し後	

（2）成果2：「継続的な芝生の維持管理体制を確立する」について

定期的な研修・技術移転計画の立案、及び芝生管理の基本的なノウハウについて、MOES と協働でマニュアルを策定する。策定にあたり、芝生の管理を外部委託することに留意し、モニタリングする際の要点を記載する。官房局資産管理課職員は英語が堪能でないことが想定されるため、英語⇄ラオス語の通訳を確保する。具体的活動内容として、以下の内容を設定する。

- ①. 芝生維持管理ワークショップの開催（維持管理概念の啓発）
- ②. 芝生維持管理関係者の役割・責任範囲の明確化
- ③. 定期的な研修・技術移転計画の立案
- ④. 芝生維持管理マニュアル／ガイドラインの作成（英語/ラオス語）
- ⑤. 芝生維持管理計画の立案

⑥. 芝生維持管理活動の実施・モニタリング方法の確立

表3 「継続的な芝生の維持管理体制を確立する」投入計画

投入計画		日本側(現地リソース含む)	相手国側
活動内容	必要な技術・業種	芝生維持管理	芝生維持管理
	技術水準	芝生の維持管理にかかる必要事項・投入を把握している必要がある。	芝生管理の基礎知識を持っていることが望ましい。
	対象者	芝生維持管理 担当(1名) 芝生維持管理技術者(1名) +現地通訳(1名)	官房局資産管理課技術ユニット職員(2名) 将来的にスタジアムの運営維持管理に関わる人員であること。
	実施方法	現地における技術指導	
実施 リソース	担当者	日本人コンサルタント(1名)及びラオスサッカー協会技術者(1名)+現地通訳(1名)	
	期間	現地:0.70 M/M	
成果品の種類		芝生管理マニュアル、定期的研修計画・技術移転計画	
実施のタイミング		施設引き渡し後	

(3) 成果3: 「障害者の利用促進のための方法を確立する」について

障害者にも利用が容易となるよう、本ソフトコンポーネントを通じて利用計画・ルールを素案を作成する。また、MOES と協働で素案を基にマニュアルを策定する。官房局資産管理課職員は英語が堪能でないことが想定されるため、英語⇄ラオス語の通訳を確保する。具体的活動内容として、以下の内容を設定する。

- ①. 障害者の利用促進のためのワークショップの開催 (概念の啓発)
- ②. 身体障害者対応設備の使用法共有
- ③. 利用区分・利用時間のルール化協議
- ④. 障害者の利用促進のためのマニュアル/ガイドラインの作成 (英語/ラオス語)
- ⑤. 障害者の利用促進のためのモニタリング方法の確立

表4 「障害者の利用促進のための方法を確立する」のための投入計画

投入計画		日本側	相手国側
活動内容	必要な技術・業種	障害者の利用促進	障害者の利用促進
	技術水準	身体障害やパラスポーツを把握している必要がある。	身体障害の基礎知識を持っていることが望ましい。
	対象者	施設維持管理 担当(1名) +現地通訳(1名)	官房局資産管理課職員(2名) 将来的にスタジアムの運営維持管理に関わる人員であること。
	実施方法	現地における技術指導	
実施	担当者	日本人コンサルタント(1名)+現地通訳(1名)	

リソース	期間	現地:0.70 M/M
成果品の種類	障害者の利用促進のためのマニュアル	
実施のタイミング	施設引き渡し後	

(4) とりまとめについて

コンサルタントの各ソフトコンポーネント業務担当者は、ソフトコンポーネントに関する成果の達成度を把握し、結果を取りまとめる。成果1「施設の維持管理方法が整理される」に係るソフトコンポーネント業務担当者は、ソフトコンポーネント全体のとりまとめを行い、把握された結果を確認し、ソフトコンポーネント完了報告書を相手国側主管官庁及び実施機関、ならびに日本側に提示する。

6. ソフトコンポーネントの実施リソースの調達方法

基本方針として、本ソフトコンポーネントは日本人コンサルタントにより実施する。成果2「継続的な芝生の維持管理体制を確立する」については、技術的な知識についてラオスサッカー協会から技術者の派遣を要請する。MOESは、各成果に対して2名の担当者を選任し、ソフトコンポーネント実施期間に従事させることとする。対象者は官房局資産管理課職員であり、現業を行いながらの従事が想定されるが、MOESは人員の補填を行うなど、対象者の負担軽減に努めるものとする。

7. ソフトコンポーネントの実施工程

現地での技術指導は、整備された施設・機材を利用した指導を通じて技術を習得することが重要である。従って、施設建設・機材調達後に現地におけるソフトコンポーネントを実施する。なお、本プロジェクトの施設・機材の基本的操作方法は施設建設・調達業者による初期操作指導にて実施するものとし、これら初期操作指導後にソフトコンポーネントを実施する。実施工程は以下の通り。

表5 ソフトコンポーネント実施工程

月	0	1	2
全体工程	▲ 施設・機材引き渡し		
成果1:「施設の維持管理方法が整理される」	□ 事前準備		
成果2:「継続的な芝生の維持管理体制を確立する」	□ 事前準備		
成果3:「障害者の利用促進のための方法を確立する」	□ 事前準備		
報告書			完了報告書提出 ▲

成果の達成に向けた本邦及び現地における技術指導の内容と期間は、次表のとおりとする。

表6 成果1：「施設の維持管理方法が整理される」のソフトコンポーネント内容

項目	期間	実施場所	概要
施設維持管理ワークショップ	3日	MOES 事務所	理解度試験の実施 維持管理概念の啓発 施設維持管理関係者の役割・責任範囲の明確化
施設維持管理方法の立案	10日	MOES 事務所 ・スタジアム	日常維持管理項目の立案 *日常維持管理項目の洗い出し(1.0) *日常維持管理項目の採否協議・調整(0.5) *日常維持管理項目の決定(0.5) 定期的維持管理項目の立案 *定期的維持管理項目の洗い出し(1.0) *定期的維持管理項目の採否協議・調整(0.5) *定期的維持管理項目の決定(0.5) 維持管理チェックリストの立案 *維持管理チェックリストの作成(1.0) 外注管理台帳フォーマットの立案 *外注先の整理(1.0) *外注管理台帳の作成(1.0) 施設維持管理マニュアル(案)の策定 *マニュアルの作成(3.0)
実施・モニタリング	3日	MOES 事務所・スタ ジアム	MOES による運用開始 施設維持管理マニュアルの策定
成果の確認	2日	MOES 事務所	外注管理台帳の評価 理解度試験の実施

表7 成果2：「継続的な芝生の維持管理体制を確立する」のソフトコンポーネント内容

項目	期間	実施場所	概要
芝生維持管理ワークショップ	3日	MOES 事務所	理解度試験の実施 維持管理概念の啓発 施設維持管理関係者の役割・責任範囲の明確化
芝生維持管理方法の立案	8日	MOES 事務所・スタ ジアム	日常維持管理項目の立案 *日常維持管理項目の洗い出し(1.0) *日常維持管理項目の採否協議・調整(0.5) *日常維持管理項目の決定(0.5) 定期的維持管理項目の立案 *定期的維持管理項目の洗い出し(1.0) *定期的維持管理項目の採否協議・調整(0.5)

			*定期的維持管理項目の決定(0.5) 維持管理チェックリストの立案 *維持管理チェックリストの作成(1.0) 芝生維持管理マニュアル(案)の策定 *マニュアルの作成(3.0)
定期的な研修・技術移転計画の立案	2日	MOES 事務所	ラオスサッカー協会からの定期的な研修・技術移転計画の立案
実施・モニタリング	3日	MOES 事務所・スタジアム	MOES による運用開始 芝生維持管理マニュアルの策定
成果の確認	2日	MOES 事務所	外注管理台帳の評価 理解度試験の実施

表 8 成果 3：「障害者の利用促進のための方法を確立する」のソフトコンポーネント内容

項目	期間	実施場所	概要
障害者の利用促進のためのワークショップ	3日	MOES 事務所	理解度試験の実施 概念の啓発
施設・設備指導	2日	MOES 事務所・スタジアム	身体障害者対応設備設置の設計思想・使用方法共有
利用区分・利用時間のルール立案	8日	MOES 事務所・スタジアム	利用区分・利用時間等のルール化 *施設利用者の整理(1.0) *施設利用割合の設定(2.0) *障害者利用のためのポイント整理(2.0) 障害者の利用促進のためのマニュアル(案)の策定 *マニュアルの作成(3.0)
実施・モニタリング	3日	MOES 事務所・スタジアム	MOES による運用開始 障害者の利用促進のためのマニュアルの策定
成果の確認	1日	MOES 事務所	理解度試験の実施

8. ソフトコンポーネントの成果品

ソフトコンポーネントの成果品は、以下のとおりである。なお、本邦における技術指導が終了した時点で、進捗報告を行う。

表 9 ソフトコンポーネント成果品(案)

成果品名	提出先
ソフトコンポーネント完了報告書 英文	JICA 及び MOES
ソフトコンポーネント完了報告書 和文	JICA
活動の実施状況が確認できる資料(現地の写真等含む)	JICA
実施機関職員への理解度試験集計	JICA

施設維持管理マニュアル(外注管理台帳・チェックリスト含む)	JICA 及び MOES
芝生管理マニュアル、定期的研修計画・技術移転計画	JICA 及び MOES
障害者の利用促進のためのマニュアル	JICA 及び MOES

9. ソフトコンポーネントの概略事業費

ソフトコンポーネントの概略事業費は、以下のとおりである。

表 10 ソフトコンポーネントの概略事業費 (単位：千円)

項目	金額	備考
直接人件費		
直接経費		
間接費		
合計		

10. 相手国側の責務

MOES における本計画の関係者は、本技術指導の日程調整および会場の提供を行うとともに、対象となる参加者を選定し、技術指導に参加させることが求められる。また、ソフトコンポーネントの成果として得られた技術を基に、スタッフの継続的研修、予算措置、調達業務、マニュアルの改訂など、施設の運営・実施にあたって必要となる対応を速やかに実施することが求められる。

6. 参考資料

調査名：ラオス国チャオ・アヌウォン・スタジアム改築計画準備調査

番号	名称	形態 図書・ビデオ・ 地図・写真等	オリジナル ・コピー	発行機関	発行年
1	9th five-year National Socio-economic Development plan (2021-2025)	図書	コピー	ラオス国政府	2021
2	Education and Sports sector Development Plan 2021-2025	図書	コピー	ラオス教育・スポーツ省	2020
3	Education and Sports Sector Performance Annual Report 2018-2019 And Development Plan for 2019-2020	図書	コピー	ラオス教育・スポーツ省	2019
4	Profile on Environmental and Social Considerations in Lao P.D.R.	図書	コピー	JICA	2013
5	日本企業の海外における事業展開に際しての環境影響評価ガイドブック～ラオス編～	図書	コピー	公益財団法人地球環境戦略研究機関	2016
6	Track and Field Facilities Manual 2019 Edition	図書	コピー	世界陸上競技連盟	2019
7	Technical Regulations for IAAF World Athletics Series	図書	コピー	世界陸上競技連盟	2016
8	World Athletics Certification system procedures	図書	コピー	世界陸上競技連盟	2020
9	IPC Accessibility Guide 4 th Edition October 2020	図書	コピー	国際パラリンピック委員会	2020
10	World Para Athletics Rules and Regulations February2020-2021	図書	コピー	世界パラ陸上競技連盟	2020
11	Sports for Tomorrow Report 2020	図書	コピー	SFT コンソーシアム事務局	2020
12	Football Stadiums Technical Recommendations and Requirements 5 th Edition 2011	図書	コピー	FIFA	2011
13	UEFA ガイド:良質なスタジアム建設の手引き	図書	コピー	公益財団法人 日本サッカー協会	2016
14	ブラインドサッカー競技規則2017～2021年 B1&B2/B3 カテゴリー	図書	コピー	NPO 法人日本ブラインドサッカー協会	2018
15	ラグビー競技規則 2022	図書	コピー	World Rugby	2022
16	校庭・園庭芝生管理マニュアル	図書	コピー	横浜市環境創造局みどりアップ推進課	2013
17	政府開発援助（ODA）国別データ集 2020	図書	コピー	外務省国際協力局	2020
18	2021 年版 開発協力白書日本の国際協力外務	図書	コピー	外務省	2021
19	平成29年度アセアン諸国におけるスポーツ推進貢献調査報告書	図書	コピー	公益財団法人日本スポーツ協会	2017
20	Guidelines on the Management and Utilizations of Government Counterpart Funds for the implementation of Official Development Assistance Projects	図書	コピー	ラオス計画・投資省	2021

7. その他資料・情報

7-1 テクニカルノート

次項以降、第2回現地調査時に締結したテクニカルノートを添付する。

TECHNICAL NOTES
BETWEEN THE MINISTRY OF EDUCATION AND SPORTS OF LAO PEOPLE'S
DEMOCRATIC REPUBLIC
AND PREPARATORY SURVEY TEAM
FOR
THE PROJECT FOR THE REHABILITATION OF CHAO ANOUVONG STADIUM
IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

July 25, 2023

Subsequent to the Minutes of Discussions signed between the Ministry of Education and Sports and JICA on February 15 2022 (hereinafter referred to as the "Minutes"), the Ministry of Education and Sports and the Consultant Team Member of Preparatory Survey Team for the Project for the Rehabilitation of Chao Anouvong Stadium in the Lao People's Democratic Republic (hereinafter referred to as "the Consultant Team") have confirmed the attached issues concerning the Project for the Rehabilitation of Chao Anouvong Stadium in the Lao People's Democratic Republic (hereinafter referred to as "the Project").



Mr. Mikihiro MATSUYAMA

Chief Consultant
Preparatory Survey Team
Consortium of Azusa Sekkei Co., Ltd.,
Kokusai Kogyo C., Ltd
and INTEM Consulting, Inc.



Daravone KITTIPHANH

Chief of the Cabinet Office/
/Permanent Secretary
Ministry of Education and Sports
Lao People's Democratic Republic

ATTACHMENT

A. General

1. The Consultant Team explained the draft Preparatory Survey Report on the Project (hereinafter referred to as “the Report”) as a result of further study in Japan, after the site survey in November 2021 – January 2022.
2. Lao PDR side agreed on the components of the Project and the Obligation of the Recipient Country (2-3) in the Report and Major Undertakings to be taken by Recipient Government in Annex-1. It is noted that the operation and maintenance of Chao Anouvong Stadium (hereinafter referred to as “the Stadium”) with secured budget by the Lao PDR side, based on the Usage Plan (Table 2-3), Maintenance Plan (2-4-2) and Financial Plan (2-4-3) described in the Report, would be crucial for achieving the objectives of the Project.
3. Lao PDR side agreed to start the necessary procedure for Environmental and Social Impact Assessment (ESIA) and Construction Permit by September in accordance with the Project schedule. The ESIA is required to apply for the Construction Permit. The Construction Permit is required prior to the bidding for the start of construction. See Annex-2 for the details on procedure.
4. Both sides confirmed that the further study and cost estimation shall be executed based on the following agreement and confirmations.
5. There is a possibility to further modify the project component and/or extend undertakings to be taken by the Lao PDR side, depending on the budget of Japan side, which will be finalized based on further analysis and cost study in Japan.

B. Track and Field

6. Lao PDR side agreed there is no possibility to meet the Construction Category I, II and III defined in the Track and Field Facilities Manual 2019 edition of World Athletics (hereinafter referred to as “the Manual”) due to lack of space on the project site for warm-up facilities required by the Construction Category I, II and III. See Annex-3 for the details of the Manual.
7. Both sides confirmed that the athletic track and field will be designed in accordance with the requirements of the Construction Category IV of the Manual.
8. Both sides confirmed that the athletic track and field will not be certified by World Athletics (hereinafter referred to as “WA”). Therefore, athletics records at the stadium will not count as official records and the stadium will not be a venue of any international athletics competitions.

C. Soccer and Rugby

9. Both sides confirmed the size of field of play for soccer and rugby will be designed in accordance with the regulations determined by International Federation of Association Football (hereinafter referred to as “FIFA”) and World Rugby (hereinafter referred to as “WR”), whereas the stadium cannot be designed to fulfill

the requirements of the stadium facility as a competition venue by FIFA and WR due to limited space of the project site. However, if approved by the organizer, the stadium may be used as a venue for small international competitions or qualifiers of rugby and soccer in Southeast Asia region.

D. Facilities

10. Both sides agreed the draft of Facility List as shown in the Annex-4 of this Technical Notes. The dormitories and the parking lots listed in the Final Requested Facilities attached to the Minutes are excluded from the project components due to limited space of the buildings and the project site. The media room in the Final Requested Facilities is changed to the multipurpose rooms which can be used as media rooms as well.
11. Both sides agreed the draft of Basic Plan as shown in Annex-5 of this Technical Notes. This draft of Basic Plan was developed based on the discussion between the survey team and Ministry of Education and Sports.
12. The Lao PDR side agreed that the number of spectator's seat is around 2,500.
13. The Lao PDR side agreed that the wheelchair user seats are placed at ground level in the spectator stands to allow for smooth evacuation in the event of a disaster.
14. Both sides confirmed the draft of Utilities List planned for the stadium as shown in the Annex-6 of this Technical Notes.
15. Both sides confirmed the necessity of installing elevators for the universal design and securing the budget for the maintenance of the elevators by Lao PDR side.
16. The Lao PDR side agreed it is not possible to fully apply the Accessibility Guide of International Paralympic Committee to the new stadium design due to the limited space of the project site and the buildings, and budget constraint, but the universal design will be applied as much as possible, including wheelchair seating, corridor widths, slopes at major entrances etc.

E. Equipment

17. Both sides agreed the draft of Equipment List as shown in the Annex-7 of this Technical Notes.

- Annex-1 Major Undertakings to be taken by Recipient Government
- Annex-2 Main procedures of the permissions
- Annex-3 Competition Categories and Requirements of Construction Categories of Track and Field Facilities Manual 2019 edition of World Athletics
- Annex-4 Facility list
- Annex-5 Basic plan
- Annex-6 Utilities list
- Annex-7 Equipment list

Major Undertakings to be taken by Recipient Government

1. Before the Tender

NO	Items	Deadline	In charge	Cost(KIP)	Date.
1	To coordinate with the National Bank of Lao PDR to open Bank Account (Banking Arrangement (B/A))	Immediately after G/A	MoES MoF BoL	N/A	Jan. 2024
2	To issue A/P to a bank in Japan (the Agent Bank) for the payment to the consultant	within 2 weeks after the signing of the agreement	MoES MoF BoL	N/A	Feb. 2024
3	To bear the following commissions to a bank of Japan for the banking services based upon the B/A	-	-	-	-
	Advising commission of A/P	within 2 weeks after the signing of the agreement	MoES MoF BoL	600,000	Feb. 2024
	Payment commission for A/P	At the payment upon certification of consultant agreement	MoES MoF BoL	7,500,000	Feb. 2024
4	To create and apply Environmental and Social Impact Assessment (ESIA) Report and Environmental and Social Management and Monitoring Plan (ESMMP)	12 months before the tender date	MoES	Under investigation	Sep. 2023
5	To approve ESIA Report / ESMMP	2 months before the tender date	MoES	Under investigation	Aug. 2024
6	To secure the following lands Project construction site including building area and temporary construction yard and stockyard within Chao Anouvong Stadium	Before E/N	MoES	N/A	Oct. 2023
7	To secure the move or the temporary rooms of following rooms; 1) Medical science room 2) Fitness gym 3) Offices 4) Equipment warehouse 5) Dormitory 6) Canteen, Shops	Before the construction contract	MoES	N/A	Oct. 2024
8	To obtain the building permit and other necessary permissions	1 month before the tender date	MoES	Under investigation	Sep. 2024

E/N: Exchange of Note, G/A: Grant Agreement, B/A: Banking Arrangement, A/P: Authorization to pay, N/A: Not Applicable,
MoES: Ministry of Education and Sport, MoF: Ministry of Finance, BoL: Bank of Lao PDR

2. During the Project Implementation

NO	Items	Deadline	In charge	Cost	Date.
1	To issue A/P to a bank in Japan (the Agent Bank) for the payment to the contractor and supplier(s)	within 2 weeks after the signing of the contract(s)	MoES MoF BoL	N/A	Nov. 2024
2	To bear the following commissions to a bank of Japan for the banking services based upon the B/A	-	-	-	-
	1) Advising commission of A/P	within 2 weeks after the signing of the contract(s)	MoES MoF BoL	Under investigation	Nov. 2024
	2) Payment commission for A/P	At the payment upon certification of Contract	MoES MoF BoL	Under investigation	Nov. 2024
		At the payment upon 100% of the Construction works for Term-2	MoES MoF BoL	Under investigation	Mar. 2025

		At the payment upon advance payment of Construction works for Term-3	MoES MoF BoL	Under investigation	Apr. 2025
		At the payment upon value of works achieves 50% of Construction works for Term-3	MoES MoF BoL	Under investigation	Nov. 2025
		At the payment upon value of works achieves 85% of Construction works for Term-3	MoES MoF BoL	Under investigation	Feb. 2026
		At the payment upon 100% of Construction works for Term-3	MoES MoF BoL	Under investigation	Mar. 2026
		At the payment upon advance payment of Construction works for Term-4	MoES MoF BoL	Under investigation	Apr. 2026
		At the payment upon completion of Shipment	MoES MoF BoL	Under investigation	Jun. 2026
		At the payment upon the handover of Equipment for Term-4	MoES MoF BoL	Under investigation	Oct. 2026
		At the payment upon completion of Construction works for Term-4	MoES MoF BoL	Under investigation	Oct. 2026
		At the payment upon completion of Technical Assistance	MoES MoF BoL	Under investigation	Nov. 2026
3	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country	during the Project	MoES	N/A	As appropriate
	1) Facilitate tax exemption and customs clearance of the products at the port of disembarkation	during the Project	MoES MPI MoF	N/A	As appropriate
4	To accord Japanese physical persons and/or physical persons of third countries whose services may be required in connection with the supply of the products and the services such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work	during the Project	MoES MPI	N/A	As appropriate
5	To ensure that customs duties, internal taxes and other fiscal levies which may be imposed in the country of the Recipient with respect to the purchase of the Products and/or the Services be exempted; Such customs duties, internal taxes and other fiscal levies mentioned above include VAT, commercial tax, income tax and corporate tax of Japanese nationals, resident tax, fuel tax, but not limited, which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract	during the Project	MoES MPI MoF	N/A	As appropriate

6	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment	during the Project	MoES	N/A	As appropriate
7	To submit Project Monitoring Report.	every quarter and when necessary	MoES	N/A	As appropriate
*Followings shall be examined further through the study:					
8	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities	-	-	-	-
	1) Electricity				
	The distributing line to the site	4 months before completion of the construction	MoES	Under investigation	May. 2026
	2) Water Supply				
	The city water distribution main to the site, if necessary	4 months before completion of the construction	MoES	Under investigation	May. 2026
	3) Drainage				
	The city drainage main (for storm, sewer and others) to the site, if necessary	4 months before completion of the construction	MoES	Under investigation	May. 2026
	4) Telephone System				
	The telephone trunk line and internet line to the main distribution frame/panel (MDF) of the new constructed facility, if necessary.	4 months before completion of the construction	MoES	Under investigation	May. 2026
	5) Gas Supply (if any)				
	The city gas main to the site, if necessary.	4 months before completion of the construction	MoES	Under investigation	May. 2026
	6) Furniture and Equipment				
	Transferring and Purchasing general furniture for facilities.	1 month after completion of the construction	MoES	Under investigation	Oct. 2026
9	To implement and monitoring of ESMMP	during the construction	MoES	Under investigation	Nov. 2024
	To submit results of environmental monitoring to JICA, by using the monitoring form, on a quarterly basis as a part of Project Monitoring Report	during the construction	MoES	N/A	As appropriate
	To implement Resettlement Action Plan (RAP) (livelihood restoration program, if needed)	for a period based on livelihood restoration program	MoES	N/A	As appropriate
	To implement social monitoring, and to submit the monitoring results to JICA, by using the monitoring form, on a quarterly basis as a part of Project Monitoring Report - Period of the monitoring may be extended if affected persons' livelihoods are not sufficiently restored. Extension of the monitoring will be decided based on agreement between MoES and JICA.	- until the end of livelihood restoration program (In case that livelihood restoration program is provided) - for two years after land acquisition and resettlement complete (In case that livelihood restoration program is not provided)	MoES	N/A	As appropriate

E/N: Exchange of Note, G/A: Grant Agreement, B/A: Banking Arrangement, A/P: Authorization to pay, N/A: Not Applicable, MoES: Ministry of Education and Sport, MoF: Ministry of Finance, BoL: Bank of Lao PDR

3. After the Project

NO	Items	Deadline	In charge	Cost	Date.
1	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid 1) Allocation of sufficient budget for operation and maintenance 2) Operation and maintenance structure 3) Routine check/Periodic inspection 4) Contracting with agents for maintenance of specialized equipment and lift (If necessary) 5) Regular collection and proper disposals of wastewater	After completion of the construction	MoES	Under investigation	As appropriate
2	To implement ESMMP, if necessary	for a period based on ESSMP	MoES	Under investigation	As appropriate
3	To submit results of environmental monitoring to JICA, by using the monitoring form, semiannually - The period of environmental monitoring may be extended if any significant negative impacts on the environment are found. The extension of environmental monitoring will be decided based on the agreement between MoES and JICA.	for three years after the Project	MoES	N/A	As appropriate
4	To bear the following commissions to a bank of Japan for the banking services based upon the B/A	-	-	-	-
	Payment commission for A/P	At the payment upon completion of the search over the defects of Construction Work and Equipment	MoES MoF BoL	Under investigation	Sep. 2027
		At the payment upon completion of the service for the monitoring of maintenance service of equipment for 2 nd year	MoES MoF BoL	Under investigation	Sep. 2028
		At the payment upon completion of the service for the monitoring of maintenance service of equipment for 3 rd year	MoES MoF BoL	Under investigation	Sep. 2029

E/N: Exchange of Note, G/A: Grant Agreement, B/A: Banking Arrangement, A/P: Authorization to pay, N/A: Not Applicable, MoES: Ministry of Education and Sport, MoF: Ministry of Finance, BoL: Bank of Lao PDR

*Deadline, person in charge, cost and date shall be further examined through the study.

Main procedures of the permissions

1. Environmental and Social Impact Assessment (ESIA)

NO	Items	Deadline	Duration	Tentative Date	In charge
1	Screening	12 months before the tender date	1 days	11 th Sep. 2023	MoES
2	Submission of - Scoping report - Terms of Reference (TOR)	11.5 months before the tender date	1 month	13 th Sep. 2023	MoES
3	Appraisal of - Scoping report - Terms of Reference (TOR)	10.5 months before the tender date	15 working days	16 th Oct. 2023	MoNRE
4	Explanation to the habitant who effected by the project Correction of comments to the project from distrect, prefecture, province	9.5 months before the tender date	15 days	6 th Nov. 2023	MoES
5	Submission of - Application form - Environmental and Social Impact Assessment (ESIA) report and - Environmental and Social Management and Monitoring Plan (ESMMP)	9 months before the tender date	3 months	21 st Nov. 2023	MoES
6	Management review of ESIA and ESMMP	6 months before the tender date	10 days	21 st Feb. 2024	MoNER
7	Submission of 15 sets of ESIA and ESMMP	5.5 months before the tender date	5 days	4 th Mar. 2024	MoES
8	Technical review of ESIA and ESMMP - Distribution to relevant organizations (by MoNER) - Review by concerned organization (by Concerned Organizations) - Public hearing in district, prefecture, province for correcting comments to the ESIA report (by MoES) - Modification and Submission of Final Environmental and Social Impact Assessment (ESIA) report (by MoES)	5.5 months before the tender date	95 working days	11 th Mar. 2024	MoNER, Concerned Organizations and MoES
9	Issuance of Environmental Compliance Certificate	2 months before the tender date	-	31 st Jul. 2024	MoNRE
10	Implement and Monitoring of ESMMP	During the construction and after the operation, if necessary			MoES
11	Report of ESMMP	During the construction and after the operation, if necessary			MoES

MoES: Ministry of Education and Sport, MoNRE: Ministry of Natural Resources and Environment

2. Building permit

NO	Items	Deadline	Duration	Tentative Date	In charge
1	Preparation of Drawings (Architecture, Structure, Mechanical, Electrical, Plumbing)	2 months before the tender date	-	1 st Aug. 2024	Consultant
2	Submission of - Application form - Agreement of neighbors - Request for the site survey to MoPWT - Record of the site survey by MoPWT - Land ownership certificate - Environmental Compliance Certificate - Drawings (Architecture, Structure, Mechanical, Electrical, Plumbing)	2 months before the tender date	-	1 st Aug. 2024	MoES

MoPWT: Ministry of Public Works and Transport

several days (for example, World Championships) or those which are concentrated within one or two days (for example, one-day meetings or international matches).

1.3.2 COMPETITION CATEGORIES

Table 1.3.2 provides an overview of the various Competition Categories. In the table, the approximate maximum number of athletes, competition officials and auxiliary personnel on the arena at any one time is given. (The "Event Management Guidelines – Infield" contains the recommended number of officials on the Field of Play for World Athletics competitions.) The total number of these type of people at a competition can be many times greater. The "Number of Days" column gives the approximate duration of an athletics meeting. For details of items I to V listed under "Recommended Construction Category", refer to Section 1.5. Finally, the last column states the authority responsible for allocation and technical control at the international, area, regional or national level, with the exception of the Olympic Games for which the IOC is responsible for allocation and various Group Games for which Group Associations have responsibility.

Competition Category	Event	Approximate Maximum Number of Participants at Any One Time			Duration of Competition Number of Days	Recommended Construction Category	Governing Body
		Athletes	Competition Officials	Auxiliary Personnel			
1	World Championships and Olympic Games	75	100	75	9	I	World Athletics, IOC
2	Area, Regional and Group Championships and Games	75	75	60	4 - 8	II	Area, Regional or Group Association
3	Continental / Regional / Area Cups	50	60	50	2	III ¹	World Athletics, Regional or Area Association
4	Matches	50	60	30	1 - 2	III	World Athletics, Area or National Federation
5	International Invitation Meetings specifically authorised by World Athletics	50	30	30	1	III	World Athletics
6	International Invitation Meetings specifically authorised by an Area Association	50	30	30	1	III	Area Association
7	Other Meetings specifically authorised by an Area or a Member and National Championships	75	60	30	2 - 4	IV	Area Association or National Federation
8	Combined Events	50	50	30	2	IV	As appropriate
9	Other National Competitions					V	National Federation

¹ Warm-up track must conform to Competition Category I

Table 1.3.2 - Competition Categories; number of athletes, officials and auxiliary personnel

1.5.3 REQUIREMENTS OF CONSTRUCTION CATEGORIES

The requirements of Table 1.5.3 are minimum requirements and the Technical Regulations of the specific competition should also be checked. For exceptions, see Section 1.5.4.

Item	Competition Facilities	Construction Category				
		I	II	III	IV	V
1	400m track as described under Chapter 2 with min. 8 oval lanes and 8 straight lanes for 100m and 110m Hurdles	1 ^{a)}	1 ^{a)}	1 ^{a)}	-	-
2	400m track as item 1, but with min. 6 oval lanes and 6 straight lanes for 100m and 110m Hurdles	-	-	-	1 ^{b)}	-
3	400m track as item 1, but with min. 4 oval lanes and 6 straight lanes for 100m and 110m Hurdles	-	-	-	-	1 ^{b)}
4	Water jump for the Steeplechase	1	1	1	-	-
5	Long and Triple Jump facility with landing area at each end	2 ^{c)}	2 ^{c)}	1	2	-
6	Long and Triple Jump facility with landing area at one end	-	-	-	-	1
7	High Jump facility	2	2	1	2	1
8	Pole Vault facility with provision for landing area at each end	2 ^{c)}	2 ^{c)}	1	2	-
9	Pole Vault facility with provision for landing area at one end	-	-	-	-	1
10	Discus and Hammer Throw combined facility (concentric or separate circles but concentric is preferred)	1 ^{d)}	1 ^{d)}	1 ^{d)}	1 ^{e)}	1
11	Javelin Throw facility	2 ^{f)}	2 ^{f)}	2 ^{f)}	1	1
12	Shot Put facility	2 ^{c)}	2 ^{c)}	2	2	1
	Warm-up Facilities#					
13	400m track with min. 4 oval lanes and 6 straight lanes (similar surface to the competition track); jumping events facilities; separate combined throwing field for Discus, Hammer, Javelin Throw; min. 2 Shot Put facilities	*	-	-	-	-
14	Min. a 200m oval track with min. 4 oval lanes and 4 straight lanes (min. 60m), (synthetic surface), or min. a 100m straight and a training bend; facilities for jumping events; combined throwing field for Discus, Hammer, Javelin Throw; Shot Put facility	-	*	-	-	-
15	Min. 4 straight lanes (min. 60m) but preferably also including a training bend with (synthetic surface); jumping events facilities; combined throwing field for Discus, Hammer, Javelin; Shot Put facility	-	-	*	-	-
16	Adjacent park or playing field preferably with min. 4 straight lanes (min. 60m)	-	-	-	*	-
17	No warm-up facility	-	-	-	-	*
	Others					
18	Ancillary rooms as described in Chapter 4 with area of min. m ²	250	200	150	200	-
19	Full facilities for spectators	*	*	*	*	-*
^{a)} As part of an IAAF Certified Facility (but preferably a 400m Standard Track) ^{b)} As part of an IAAF Certified Facility ^{c)} The two facilities must be in the same direction and should be adjacent to allow simultaneous competition by two groups of athletes with similar conditions (as per Figure 2.5a) ^{d)} An additional Discus only facility may also be provided ^{e)} For large events, a second facility outside the stadium but in the same throwing direction is desirable ^{f)} One at each end of the area and minimum runway length 33.5m [#] Preferably, within the same sports complex, adjacent to the competition facility, however, there is no maximum limit in distance set. If a facility is being considered for a major international event, the location and standard of the warm-up facilities will be assessed by the relevant governing body. [*] Required						

Table 1.5.3 - Requirements of the Construction Categories

Facility List

Category	Items	Number	WA / FIFA / IPC Standard	
Track	400m standard oval track	9 lanes	WA Construction Category IV	
			Minimum 6	
	Straight lanes for 100m and 110m Hurdles	10 lanes	Minimum 6	
	Water jump for Steeplechase	1	-	
Field	Long and Triple jump	2	2	
	High jump	2	2	
	Pole vault	3	2	
Throwing	Discus and Hammer Throw	2	1	
	Javelin Throw	2	1	
	Shot Put	2	2	
Warm-up	Warm-up Facilities	No	Adjacent park or playing field preferably with min. 4 straight lanes (min. 60m)	
Soccer Pitch	105mx68m FIFA Standard size, Natural grass, Drainage system	105mx68m	105mx68m (FIFA)	
Rugby Field	94mx68m World rugby standard size	94mx68m	94~100m × 68~70m (WR)	
Spectator Seating	Total	2585 seats	-	
	Main Stand	Total 1262 seats 1183 seats (General), 22 seats (Wheel Chair), 50 seats (VIP), 7 seats (VVIP)	VIP 600, Press with desk 50, Press 30 (WA) Total: minimum 30,000, VVIP 150, VIP 300 for the FIFA World Cup™ (FIFA) Accessible seats: 1% (1.2% for wheelchair sports) of Games seated capacity under 10,000 seats (IPC)	
	Back Stand	Total 1323 seats 1303 seats (General), 20 seats (Wheel Chair)		
Main Stand 1F	Changing room With Shower, WC, Coach space	2 (88m ²)	WA Changing: 75m ² (24 lockers) Shower/WC: 1 area/2 changing rooms Coach room: 2 rooms (20m ²)	FIFA Changing: At least 2 rooms/Preferably 4 rooms (80m ² , at least 25 people) Shower/WC: 50m ² (11 showers, 5 washbasins, 3 urinals, 3 toilets) Coach room: 30m ² (1 shower, 4 lockers, toilet)
	Referee room	2 (17m ²)	WA 1 room (20m ² with shower and toilet)	FIFA 24~45m ² (lockers for 4 people, a massage table, 2 showers, 1 washbasin, 1 urinal, 1 toilet)
	Warm up room	2 (44m ²)	WA Refer to Warm up facility	FIFA Outdoor (grass surface or artificial turf) or Indoor (Minimum 100m ² each)
	Ball boy room	1 (12m ²)	-	FIFA Minimum 40m ² (for each sex). (2 toilets, 2 washbasins, 2 showers)
	Fitness room	1 (61m ²)	-	-
	Medical science room (Including Massage space)	1 (44m ²)	-	-
	Medical/Doping control room	1 (33m ²)	WA Medical: 1 room (at least 15m ² with toilet) Doping: Waiting Room (15 athletes, 2m ² /person), Working Room (18m ²), Toilets (2 cubicles, 4.5m ²)	FIFA Medical: Minimum 50m ² Doping: Minimum 36m ² (Toilet, Working room and Waiting room)

	Office (5 permanent staffs)	1 (44m ³)	WA 12m ² /person	-
	Security office	1 (12m ²)	WA as required	FIFA -
	Toilet (M)	1 (17m ²)	-	-
	Toilet (F)	1 (11m ²)	-	-
	Toilet (U)	2 (6m ²)	-	-
2F	First-aid room	1 (22m ²)	WA 1 room (at least 15m ² with toilet)	
	Café space	1 (53m ²)	-	-
	Shop space	1 (22m ²)	-	-
	Toilet for spectators (M)	1 (46m ²)	-	FIFA Recommended minimum number of toilets and sinks is 15 urinals and 6 sinks for every 1,000 men.
	Toilet for spectators (F)	1 (65m ²)	-	FIFA Recommended minimum number of toilets and sinks is 28 and 14 respectively for every 1,000 women and 3 toilets
	Toilet for spectators (U)	2 (4m ²)	IPC 1:15 (one toilet for every 15 accessible seats)	FIFA 1 per 5,000 spectators
3F	VVIP room	1 (88m ²)	-	FIFA A private lounge of approximately 15m ²
	VIP room	1 (100m ²)	-	FIFA The hospitality lounge for the VIPs should ideally be at the back of the viewing area.
	Competition office	1 (86m ²)	-	-
	Multipurpose room	1 (56m ²)	-	-
	Kitchen	1 (26m ²)	-	-
	NOCL office	1 (58m ²)	-	-
	NOCL chairman's office	1 (28m ²)	-	-
	LPC office	1 (58m ²)	-	-
	LPC chairman's office	1 (28m ²)	-	-
	Toilet for office (M)	1 (12m ²)	-	-
	Toilet for office (F)	1 (12m ²)	-	-
	Toilet for office (U)	1 (6m ²)	-	-
	Toilet VVIP	1 (6m ²)	-	FIFA Sanitary facilities should be separate from those of the VIP area.
	Toilet VIP (M)	1 (6m ²)	-	FIFA Toilets 1 per 120, Urinals 1 per 50, Hand basins 1 per 80
	Toilet VIP (F)	1 (6m ²)	-	FIFA Toilets 1 per 25 up to 250/1 per 30 if between 250-500/1 per 35 if more than 500, Hand basins 1 per toilet up to 500

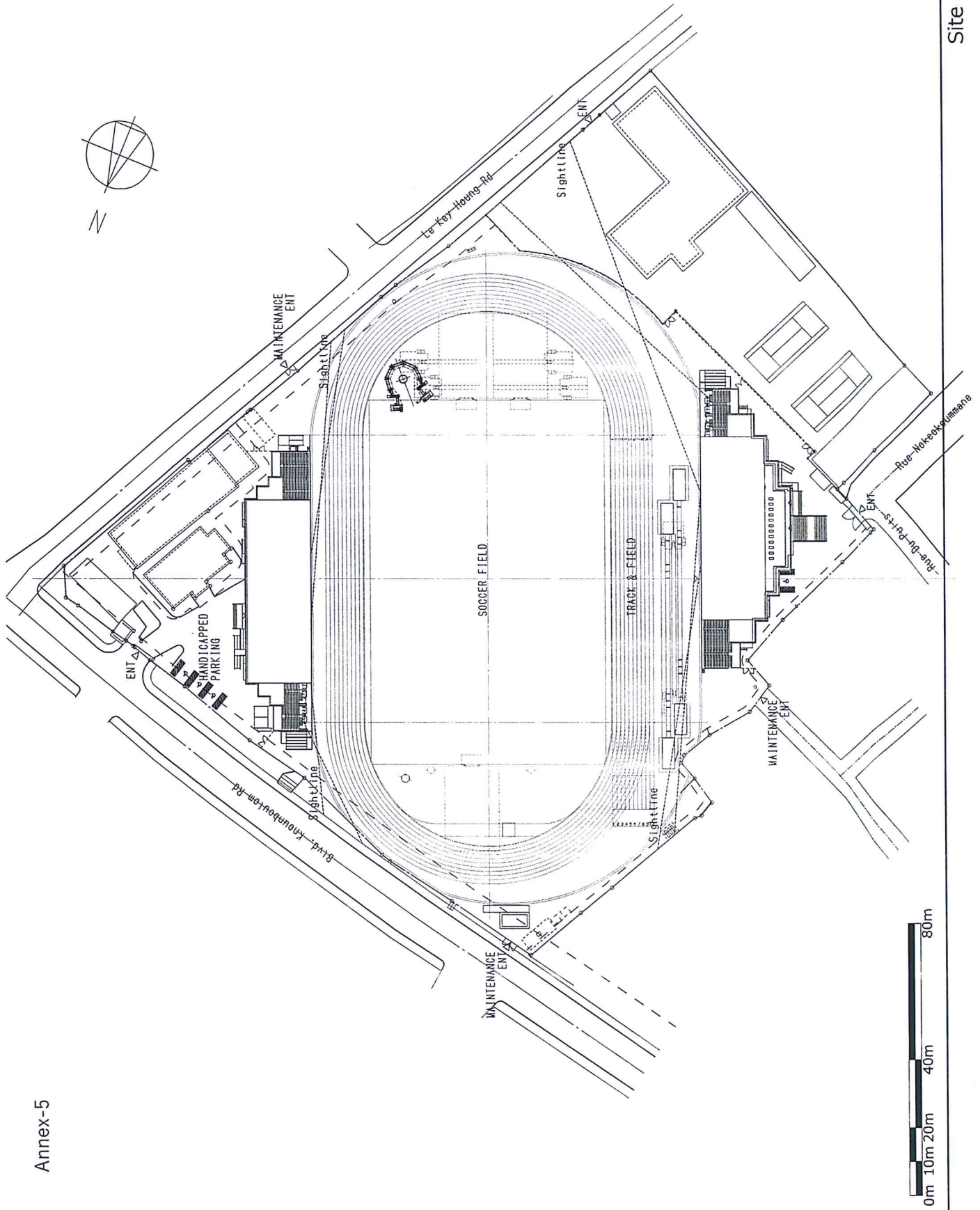
Back Stand 1F	Storage (For track and field equipment and Lawnmower)	1 (461m ²)	WA 1m ² of equipment space for every 500m ² to 700m ² of usable sports area	-
	Storage (For tools and maintenance equipment)	1 (52m ²)	WA 1m ² of equipment space for every 400m ² to 500m ² of usable sports area	-
	Toilet for spectators (M)	1 (12m ²)	-	FIFA Recommended minimum number of toilets and sinks is 15 urinals and 6 sinks for every 1,000 men.
	Toilet for spectators (F)	1 (12m ²)	-	FIFA Recommended minimum number of toilets and sinks is 28 and 14 respectively for every 1,000 women and 3 toilets
	Toilet for spectators (U)	1 (6m ²)	IPC 1:15 (one toilet for every 15 accessible seats)	FIFA 1 per 5,000 spectators
2F	Toilet for spectators (M)	1 (39m ²)	-	FIFA Recommended minimum number of toilets and sinks is 15 urinals and 6 sinks for every 1,000 men.
	Toilet for spectators (F)	1 (39m ²)	-	FIFA Recommended minimum number of toilets and sinks is 28 and 14 respectively for every 1,000 women and 3 toilets
	Toilet for spectators (U)	1 (4m ²)	IPC 1:15 (one toilet for every 15 accessible seats)	FIFA 1 per 5,000 spectators
3F	Office (for Elite Sports Department)	3 (32m ² x 3 = 96m ²)	-	-
	Multipurpose room (Media room)	9 (23m ² x 7 + 19m ² x 2 = 199m ²)	WA (Media room) World Championships / Olympics (Working places for 500-650 journalists)	FIFA (Media room) Minimum 200m ²
	Toilet (M)	1 (12m ²)	-	-
	Toilet (F)	1 (12m ²)	-	-
	Toilet (U)	1 (6m ²)	-	-
Car Parks	Accessible parking	5	-	-
LED Scoreboard		1	character height between 0.35m and 0.52m must be used. 30mm pixels can be used with a minimum of 192 lines and the height of the board should be about 6m. the height of the board should be 3% to 5% of the maximum viewing distance. minimum luminance -2000 NIT for 2-tone matrix boards -4000 NIT for colour video matrix boards at least 10 lines of 32 characters are required	-

M: Male, F: Female, U: Universal
(m²) shows approximately area

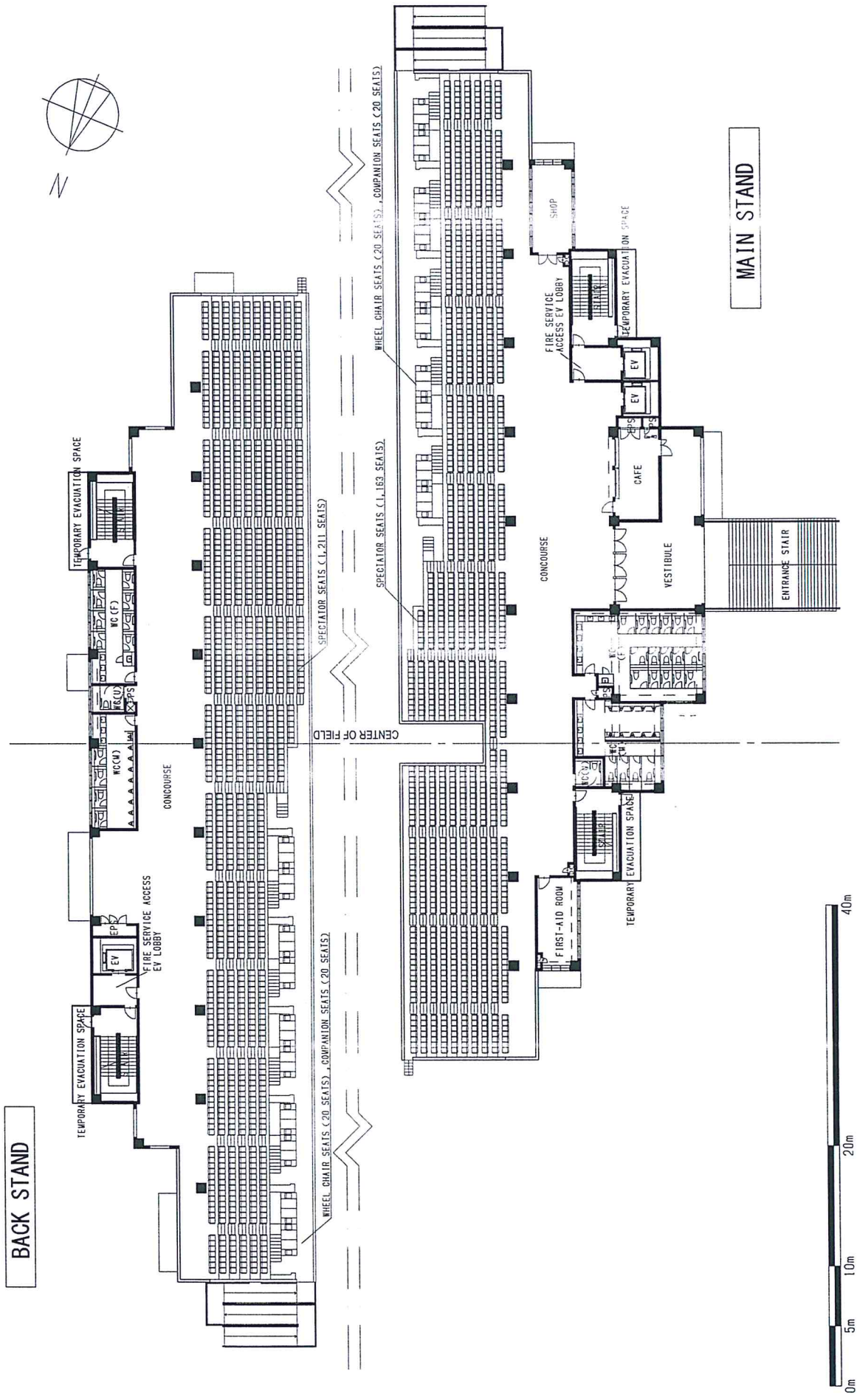
m

2

m

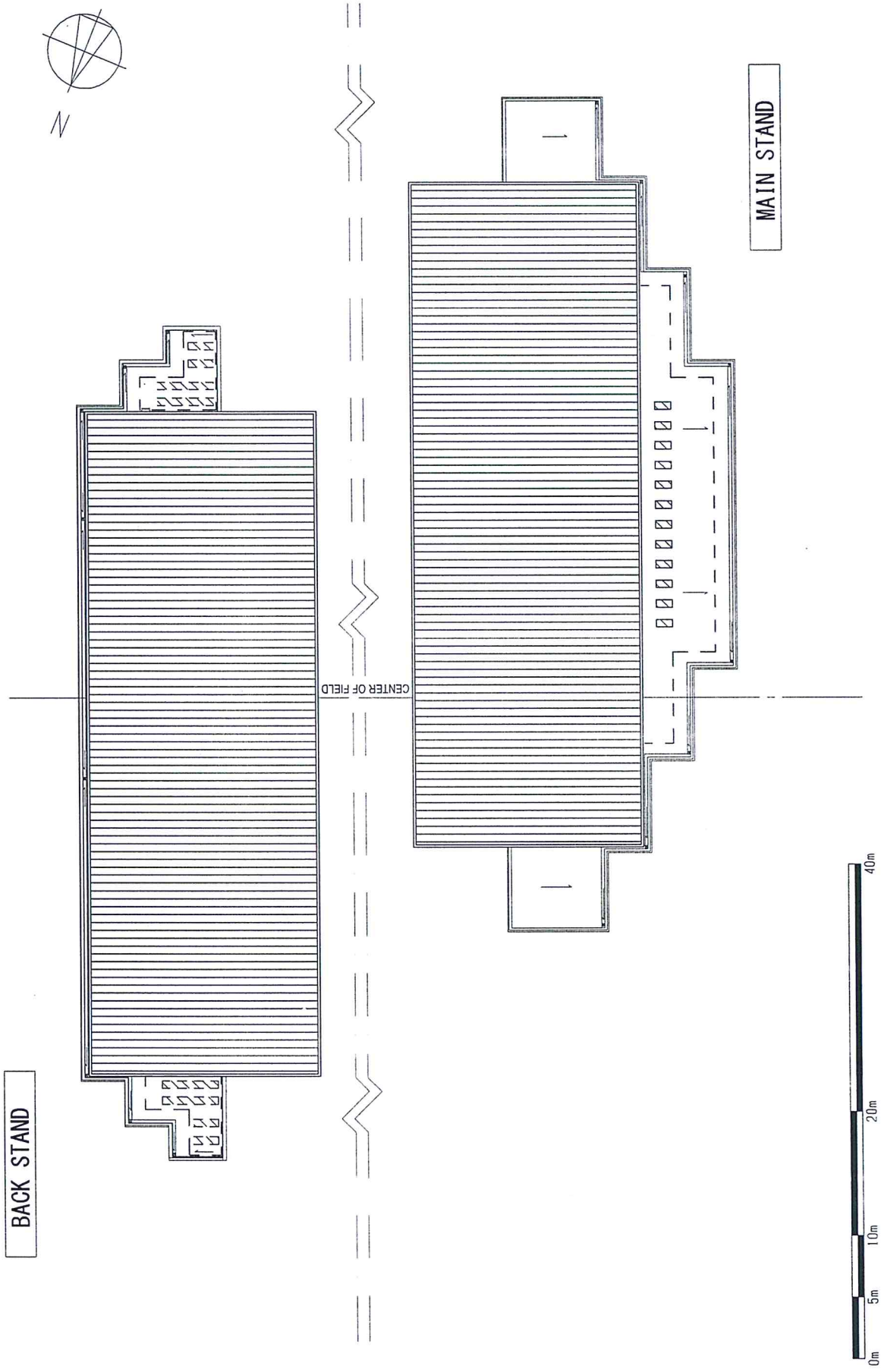


n



2nd Floor Plan S=1:300

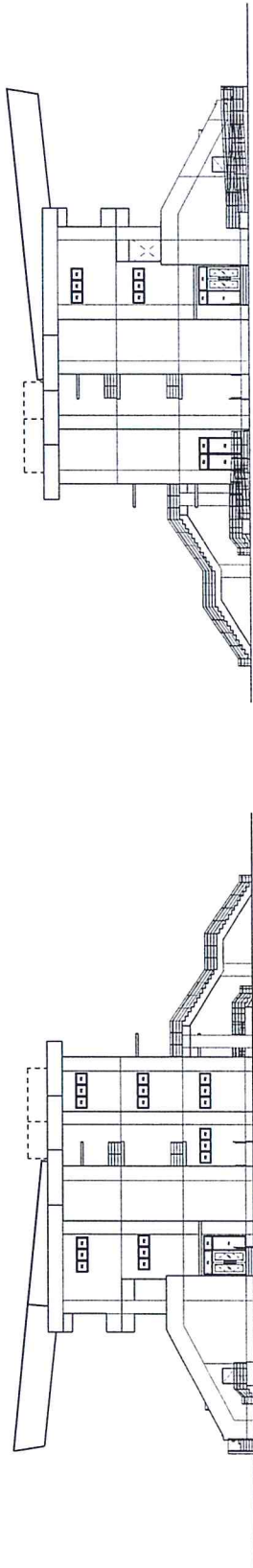
am



Roof Floor Plan S=1:300

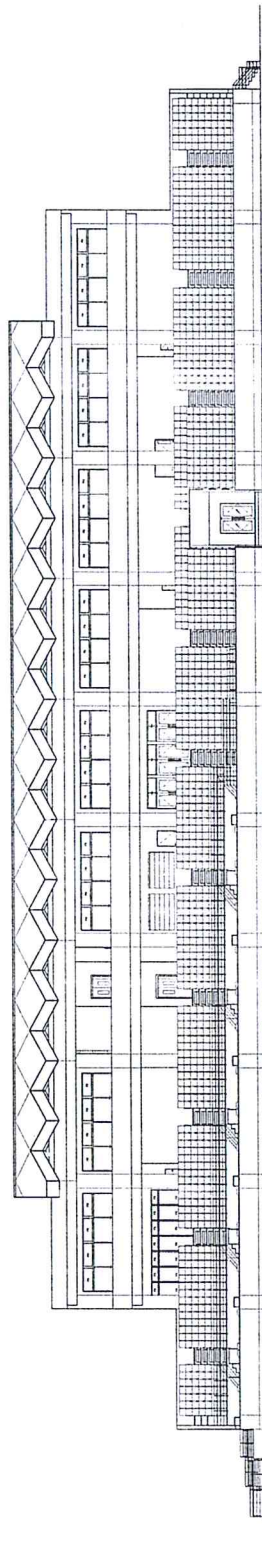
Handwritten signature or initials in the bottom right corner.

m

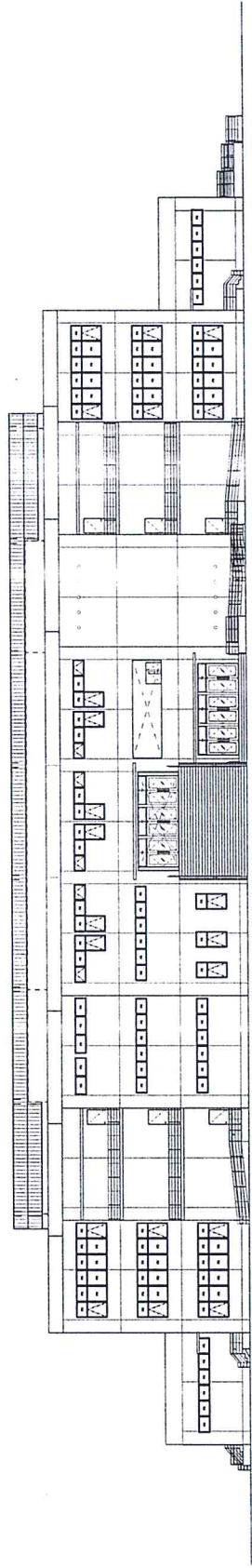


Main Stand - North Elevation

Main Stand - South Elevation



Main Stand - East Elevation



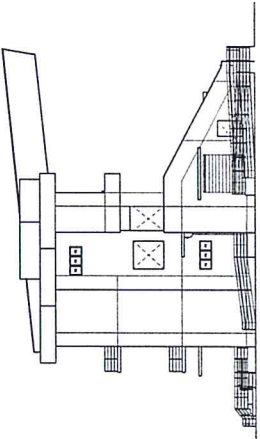
Main Stand - West Elevation



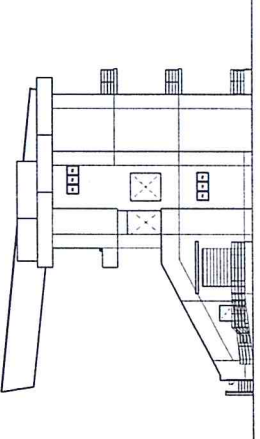
Main Stand Elevation S=1:300

OK

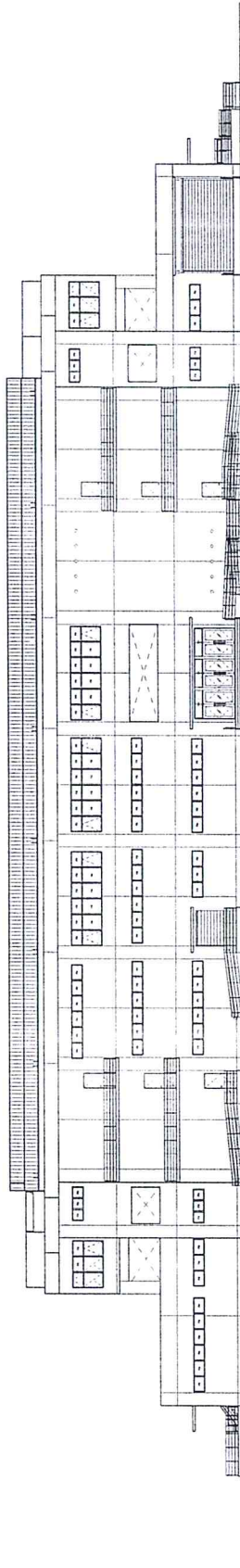
m



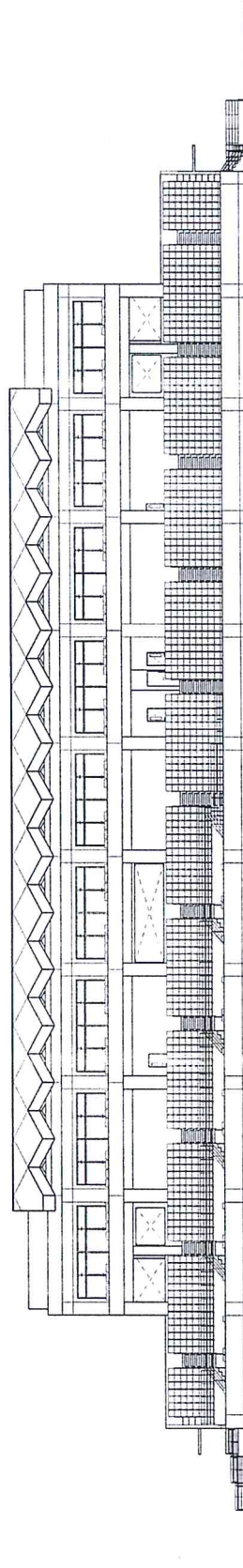
Back Stand -
North Elevation



Back Stand -
South Elevation



Back Stand -
East Elevation



Back Stand -
West Elevation

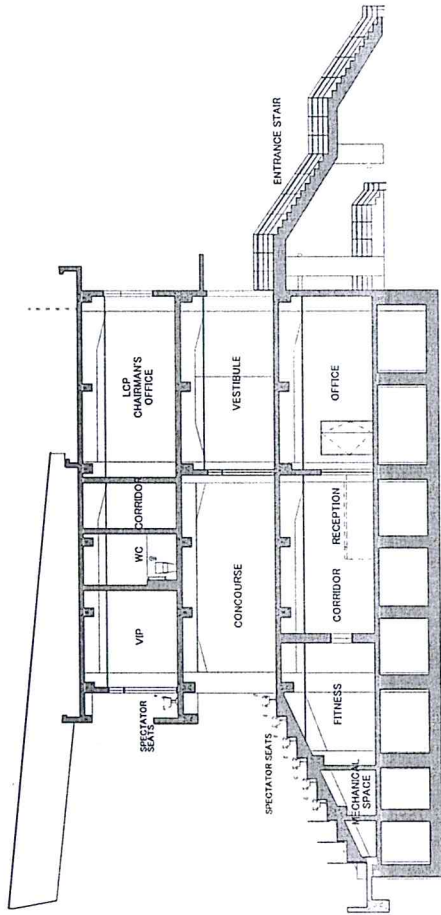


Back Stand Elevation S=1:300

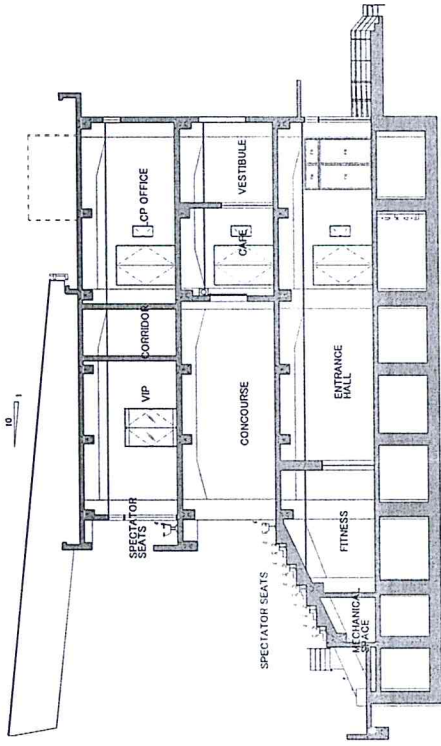
21

m

10
1

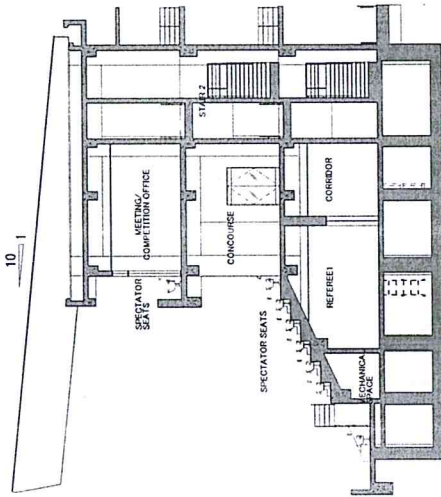


SECTION A

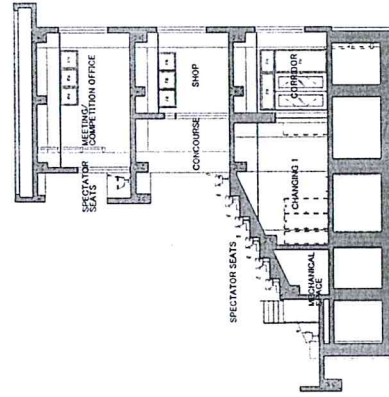


SECTION B

10
1

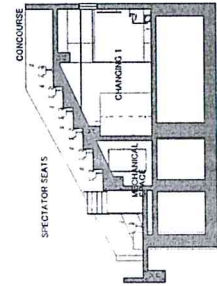
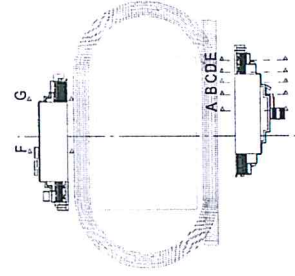


SECTION C



SECTION D

0m 5m 10m 20m

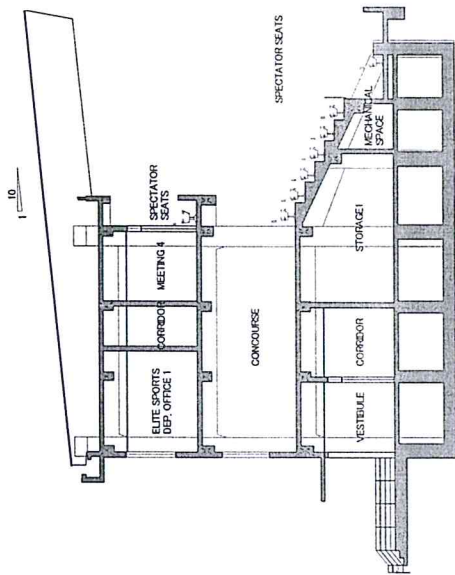


SECTION E

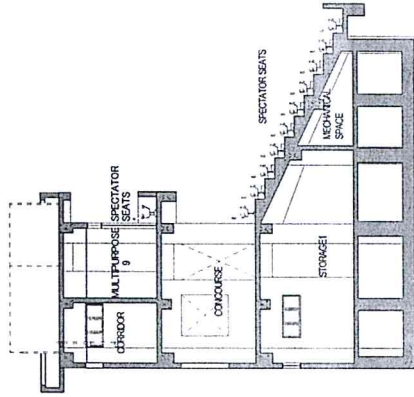
SECTION S=1:200

25

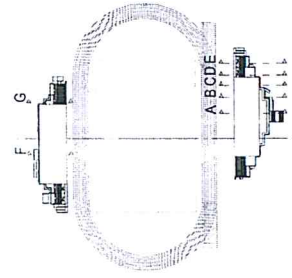
m



SECTION F



SECTION G



SECTION S = 1:200

m

Utilities List

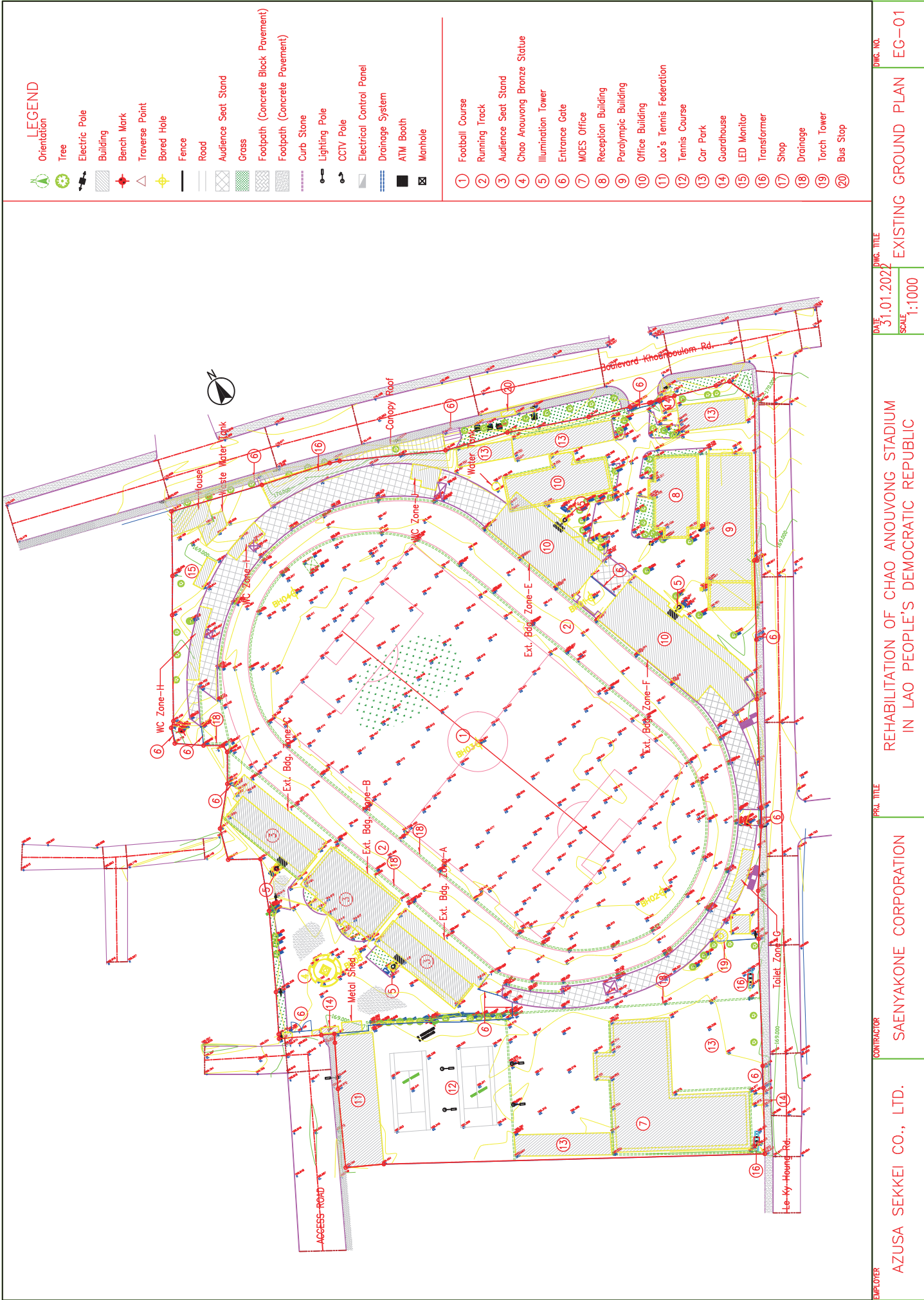
Items	Equipment	Location	Remarks
Emergency Facilities			
Fire alarm system	Smoke detector	Stand area and Rooms	
Emergency broadcast equipment	Battery power source built-in type, Wall mount type	Stand area and Rooms	
Fire fighting equipment	Portable extinguisher	Fittingly	
	Fire hose with storing box	Fittingly	
Evacuation facilities	Emergency exit signs	Fittingly	
Emergency calling system	Wall mount calling equipment	Toilet for person with physical disability	
Stadium Facilities			
Floodlights	Existing equipment	Field	
LED Scoreboard	Screen size W10.8m x H7.68m	Field	
Irrigation system	Sprinkler system	Field	For field turf
Drainage system	Drain water in field area	Field	
Other standard facilities for Buildings			
Plumbing facility for Building	Water supply, discharging and sanitary		
Mechanical facility for Building	Ventilation fan and air conditioning equipment		
Sewage discharge system	Sewage treatment tank with discharge pump	Fittingly	Discharge route and others shall be designed due to stadium design
Electrical facility for Building	Power receiving Moter cabling, and low voltage cabling lighting equipment socket		
Ground earthing system		Fittingly	
Lightning protection system	Lightning arrester equipment	Fittingly	

Equipment List

Item No.	Request No.	Equipment Type	Q'ty
1	RH-01	Electrical muscle stimulation	1
2	RH-02	Ultrasound therapy machine	1
3	RH-03	High low plinth	2
4	RH-04	Physical therapy bed	3
5	RH-05	Parallel bar	1
6	RH-06	Chair	6
7	RH-07	Partition	1
8	RH-08	Balance trainer	1
9	RH-09	Upper body ergometer	2
10	RH-10	Mirror	1
11	RH-11	Goniometer set	1
12	EC-01	Elliptical trainer	1
13	EC-02	Stair-stepper	1
14	EC-03	Stationary bicycle	1
15	EC-04	Treadmill	1
16	EC-05	Ankle weight	2
17	EC-06	Accessible training bench	1
18	EC-07	Dumbbell set	1
19	EC-08	Barbell set	1
20	EC-09	Kettlebell set	1
21	EC-10	Pull-up frame and bar	1
22	EC-11	Fitness ball	1
23	EC-12	Foam roller	3
24	EC-13	Rehabilitation pole	1
25	EC-14	Multi-station exercise machine	1
26	EC-15	Cable crossover	1
27	EC-16	Leg adduction/abduction machine	1
28	GR-01	Rubber gym tile	1
29	GR-02	Ice machine	1
30	GR-03	Mirror	1
31	BG-01	Side fence for blind soccer	1
32	BG-02	Goal and net set for blind soccer	1
33	BG-03	Ball for blind soccer	10
34	BG-04	Ball basket	2
35	BG-05	Goal and net set for soccer	1
36	BG-06	Flag pole	1
37	BG-07	Coach bench for soccer	1
38	BG-08	Rugby goal set	1
39	AT-01	Hurdle fences	1
40	AT-04	Starting blocks for exercise	18
41	AT-05	Equipment for running commands	1
42	AT-06	Color cards set	2
43	AT-07	Flag set	20
44	AT-08	Track number	1
45	AT-10	Relay baton for training	5
46	AT-11	Stopwatch	15
47	AT-12	Video camera set	2
48	AT-13	Starter stand	2
49	AT-15	Lap count indicator	1
50	AF-01	Tape measure	2
51	AF-03	Throwing distance indicator	2
52	AF-04	Rake	4
53	AF-05	Protect cover for sandpit	4
54	AF-06	Pole vault equipment	1
55	AF-07	High Jump equipment	1
56	AF-09	Throwing platform	4
57	AF-10	Throwing protection net set	2
58	AF-11	Javelin set	1
59	AF-13	Plate set	1
60	AF-15	Ball set for shot put	1
61	AF-17	Hammer	1
62	AF-19	Roll tape	10
63	OM-01	Riding lawn mower	1
64	OM-03	Maintenance tool set	1
65	FA-01	Bed	2
66	FA-02	Wheelchair	2
67	FA-03	Stretcher	2

7-2 地形測量

次項以降、地形測量結果を添付する。



7-3 地質調査

次項以降、地質調査結果を添付する。

BORRING LOG										Sheet :	1 OF 1			
Project Name : The Project For Rehabilitation of Chao Anouvang Stadium In The Lao PDR					Coordinates : E: - , N: -					Borehole No:	BH-No1			
Work: Geological Survey					Elevation (Z): -					Water Level :	- 4.0m			
					Max. Drilling Depth: 20.0 m					Starting Date :	10-Jan-22			
										Finishing Date :	10-Jan-22			
Depth (m)	SOIL DESCRIPTION	Symbol	Wash Out	Sampling method	SPT Blow Count			N Value (2nd+3rd)	SPT Blow Count (Blow/ft)					Consistency
					1st	2nd	3rd		10	20	30	40	50	
1	2	3	4	5	6	7	8	9	11					12
1	CL- Silty CLAY Brown -Yellow-Red		AU	SS1	6	7	7	14						Medium Dense
2			AU	SS2	7	7	8	15						Medium Dense
3			UD	SS3	8	7	9	16						Medium Dense
4	CL- Sandy CLAY , Grey-Brown		AU	SS4	8	7	9	16						Medium Dense
5			AU	SS5	9	10	11	21						Medium Dense
6			AU	SS6	10	10	13	23						Medium Dense
7			AU	SS7	5	5	6	11						Medium Dense
8			AU	SS8	6	5	5	10						Medium Dense
9			AU	SS9	3	4	5	9						Medium
10			AU	SS10	3	2	3	5						Medium
11			AU	SS11	2	3	3	6						Medium
12			AU	SS12	3	2	3	5						Medium
13			C-S-G Sandy Clay With Gravel, Grey-Brown - Yellow		AU	SS13	3	4						3
14	AU	SS14			4	3	4	7						Medium
15	AU	SS15			17	23	25	48						Very Dense
16	SG- Slit SAND With Gravel-Rock, Grey-Brow-Yellow		AU	SS16	50			50						Hard
17			AU	SS17				Over 50						Very Hard
18			AU	SS18				Over 50						Very Hard
19			AU	SS19				Over 50						Very Hard
20			AU	SS20				Over 50						Very Hard
21														
Sample No					Rock Hardness			Sand	Clay		Sand&Silt			
A: Auguring WO: Wash out ST: Shell By Tube SS: Split Spoon Sample DB: Diamond Bit C: Coring		N: Number of Blow Per Foot Or Per 30 Cm DS : Disturbed Sample UD : Undisturbed Sample		V-H: very hard H: hard B: Brittle V-B: very brittle S: soft			C: coarse M: medium F: fine	V-S: very soft S: soft M-St: med stiff St: stiff V-St: very stiff H: hard	V-L: very loose L: loose M-D: med dense D: dense V-D: very dense					

BORING LOG											Sheet :	1 OF 1		
Project Name : The Project For Rehabilitation of Chao Anouvong Stadium					Coordinates : E: - , N: -			Water Level : - 4.0m			Borehole No:	BH-No2		
In The Lao PDR					Elevation (Z): -			Starting Date : 09-Jan-22						
Work: Geological Survey					Max. Drilling Depth: 20.0 m			Finishing Date : 09-Jan-22						
Depth (m)	SOIL DESCRIPTION	Symbol	Wash Out	Sampling method	SPT Blow Count			N Value (2nd+3rd)	SPT Blow Count (Blow/ft)					Consistency
					1st	2nd	3rd		10	20	30	40	50	
1	2	3	4	5	6	7	8	9	11					12
1	CL- Silty CLAY, Grey-Brown -Yellow-Red		AU	SS1	7	7	9	16						Medium Dense
2			AU	SS2	7	8	8	16						Medium Dense
3			UD	SS3	8	10	12	22						Medium Dense
4			AU	SS4	8	7	7	14						Medium Dense
5			AU	SS5	6	7	6	13						Medium Dense
6	CL- Sandy CLAY , Grey-Brown		AU	SS6	7	6	7	13						Medium Dense
7			AU	SS7	4	3	3	6						Medium
8			AU	SS8	4	3	3	6						Medium
9			AU	SS9	4	4	5	9						Medium
10			AU	SS10	3	2	3	5						Medium
11			AU	SS11	3	3	3	6						Medium
12			AU	SS12	3	2	3	5						Medium
13			AU	SS13	4	4	3	7						Medium
14			AU	SS14	3	3	4	7						Medium
15			C-S-G Sandy Clay With Gravel, Grey-Brown - Yellow		AU	SS15	19	23	25	48				
16	AU	SS16			50			50						Hard
17	SG- Slit SAND With Gravel-Rock, Grey-Brow -Yellow		AU	SS17				Over 50						Very Hard
18			AU	SS18				Over 50						Very Hard
19			AU	SS19				Over 50						Very Hard
20			AU	SS20				Over 50						Very Hard
21														
Sample No					Rock Hardness			Sand	Clay			Sand&Silt		
A: Auguring WO: Wash out ST: Shell By Tube SS: SplitT Spoon Sample DB: Diamond Bit C: Coring		N: Number of Blow Per F Or Per 30 Cm DS : Disturbed Sample UD : Undisturbed Sample			V-H: very hard H: hard B: Brittle V-B: very brittle S: soft			C: coarse M: medium F: fine	V-S: very soft S: soft M-St:med stiff St: stiff V-St: very stiff H: hard	V-L: very loose L: loose M-D:med dense D: dense V-D:very dense				

BORING LOG										Sheet : 1 OF 1			
Project Name : The Project For Rehabilitation of Chao Anouvong Stadium In The Lao PDR					Coordinates : E: - , N: -			Water Level : - 6.0m					
Work: Geological Survey					Elevation (Z): -			Starting Date : 10-Jan-22					
					Max. Drilling Depth: 21.0 m			Finishing Date : 10-Jan-22					
Depth (m)	SOIL DESCRIPTION	Symbol	Wash Out	Sampling method	SPT Blow Count			N Value (2nd+3rd)	SPT Blow Count (Blow/ft)				Consistency
					1st	2nd	3rd		10	20	30	40	
1	2	3	4	5	6	7	8	9	11				12
1	CL- Silty CLAY, Grey-Brown -Yellow-Red		AU	SS1	6	9	15	24					Medium Dense
2			AU	SS2	7	8	11	19					Medium Dense
3			AU	SS3	8	9	12	21					Medium Dense
4			AU	SS4	8	10	15	25					Medium Dense
5			AU	SS5	9	7	13	20					Medium Dense
6			AU	SS6	8	8	9	17					Medium Dense
7	CL- Sandy CLAY, Grey-Brown -Yellow		AU	SS7	7	6	6	12					Medium Dense
8			UD	SS8	4	5	4	9					Medium Dense
9			AU	SS9	3	3	5	8					Medium
10			AU	SS10	2	3	4	7					Medium
11			AU	SS11	2	2	3	5					Medium
12	CL- Sandy CLAY, Grey-Brown		AU	SS12	2	3	4	7					Medium
13			AU	SS13	3	3	4	7					Medium
14			AU	SS14	4	4	5	9					Medium
15			AU	SS15	18	20	28	48					Very Dense
16	SG- Slit SAND With Gravel-Rock, Grey-Brow-Yellow		AU	SS16	50			50					Hard
17			AU	SS17				Over 50					Very Hard
18			AU	SS18				Over 50					Very Hard
19			AU	SS19				Over 50					Very Hard
20			AU	SS20				Over 50					Very Hard
21			AU	SS21				Over 50					Very Hard
Sample No					Rock Hardness			Sand	Clay		Sand&Silt		
A: Auguring WO: Wash out ST: Shell By Tube SS: SplitT Spoon Sample DB: Diamond Bit C: Coring		N: Number of Blow Per F Or Per 30 Cm DS : Disturbed Sample UD: Undisturbed Sample		V-H: very hard H: hard B: Brittle V-B: very brittle S: soft			C: coarse M: medium F: fine	V-S: very soft S: soft M-St:med stiff St: stiff V-St: very stiff H: hard	V-L: very loose L: loose M-D:med dense D: dense V-D:very dense				

BORING LOG										Sheet : 1 OF 1					
Project Name : The Project For Rehabilitation of Chao Anouvong Stadium In The Lao PDR					Coordinates : E: - , N: -					Borehole No: BH-No4					
Work: Geological Survey					Elevation (Z): -					Water Level : - 8.0m					
					Max .Drilling Depth: 20.0 m					Starting Date : 09-Jan-22					
										Finishing Date : 09-Jan-22					
Depth (m)	SOIL DESCRIPTION	Symbol	Wash Out	Sampling method	SPT Blow Count			N Value (2nd+3rd)	SPT Blow Count (Blow/ft)					Consistency	
					1st	2nd	3rd		10	20	30	40	50		
1	2	3	4	5	6	7	8	9	11					12	
1	CL- Silty CLAY Brown -Yellow-Red		AU	SS1	6	7	8	15						Medium Dense	
2			AU	SS2	7	7	7	14						Medium Dense	
3			AU	SS3	8	10	12	22						Medium Dense	
4			AU	SS4	10	11	14	25						Medium Dense	
5			AU	SS5	7	6	6	12						Medium Dense	
6			UD	SS6	8	7	6	13						Medium Dense	
7			AU	SS7	5	4	6	10						Medium Dense	
8			AU	SS8	4	2	3	5						Medium	
9	CL- Sandy CLAY , Grey-Brown		AU	SS9	2	3	3	6						Medium	
10			AU	SS10	3	3	4	7						Medium	
11			AU	SS11	4	2	3	5						Medium	
12			AU	SS12	3	3	3	6						Medium	
13			AU	SS13	5	5	7	12						Medium Dense	
14			AU	SS14	4	5	8	13						Medium Dense	
15	C-S-G Sandy Clay With Gravel, Grey-Brown - Yellow		AU	SS15	16	21	24	45						Very Dense	
16	SG- Slit SAND With Gravel-Rock, Grey-Brown -Yellow		AU	SS16	50			50						Hard	
17			AU	SS17				Over 50						Very Hard	
18			AU	SS18				Over 50						Very Hard	
19			AU	SS19				Over 50						Very Hard	
20			AU	SS20				Over 50						Very Hard	
21															
Sample No					Rock Hardness			Sand	Clay					Sand&Silt	
A: Auguring WO: Wash out ST: Shell By Tube SS: SplitT Spoon Sample DB: Diamond Bit C: Coring			N: Number of Blow Per F Or Per 30 Cm DS : Disturbed Sample UD : Undisturbed Sample			V-H: very hard H: hard B: Brittle V-B: very brittle S: soft			C: coarse M: medium F: fine	V-S: very soft S: soft M-St:med stiff St: stiff V-St: very stiff H: hard					V-L: very loose L: loose M-D:med dense D: dense V-D:very dense

BORING LOG										Sheet :	1 OF 1						
Project Name : The Project For Rehabilitation of Chao Anouvang Stadium										Coordinates :	E: - , N: -	Borehole No: BH-No5					
In The Lao PDR										Elevation (Z):	-	Water Level : - 7.0m					
Work: Geological Survey										Max. Drilling Depth:	20.0 m	Starting Date : 08-Jan-22					
											Finishing Date : 08-Jan-22						
Depth (m)	SOIL DESCRIPTION	Symbol	Wash Out	Sampling method	SPT Blow Count			N Value (2nd+3rd)	SPT Blow Count (Blow/ft)					Consistency			
					1st	2nd	3rd		10	20	30	40	50				
1	2	3	4	5	6	7	8	9	11					12			
1	CL- Silty CLAY Brown -Grey		AU	SS1	4	5	7	12							Medium Dense		
2			AU	SS2	8	9	12	21							Medium Dense		
3			AU	SS3	10	10	14	24							Medium Dense		
4	CL- Sandy CLAY , Grey-Brown -Yellow		AU	SS4	11	12	14	26							Medium Dense		
5			AU	SS5	8	7	8	15							Medium Dense		
6			AU	SS6	6	6	7	13							Medium Dense		
7			UD	SS7	4	4	5	9							Medium		
8			AU	SS8	5	3	4	7							Medium		
9			AU	SS9	4	3	3	6							Medium		
10			AU	SS10	4	3	5	8							Medium		
11			AU	SS11	4	3	7	10							Medium Dense		
12			C-S-G Sandy Clay With Gravel, Grey-Black		AU	SS12	3	3	4	7							Medium
13					AU	SS13	5	3	6	9							Medium
14					AU	SS14	5	3	4	7							Medium
15	AU	SS15			16	5	7	12							Medium Dense		
16	SG- Slit SAND With Gravel-Rock, Grey-Brow-Black				AU	SS16	15	20	23	43							Very Dense
17			AU	SS17	50			50							Hard		
18			AU	SS18				Over 50							Very Hard		
19			AU	SS19				Over 50							Very Hard		
20			AU	SS20				Over 50							Very Hard		
21																	
Sample No					Rock Hardness			Sand	Clay		Sand&Silt						
A: Auguring WO: Wash out ST: Shell By Tube SS: Split Spoon Sample DB: Diamond Bit C: Coring			N: Number of Blow Per Foot Or Per 30 Cm DS : Disturbed Sample UD: Undisturbed Sample		V-H: very hard H: hard B: Brittle V-B: very brittle S: soft			C: coarse M: medium F: fine	V-S: very soft S: soft M-St: med stiff St: stiff V-St: very stiff H: hard		V-L: very loose L: loose M-D: med dense D: dense V-D: very dense						

7-4 IPC アクセシビリティガイド適合リスト

次項以降、IPC アクセシビリティガイド適合リストを添付する。

AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK
2.1 KEY MEASUREMENTS										
Furniture, Counters and Service Areas	Reception desks / service counters	2.1	○		850mm height 750mm knee clearance 500mm depth 750mm width (minimum)	• Main service area should be accessible. Avoid segregated cut-outs/service areas for wheelchair users.	○			×
	Serving Counters	2.1	○		850mm surface height 510mm reach requirement (front and side reach) 300mm (w) x 200mm (d) min clear space for food preparation		○			×
	Restaurant / lounges / food court seating	2.1	○		Bar seating: include lowered section 850mm height, 750mm knee clearance, 1,600mm minimum width Bench seating: provide back support, with max. 450mm seat height and 750mm backrest height, plus minimum kick space of 1/3 seat depth					○
		2.1	○		Bar seating: include lowered section 850mm height, 750mm knee clearance, 1,600mm minimum width Bench seating: provide back support, with max. 450mm seat height and 750mm backrest height, plus minimum kick space of 1/3 seat depth	• Mix of chairs should be provided – 20% with arms.		○	Furniture (table and chair/ bench)	
3.2 DOORS, DOORWAYS, AND GATES										
Entrance Design	Pathway	3.2.2	○		A clear pathway without threshold steps at the doorway.		○			▲
	Entrance door	3.2.2	○		1,500mm min. clear width (main entrance doors), All other doors minclearance of 950mm		○			○
	Signage	3.2.2	○		Clear signage indicating the accessible route.		○			○
	Entry mats	3.2.2	○		Entry mats should be recessed to limit tripping hazard. Or thickness shall be no more than a 5mm.	Mats at many instances should be provided to minimise water or dirt transfer into the building. Mats should be placed away from door swing.	-	-		-
	Push or pull action Force of Door	3.2.2	○		Not be greater than 20N.		○			▲
	Automated door closers	3.2.2		○	Automated door closers that use a sensor to open/close the door are the most usable kind for main entrances to venues and provide greater accessibility.		-	-		-
	Revolving doors	3.2.2	-	-	As revolving doors are not considered accessible, when a revolving door is used, a swing side door with a push button or an automatic sliding door should be placed nearby.		-	-		-
Doors and Doorways	Door width	2.1	○		850mm minimum (clear width)	• Measured when door is open 90 degrees.				
		3.2.3			950mm best practice (clear width) 1,000mm required for specific sports' athlete preparation areas (i.e. competition wheelchairs required)	• The clear space between two doors in series shall consider in addition to the width of both doors when open 90 degrees, the manoeuvring space in between the two doors.	○			○
	Handles	2.1		○	U-shaped levered handles or D handles	• Handles operable by one hand.	○			-
		3.2.5			150mm min. inside handle dimension 900-1,100mm handle height from floor	• Sliding doors are preferable. • Revolving doors are not considered accessible.				
	Signage/notices	3.2.5		○	Signage/notices should never be posted on doors such that readers would be placed in the swing path of the doors.		○	○		▲
	Thresholds	3.2.5	○		Thresholds are tripping hazards and should be avoided.	If necessary, they must meet the minimum requirements described in Section 3.3 Floor surfaces.	○			○
	Luminance contrast of door	3.2.5	○		Door leaf shall have a min. 30% luminance contrast with the frame or adjacent wall. This includes glass doors in glass walls.		○			▲
Clear Space		3.7.6	○		All doors in the emergency path of travel must comply with the min. manoeuvring requirements.		○			×
	3.2.6		○	500mm clear space on pull side (front approach) 300mm clear space on push side (front approach)		○			○	
Power Operated Doors	General	3.2.4		○	If doors are unable to remain open at all times, it is recommended to use power-operated doors.		-	-		-
	Sensor to detect a moving person	3.2.4	(○)		Sensor to detect a moving person as low as 950mm shall be equipped.		-	-		-
		3.2.4	(○)		Place the push button in a visible and reachable area shall be installed		-	-		-
	Push button	3.2.4	(○)		Push button should be easy to operate and reach.		-	-		-
		3.2.4	(○)		30N or less.		-	-		-
	Open speed	3.2.4	(○)		At least 3 seconds or more		-	-		-
Operating hardware	3.2.4	(○)		Operating hardware on sliding doors shall be exposed and usable from both sides when sliding doors are fully opened or closed.		-	-		-	
Power Operated Doors	Control for fire exit route	3.2.4	(○)		If on a fire exit route, door should remain operable in emergency conditions. The push away system should be provided if door is on the exit route.		-	-		-
		3.7.6	(○)		Door openers do not continue to operate in all alarmed conditions.		-	-		-
	Security viewers	3.2.4	(○)		Security viewers in a door should be mounted 1,000mm-1,200mm above finished floor.	The outside area must have at least 10lux of flat even light for the benefit of people who have a vision impairment and people who are hard of hearing or deaf (to facilitate visual languages and/or lip	-	-		-
Gates and Turnstiles	Access control device	3.2.7	○		Where a gate or an access control device (e.g. a magnetometer) is used, a clear opening of no less than 950mm should also be provided.		-	-		-
	Gate mechanism	3.2.7	○		Where a gate mechanism is provided, upon operation the gate shall swing away from the user.		-	-		-
	Accesible turnstiles	3.2.7	○		Where turnstiles or other ticketing control devices are provided (which are typically not wheelchair accessible) then a gate or opening which is accessible shall also be provided in immediate proximity.		-	-		-

LEGEND (For "CHECK" column) ○: Adapted, ▲:Partially adapted, ×:Not adapted

AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK	
Manually Operated Sliding Doors	Sliding Doors	3.2.8	○		Consider the proper hardware system that can be used for all.		○			▲	
	Indicator	3.2.8	○		Glazed doors need to include colour-contrast strips or other indicators to become detectable by people with a visual impairment.		○			▲	
3.3 FLOOR SURFACES											
Material	Threshold	3.3.1	○		Material should be even and levelled in all areas, including when transitioning from one material to another.	A smooth threshold should be used to have a seamless change.	○			○	
	Carpet	3.3.1	○		In general, the use of carpet is not recommended. If used, the carpet should not be thicker than 15mm.		○			○	
	Surface of landscape pathway	3.3.1	○		The material must be firm even if it is a landscape material. It is not recommended to use sand, dirt, rocks or even artificial or natural grass on a pathway that will be considered accessible.		○			○	
	Gaps	3.3.1	○		Vertical changes in level greater than 6.4mm in height should be avoided. Where the change in level is greater than 6.4mm, a slope should be provided to prevent users from falling.		○			○	
3.4 CLEAR FLOOR SPACE											
Turning Space for Wheelchairs	Turning Space	3.4.1	○		Turning space should be a clear circular space with a 1200mm min. radius. In some instances, the clear space can be defined by a 'T' shape, which allows a person to manoeuvre under certain conditions. See Figure 10: Turning space clearances. Clearance spaces should never be overlapped by objects.		○			○	
3.5 REACH RANGE, KNEE AND TOE CLEARANCE											
Operable Parts	Switches and buttons	3.5.1		○	Best to provide both forward and side approach options		○			—	
		3.5.1	○		Between 750mm and 1220mm above finish floor		○			▲	
Table and Counters	Tops of tables and counters	3.5.2	○		850mm above the finish floor or ground			○			
	Turning space	3.5.2	○		Shall not overlap knee space by more than 485mm		○			○	
	Height	3.5.2		○	Should be one height that is universally accessible		○			×	
	Knee space	3.5.2	○		750mm high, 750mm wide, and 500mm deep.		○			×	
3.6 VENUE ACCESSIBLE SEATING											
Sight Lines	Acceptable viewing standard	2.1		○	C-value of 90mm or above	Taken in consideration a person standing in front of the accessible seating position. Railings and other obstacles should not impair the sightlines of people using accessible seating.	○			○	
		3.6.2									
Accessible Seating	Numbers and ratios	3.6.1		○	Should not be segregated from their groups. Should have the opportunity to decide the seat section.		○			▲	
	General	2.1		○	Additional consideration is made for venues where standing tickets are sold to ensure there are accessible viewing areas.			○			
		2.1	○		Companion seating to be provided at an equal ratio, next to (not behind) each space.		○			○	
		2.1	○		Additional enhanced amenity seats (seats suitable in width and access by persons with mobility or sensory disabilities, such as people using crutches, people with guide dogs or people using a hearing augmentation system or device) should be provided at a min. ratio of 1% of Games seated capacity.		—	—		—	
Accessible Seating	Size	3.6.3	○		An accessible seating space needs to be levelled.		○			○	
		3.6.3	○		No objects or spectators must block the view		○			○	
		3.6.3		○	Desirable to utilise loose companion seats		—	—		—	
	Clear Space Access	3.6.3	○		800mm x 1,300mm for accessible seat user.	→1,300mm x 2,300mm for an accessible seat and companion seat with a pathway behind	○				▲
		3.6.3	○		500mm x 1,300mm of an adjacent area for companion or enhanced amenity seat.		○				▲
		3.6.3	○		Circulation space behind: 1,000mm width		○				▲
3.6.3	○		Within 40m of an accessible toilet facility		○				▲		
3.7 EMERGENCY PROVISIONS											
Emergency Provisions	Evacuation	3.7.1	○		Routes acting as immediate egress to an open and safe area must encompass a barrier-free path		○			○	
Areas of Rescue Assistance	General	3.7.2	○		Should be located on an accessible route		○			○	
		4.10.2									
	Size	2.1	(○)		Min. size of 850mm x 1,300mm per anticipated potential user (no fewer than two space)		○			▲	
		3.7.2									
	4.10.2										
	Smoke- and fire-free compartment	3.7.2	○		Should be in the stairwell and in the core of the building.		○			○	
	Signage	3.7.2	(○)		Should be provided at the height of 1,800mm and 2,000mm	The lettering should be of high contrast and tactile lettering.	○				○
		4.10.2									
Door	3.7.2	(○)		Should swing out into the area of rescue		○				○	
	4.10.2										
Training	3.7.2	(○)		Should be of a contrasting colour to the surrounding surfaces.		○				○	
	4.10.2										
Exit stairs	3.7.2	(○)		Provide a hands-free intercom or other communication device.		○				×	
	4.10.2										
Alarms	Visual fire alarm/strobe warning system	3.7.2	(○)		Provide proper awareness training to staff on the appropriate use of this area.			○		—	
		4.10.2									
Alarms	Emergency call buttons	3.7.2	○		Should be equipped with glow in the dark, stair nosing or handrails.		○			○	
		4.10.2									
	3.7.3	○		Required in public gathering areas, in all washrooms, and in front of elevators.	The max. allowable strobe flash is 1 - 3 Hz.	○				▲	
Fire alarm pulls and fire extinguishers	Emergency call buttons	2.1		○	Should be considered in washrooms with the system to monitor whenever the facility is in use.	when monitoring is not available, an alarm with both audible and visual signals that are noticeable in an adjacent hallway will suffice.	○			▲	
		3.7.3									
Fire alarm pulls and fire extinguishers	Fire alarm pulls and fire extinguishers	3.7.3	○		Should be installed.		○			▲	
		3.7.3	○		To be mounted at a max. operating height of 1,200mm and be placed on an open wall free of obstructions.	The same standard applies for fire and emergency alarms in button panels.	○			▲	

LEGEND (For "CHECK" column) ○: Adapted, ▲: Partially adapted, ×: Not adapted

AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK					
First Aid Rooms	Signage	3.7.4	○		Requires tactile/ high contrast signage.		○			○					
	Pathway		○		Requires connecting paths accessible to wheelchair users and people using walking aids.		○			○					
	Gurney/ bench	3.7.4	○		Typical cot should be replaced with a variable height gurney or change bench.			○							
	Washroom	3.7.4	○		Gender-neutral accessible washroom should be located in the immediate vicinity of the first aid room.		○			○					
Evacuation Instructions	Procedures and maps	2.1	○		Easy-to-read emergency procedures and exit route maps to appear in large print (min. of 14 point), high contrast (red on white or vice versa preferred) and include a floor plan diagram with clearly marked exit points.		○			○					
		3.7.5	○												
		2.1	○								To be mounted at a max. height of 1,350mm (1,300mm in 2.1) from the finished floor.				○
		3.7.5	○								To highlight the accessible route to the closest exit and/or rescue assistance area.				○
	Lighting	3.7.6		○	Lighting must assist people to find the way out of an alarm zone.		○			○					
		3.7.6		○	Low mounted (480mm above finished floor) exit signage to assist all users along exit routes		—			▲					
	Video/ data monitors	3.7.6	○		Video/ data monitors used in the facility should also communicate emergency messages to patrons.		○			○					
Operation	3.7.7	○		Event planners and operators need to develop customised emergency response plans for the para sport events.			○		—						
4.2 PATHWAYS															
Pathways	General	4.2	○		All hallways should allow for turnaround, overpassing or manoeuvring space every 10m.		○			○					
		2.1	○		Width: 1,000mm (min. with restrictions) 1,500mm (low traffic) 1,800mm (mid. traffic) 2,000 mm (high traffic) Clear headroom space: 2,100mm	• Pathway width measurements are applicable to ramps, queuing areas, aisles, etc. • 1,000mm will be usable only for distances of 1,000mm max.	○			○					
	Slope	4.2	○		A gradient of the cross slope, perpendicular to the accessible path of travel, should not be more than 2%.		○			○					
	Rest Areas (External)	General	4.2.1	○		Provide areas to sit/rest every 50m along all external paths.			○						
Rest Areas (External)	Lighting	4.2.1	(○)		Should provide the right illumination					▲					
	Quiet space	4.2.1	(○)		Quiet spaces along pathways should be provided for individuals with autism spectrum disorder.			○							
Queueing Areas	Clear space	2.1	○		Barriers at queueing areas need to allow a clear width of 1,500mm for each line.		○								
		4.2.2	○												
	Slope	2.1	○		The slope of the waiting area should be level or not exceed 1:50 (2%).		○			○					
		4.2.2	○												
Bench	2.1		○	The provision of benches is important when the queueing distance is anticipated to be longer than 50m.				○							
	4.2.2														
Colour	4.2.2	○		There should be prominent colour contrast between ropes, bars or barriers to define the queueing areas and the surrounding environment.				○							
Pedestrian Crosswalks	Materials	4.5		○	Textured surfaces are recommended.		—			—					
4.3 WALKING SURFACES AND PROTRUDING OBJECTS															
Protruding Objects	Size and location	4.3.1	○		Objects protruding into accessible routes with their leading edges between 700mm and 2,100mm from the floor shall not extend beyond 400mm into any pedestrian pathways.		○			○					
		4.3.1	○		Clear headroom space of 2,100mm is required across the entire width and length of the pathway	If headroom becomes lower than 2,100mm, a guard must be provided to prevent people trespassing into the lower areas. See Figure 16 Headroom	○			○					
	Clear space	4.3.1	(○)		If an object must be placed on the path of travel, the width of the path should not be less than 1,000mm for a distance longer than 1,500mm.			○							
	Tactile/ signage	4.3.1		○	A tactile walking surface indicator should be considered when protruding objects.		○			▲					
Exterior Pavement	Materials	4.3.2	○		Avoid soft and uneven pavements such as gravel or any compound that does not provide a stable surface.	Best to use concrete or asphalt on all exterior pathways.	○			○					
	Clear space	4.3.2	○		Light poles, signs, newspaper boxes, garbage containers, etc., should be kept off the path or clearly marked with high contrast colour.			○							
	Signage	4.3.2	○		Portable signage such as sandwich boards should not be placed on pathways.			○							

LEGEND (For "CHECK" column) ○: Adapted, ▲: Partially adapted, ×: Not adapted

AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK	
4.4 RAMP											
Slope	General	4.4.1	○		Best for a ramp is 1:20 (5%) with landings every 10m.		○			○	
		2.1	○		1:14 (7.14%) min. grade for height up to 3000mm 1:50 (2%) maximum cross slope	• 1:20 applies as max. grade for ramps serving primary entrances or busy facilities, long or crowded walkways, or for covering more than 3000mm height difference. • 1:14 (7.14%) max. grade is acceptable for secondary or ancillary facilities. • Ramps should not exceed 60m in length.	○			○	
		2.1	○		Slopes adjacent to kerb ramp should be 1:50 (2%)		○				○
	Width	2.1	○		The min. width of a ramp (measured between handrails) shall be 1,800mm to allow two wheelchairs to overpass. This is required in ramps longer than 5m or at a switch back ramp.	If the length of the ramp is less than or equal to 5m, the width can be 1,500mm.	○				×
		4.4.1	○								
	Handrails	2.1	○		Handrails should be provided on both sides in all ramps that exceed 30cm measured at its highest point to the below connecting surface. 850-950mm (865-965mm Fig. 18) above ramp surface 35-45mm grip surface 45-60mm from wall surface 300mm extension beyond start and end of ramp		○				▲
		4.4.1	○								
Landings	General	4.4.2	○		Landings should be placed in front of doors or when an incline path changes direction.		○			○	
		2.1	○		A landing is required when a ramp covers a vertical height difference of more than 500mm.	Width: same as ramp width Length: 1,500mm min	○			○	
		4.4.2	○								
		2.1	○		A new landing is required for every 500mm of vertical height difference the ramp covers.	Width: same as ramp width Length: 1,500mm min	○			○	
		4.4.2	○								
	4.4.2	○		The horizontal length between landing depends on the ramp's gradient. 1:14→ every 7m of horizontal length 1:20→every 10m of horizontal length. Less than 1:20→the horizontal length between landings may increase proportionally, but shall not exceed 20m.		○				○	
	Clear space	4.4.2	○		The landing should provide at least 1,800mm turning radius when the ramp changes direction. The width should be same as the ramp, and should be 1,800mm (min) in depth.		○				×
Handrails	4.4.2	○		Should be provided in landings when the height difference is above 300mm.		○				○	
Handrails	Size	4.4.3	○		Should have an appropriate radius and shape.	○				▲	
Handrails	Colour	4.4.3	○		Should have contrasting colour to their adjoining structure.	○				▲	
		Materials	4.4.3	○		Should have a continuous gripping surface without interruptions for posts or other construction elements.	○				▲
	Clear space	4.4.3	○		Should have a clear space between the handrail and the wall of 45-60mm.	○					▲
		Location	4.4.3	○		Should be mounted between 850 - 950mm above the stair nosing.	○				▲
			4.4.3	○		Should be mounted between 850 - 950mm above the surface of the ramp following the same angle as the ramp itself.	○				▲
	4.4.3	○		Should have a continuous inside handrail or, if not continuous, extend at the top of the stairs or ramp parallel with the floor surface at a distance of 300mm or, if at the bottom of the stairs continue at slope for a distance equal to one tread and then extend parallel to the floor surface not less than 300mm and return into wall, floor or post.	○					▲	
	Signage	4.4.3	○		Should have a tactile message strip on exit levels of each handrail.	○					▲
4.5 KERB RAMPS											
Kerb Ramps	General	4.5	○		The max. slope of a kerb ramp is 1:8 or 1:10 depending on the vertical height it covers.					-	
		4.5	○		Should have flared sides to eliminate the hazard of pedestrians stepping off an edge. The flared side must have a max. gradient of 1:10.					-	
	Size	4.5	○		Should have a min. width of 1,000mm.					-	
	Materials and colour	4.5	○		Should have a slip-resistant surface with a detectable warning surface that is colour and texture contrasted with the adjacent area.					-	
	Slope	Gradient	4.5.1	○		The slope of the routes immediately adjacent to the kerb ramp shall be 1:14 (7.14%) max.					-
4.6 STAIRS, MOVING WALKWAYS AND ESCALATORS											
Stairs	Size	2.1	○		Riser heights should be no more than 180mm and not less than 125mm; best practice 150mm.	○				○	
		4.6.1	○								
		2.1	○		Treads should run no less than 280mm and not more than 350mm deep, measured from riser to riser.	○				○	
	4.6.1	○				○				○	
	General	4.6.1	○		Closed risers are essential; open risers should be avoided.	○					○
		Landing	4.6.1	○		Should have the same width as the stairwell and should be at least 1,500mm in depth.	○				○
	Nosing	2.1	○		May not project more than 38mm.	○					○
		4.6.2	○								
		2.1	○		Should have a high visual contrast to the tread and be of a non-slip material.	○					▲
	4.6.2	○		Need to be illuminated to a min. level light of 100lux and have no abrupt undersides.	○						▲
Handrails	2.1	○		Provide handrails.	○					○	

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AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK	
Signage	Size	2.1 4.6.3	○		Must be provided at the top of each set of stairs. Should extend to the full width of the stairs for a depth of 600mm and commence at one tread depth back from the stop stair.		○			▲	
	Colour	4.6.3	○		The warnings should be of a contrasting colour to the surrounding floor surfaces and detectable by cane.		○			▲	
4.7 ELEVATORS											
Elevators	General	4.7.2		○	Flow through design using two doors (one front, one back) is recommended especially elevators serving only two floors.		○			—	
	Doors	4.7.1	○		Shall be power operated and preferably sliding.		○			○	
		4.7.1	○		Shall be provided with a door obstruction sensor device that will function to stop and reopen in case the door is obstructed while closing.		○			▲	
		4.7.1	○		A min. of 6 seconds is needed for doors to remain open at any call, except when users use the door open-close buttons in the car.		○			▲	
		2.1 4.7.1	○		The clear width shall be 850mm, but for elevators serving public spaces and sport facilities clear width of elevator doors shall be at least 950mm.		○			○	
	Car	4.7.1	○		Shall be equipped with a levelling device to maintain the floor level to a height not greater than +/- 10mm.		○			▲	
		2.1 4.7.2	○		Size shall not be less than 1,700mm x 1,500mm.		○			○	
		2.1 4.7.2	○		In facilities with high public use, such as sporting venues, the size shall not be less than 2,100mm x 1,500mm.		○			○	
	Elevators	Lighting	4.7.2	○		Lighting levels inside the car should be maintained at ambient hallways light levels of even, flicker-free light and shall not be less than 100lux.		○			▲
		Handrails	4.7.2	○		Should be equipped with handrails.		○			▲
				○		Should be installed at a height of 850 - 950mm.		○			▲
Materials		4.7.2	○		Floor inside elevators must be easily recognisable and need to avoid the use of dark floor surfaces.		○			▲	
				○		Need to be a slip-resistant surface.		○			▲
Mirror		4.7.2	○		A mirror is required on the back wall of elevators to help people with a mobility impairment exit the car in crowded conditions.		○			▲	
		4.7.2	○		The bottom edge of the mirror must be no higher than 1,000mm from the finished floor and extend across the width of the elevators.		○			▲	
Signage		4.7			Shall be identified with appropriate signage.		○			▲	
Location indicator		4.7.2	○		Shall be provided.		○			▲	
Controls		2.1 4.7.3	○		Must be located on the side wall, approx. 250mm from the elevator door.	This makes it possible for wheelchair users, people of low stature, or those with balance issues to have access to the controls.	○				▲
		4.7.3	○		Shall be readily accessible for a wheelchair user upon entering an elevator.		○				▲
		2.1 4.7.3	○		The emergency/alarm and door operating buttons shall be located at the bottom of the control panel, at no less than 850mm from the floor. The highest button in the elevator panel shall be no higher than 1,200mm from the floor.		○				▲
		2.1 4.7.3	○		Floor buttons shall have at least 20mm diameter and be raised or tactile. They should be provided with visual and momentary audible indicators to show when each call is registered.		○				▲
		2.1 4.7.3	○		All car control buttons shall have raised characters for letters and numbers as well as Braille, placed immediately to the left of, or on, the buttons to which they apply.		○				▲
	4.7.3	○		Emergency communications using hands-free, intercom systems are required in place of a typical telephone style handset.		○				▲	
	2.1 4.7.3	○		Synthesised voice floor callers are required in elevators serving more than two floors, announcing the direction of travelling (up or down) and floor destination of the elevator.		○				▲	
	4.7.4	○		In the hall leading to the elevator, the control panel shall have the same specs. As the control panel inside the car.		○				▲	
Audio announcement	4.7.4	○		Shall be provided indicating the current floor and direction of travel (up or down) when the elevator stops at the landing and when the doors open or		○				▲	

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AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK
2-way Communication System	General	4.7.4	○		Shall be equipped with a 2-way communication system, which will be linked to an emergency response system.		○			▲
	Location and signage	4.7.4	○		The highest part of the system shall be at a max. of 1,200mm above the floor and shall be identified by a raised symbol or lettering.		○			▲
4.8 TRANSPORT LOAD ZONE										
Transport Load Zones	General	4.8	○		Cars should be able to park away from the kerbside.		○			○
		4.8	○		An accessible pathway from the facility to the loading/unloading area.	The route should connect from the drop-off area to the building entrance or sidewalk and should be protected from car circulation.	○			×
		4.8	○		Waiting/resting seat provision should be in place.			○		
		2.1	○		Kerb ramps should be in place.	At least one kerb ramp.	○			–
		4.8	○		The route should connect from the drop-off area to the building entrance or sidewalk and should be protected from car circulation.		○			–
		4.8	○		Need to accommodate vans and minibuses with rear mounted lifts and side mounted lifts.		○			–
		4.8	○		Need to accommodate high floor coaches fitted with short rise platform lifts.		○			–
		2.1	○		Need to provide an aisle of at least 2,400mm x 7,000mm long adjacent and parallel to the vehicle pull-up space.	if indoors, a clear ceiling space of 3,300mm min (measured from finished floor to ceiling) adjacent and parallel to the vehicle pull-up space.	○			○
		4.8	○		The min. light level required is 60 lux.		○			▲
4.9 SIGNAGE WAYFINDING AND PUBLIC SPACES										
Signage	General	4.9.1	○		Signage should be organised and continuous in presentation, offers precise communication, language neutrality, and consistency.	Items to consider: Numbered exits and program areas Colour coding Spacing of signage and key decision point information Universal symbols and pictograms	○			
	Colour	4.9.2		○	Important that the text and background colours are contrasting.		○			▲
	Materials	4.9.8	○		Should be constructed so that elements can be easily updated. Modular construction can be beneficial to permit graphic panels to be removed and replaced as program spaces are updated.		○			▲
	Wording	4.9.8	○		Prepositions to be omitted.		○			▲
		4.9.8	○		Use an ampersand "&", instead of the word "and."		○			▲
	Typeface	4.9.8	○		Should be composed of standard sans-serif fonts with easily recognisable upper and lower-case characters.		○			▲
		4.9.8	○		Fonts with medium heaviness should be used.		○			▲
		4.9.8		○	Bold or heavy fonts may be appropriate when emphasizing a word or passage.		○			▲
		4.9.8	○		Complicated and decorative fonts should be avoided.		○			▲
		4.9.8	○		Italic, oblique and script fonts should be avoided.		○			▲
	Materials	4.9.8	○		Mono-faced fonts should be used over fonts with proportional spacing.		○			▲
		4.9.8	○		Should be non-flammable, non-fading and vandal resistant to the greatest extent possible.		○			▲
		4.9.8	○		Materials that require minimal long-term maintenance should be selected.		○			▲
		4.9.8	○		Permanent signs should be built to resist seismic events.		○			▲
	Letter sizes	4.9.8	○				○			▲
Signage of the International Symbol of Access (ISA) or a Modified ISA	Location	4.9.2	○		Required at the following locations: Accessible parking spaces Accessible passenger loading zones Accessible rooms where multiple single-use toilet rooms are clustered at a single location Accessible entrances where not all entrances are accessible Accessible check-out aisles where not all aisles are accessible Family or assisted-use toilet rooms Accessible dressing, fitting and locker rooms Accessible areas of refuge Exterior areas for assisted rescue		○			▲
		4.9.2	○		Signage should be placed 1,015mm min. above the floor of the viewing position, measured to the baseline of the character.		○			▲
Kiosks and Maps	Location	4.9.3	○		Should be located at major decision points, at entrances, and along pathways.		○			▲
	Clear space	4.9.3	○		Ensure there is adequate clear floor space in front of the kiosk or map to accommodate a wheelchair user.		○			▲
Pictograms and Icons	Colour	4.9.4	○		Avoid the use of intense warm colours, such as bright yellow, red or orange. Consider contrasting colours.		○			▲
	Size	4.9.4	○				○			▲
Audible Cues	Beacons	4.9.5		○			○			–
Tactile Signage with Braille	General	4.9.6	○		All rooms and program spaces should be identified with tactile signage.		○			▲
		4.9.6	○		Test on tactile signs should be accompanied by Braille.		○			▲
		4.9.6	○		Where tactile signs are required, either one sign with both visual and raised characters, or two separate signs, one with visual and one with raised characters, shall be provided.		○			▲

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Tactile Maps	General	4.9.6	○		Should avoid too much information.		○			▲	
		4.9.6	○		Permanently located maps should be in alignment with the four cardinal directions relative to the physical space depicted.		○			▲	
	Labels	4.9.6	○		Should be included in both large print with high colour contrast and Braille.		○			▲	
	Texture symbols	4.9.6	○		Should be easy to distinguish both visually and tactually from other area symbols on the map.		○			▲	
	Legend or key	4.9.6	○		Should be shown before the map and should clearly display and explain the various colours, textures and visual and tactile symbols included on the map.		○			▲	
Tactile Walking Surfaces	Materials	4.9.7	○		Should be composed of different floor textures that are detectable by a cane sweep and can be followed like a curb on a street.		○			▲	
Tactile Walking Surfaces		4.9.7	○		If more than one tactile surface walking indicator is used, differentiate each other.		○			▲	
		4.9.7	○		Reflective surfaces and truncated domes as tactile direction indicators should be avoided.		○			▲	
		4.9.7		○	Different finish materials can be useful in differentiating different paths of travel and providing detectable tactile warnings.		○			▲	
	Colour	4.9.7	○		At least 50% of colours and tones should contrast with the surrounding surfaces.		○			▲	
	Location and size	4.9.7	○		All hazards on an accessible route should be clearly marked with a strip of raised, truncated domes placed across the entire length of the hazard and a min. of 300mm width.		○			▲	
	Size	4.9.7	○		Domes should have a base diameter of 23mm min, and 36mm max., and a top diameter of 50% min. and 65% max. of the base diameter.		○			▲	
		4.9.7	○		Truncated domes shall be 5.1mm in height.		○			▲	
Directional Arrows	General	4.9.8		○	Recommended that directional arrows are incorporated into signage systems to improve wayfinding and to increase accessibility.		○			▲	
Directional Lighting	General	4.9.9	○		Ambient light should be provided in each room, with preference given to both natural daylight and dimmable fluorescent lamps.		○			▲	
		4.9.9		○	Luminance contrast can be very helpful to locate important features such as doorways, signs, hazards and objects of interest.		○			▲	
5.2 DRINKING FOUNTAIN											
Drinking Fountain	Location	5.2	(○)		Should be located with the spout 1,050mm above the finished floor and approx. 150mm clear from the wall for a person standing.					-	
		5.2	(○)		Should be located with the spout 900mm above the finished floor and approx. 380mm clear from the wall for wheelchair users or people of small stature.					-	
		5.2	(○)		The spout positioned further away from the wall allows knee recess space for a wheelchair user to move close enough.					-	
5.3 TOILET COMPARTMENT AND CUBICLES											
Toilet	General	5.3		○	Recommended to provide a gender-neutral bathroom that includes shower and toilets.	For full-time assistance to assist.	-	-		-	
		2.1	○		Every bank of toilets has one gender-neutral accessible facility adjacent; 2,200mm x 1,800mm clear space of a gender-neutral accessible washroom	A gender-neutral accessible washroom includes toilet pan, wash basin, grab rail, mirror, soap, paper towel, toilet paper dispensers.	-	-		-	
		5.3	○		Both the men's and the women's toilets should also provide accessible features.		○			○	
		5.3	○		Provide at least one accessible cubicle in both the men's and women's toilets.		○			×	
	Ratio	2.1	○		1:15 (one toilet for every 15 accessible seats in a venue or in the locker rooms of back of house, the ratio applies to athletes with mobility impairment) minimum ratio for accessible toilets. Where only one toilet is provided, it should be made accessible.	In a large venue.	○				▲
		5.3									
	Each Compartment	Circulation spaces	5.3	○		Provide an enlarged accessible toilet compartment/ cubicle		○			○
2.1			○		The interior of the cubicle should provide a clear turning radius of 1,500mm which does not overlap any of the plumbing fixtures, such as toilet and sink.		○			○	
5.3											
2.1			○		Provide 750mm transfer space next to toilet lid, with 800mm being best practice		○				▲
Door		5.3	○		The outward swining door should offer a clear width of at least 700mm (850mm min. door width (950mm best practice) Ch.2.1) and not overlap any of the clearances of the plumbing fixtures.	Light operating door closer (20Nm) and self-closing.	○				×
Handrails		5.3	○		The toilet pan must be served by at least one vertical handrail which is 600mm long, located with the centre line positioned 1,200mm above finished floor level.		○				▲
		5.3	○		The toilet pan must be served by a horizontally-positioned grab rail located on the adjacent wall.		○				▲
		5.3	○		All grab rails should contrast in colour with its background.		○				▲
		5.3.2	○		Required in toilet compartments, showers and tubs.		○				▲
Fixtures		2.1			450mm toilet pan from side wall 440-460mm toilet seat height 750mm long L-shaped grab bars, mounted; 230mm above toilet seat, 150mm in front of toilet seat 600mm min. height of toilet paper	• Back support should exist where there is no lid or tank. • Tank lid securely attached. • Toilet flush controls electronic or within reach on transfer side (opposite the wall/grab bar).	○				▲
Urinals	General	5.3.1	○		In all men's bathrooms provide at least one accessible urinal.		○			▲	

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Urinals	Location	5.3.1	○		Accessible urinals must have an elongated bowl with the top of the rim no more than 400mm from the finished floor level.		○			▲	
	Colour	5.3.1	○		The accessible urinal must have a contrasting colour in relation to its back wall.		○			▲	
	Clear space	5.3.1	○		There should be a clear space in front of the accessible urinal offering 760mm clear width and the space 1,220mm long.		○			▲	
	Handrails	5.3.1	○		Vertical grab rails 600mm long should be positioned either side of the accessible urinal.		○				▲
		5.3.1	○		Each vertical grab rail should be positioned so that its centre point is located 1,200mm above the finished floor level.		○				▲
Lavatories and Sink	General	5.3.3	○		Sinks should provide enough space in the front to be approached.		○			▲	
	Location	2.1			900-1,100mm height of accessories, 750mm from the centre of the sink 150mm maximum basin depth 680mm basin height clearance		○			▲	
		5.3.3	○		The sink tap controls must be placed 430mm distance from the edge of a free-standing sink or sink countertop.		○				▲
	Tap	5.3.3		○	A hands-free automatic tap is preferred. The min. requirement is for a single, thermostatically controlled and lever-operated tap.	Separate controls for hot water and cold water should not be used.	—			—	
	Accessories	5.3.3	○		Accessories such as soap dispenser and paper towel should be located within the reach range specified.		○				▲
		5.3.3	○		Garbage can should not block access to the paper towel dispenser, or the required 500mm pull space beside the exit door.			○			—
		5.3.3		○	Provide a small removable step in front of the sinks to provide a good access for people with lower stature or children.			○			—
	Clear space	5.3.3	○		A min. knee clearance under the counter is 750mm to a depth of 500mm. The top height of the counter should be no more than 850mm. The counter should provide the possibility of front or side approach.		○				▲
	Mirror	2.1	○		Immediately above the basin at a height of 1,800mm		○				○
	AC outlet	2.1	○		Should be located close to toilet for powered-adaptive devices.		○				—
Shower and Water Closet	General	5.3.4		○	Consider a combination of a shower and a toilet than a locker room.		—	—		—	
		5.3.4	○		A toilet with front and side transfer approach should be provided.	Refer to Figure 11: Side and front approach	○				○
		5.3.4	○		A shower should be provided with a shower bench. It should be approachable from the side and free of steps.		○				○
	Emergency call buttons	5.3.4	○		An emergency button should be located within reach range near the toilet and the shower.		○				
	Sink	5.3.4	○		A sink should be provided with front and side approach.		○				
	Changing table	5.3.4	○		A changing table should be provided between 500mm - 580mm height.		—	—			—
	Mirror	5.3.4	○		A full body mirror should be placed. The location should not obstruct.		○				×
	Hand dryer and paper towel	5.3.4	○		Hand dryer and paper towels should be located at 1,000mm height.			○			—
	Location	5.3.4	○		Toilet paper should be placed between 350mm and 450mm at 100mm max. away from the edge of the toilet.		○				▲
Grab bars	5.3.4	○		All grab bars should comply with the min. requirements. Bars should be placed around the toilet, but they should not hinder the ability of a person to transfer, according to the different approach.		○				▲	
Signage	Location	2.1			1,350mm mounted from the floor on the wall (on the latch side of the door, not on the door itself)	Standardised symbols used with raised lettering 1mm in height.	○				▲
5.4 SHOWER AND TUB											
Shower	General	5.4.1	○		Must be of a "wet room" design.		○				○
		5.4.1	○		Never install shower trays unless they are imbedded in the slab and provide a seamless transition from the floor into the shower tray.		○				○
		5.4.1	○		The floor should slope gently towards a gulley or drain.		○				○
	Shower bench	2.1	○		480mm deep, 850mm long, mounted 440-460mm from floor, 135kg load capacity		○				▲
		5.4.1	○		1,500mm hose		○				▲
Handheld shower	2.1	○				○				▲	

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AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK	
Shower	Handrails	2.1	○		750mm (along folding seat wall) x 900mm (along shower wall) set horizontally, 850mm above the floor		○			▲	
	Water control	2.1	○		Mounted 750mm from the floor and 750mm from end wall	Lever operated faucet with 13N operating force	○			▲	
	Emergency pull cords	5.4.1	○		Install emergency pull cords extending almost to floor level.		○			▲	
	Materials	5.4.1	○		The floor should be slip resistant.		○			○	
	Mirror	5.4.1	○		A full-length safety mirror should be provided set 300mm from the floor.		○			▲	
	Accessories	5.4.1	○		Clothes hooks should be provided between the height of 1,200mm (standard) and 1,800mm.	Accessible clothes hook height is 1,120mm. See Table 7: Bathroom fixtures measurements	○				▲
		5.4.1	○		A towel rail should be positioned at a height of 1,000mm.		○				▲
		5.4.1	○		Provide a selection of equipment for use in the shower, including rubber bathmats, stand-alone shower chairs, and additional grab rails.			○			—
2.1	○		Recessed soap holders or shelves within easy reach.			○			▲		
5.5 LOCKER ROOM											
Locker Rooms	General	5.5.1	○		The locker should be easy to access, without having any obstacles such as benched in front. There should be enough space to circulate and operate the doors.		○			○	
	Door handle	5.5.1	○		Locker door handle should be placed between 610mm and 1,220mm.		○			▲	
	Hanger rod	5.5.1	○		A hanger rod must be placed within reachable range for a person to have access from a seated position. A hanger rod for a person standing should also be provided.		○			▲	
	Furniture	5.5.1	○		Benches should be relocated to provide better circulation for wheelchair users, but they should not be completely removed.			○		▲	
Private Changing Space	Furniture	5.5.2	(○)		Should provide a bench and enough space to circulate.		○			×	
	Accessories	5.5.2	(○)		An accessible hanging rod and a mirror can improve the usability.		○			×	
Common Shower Space	General	5.5.3	○		Should provide at least one accessible stall of step free.		○			▲	
		5.5.3	○		Should provide a transfer space onto a bench and a rotation space within the shower space.		○			▲	
		5.5.3	○		Should have a curtain that prevents the mobility device from getting wet.		○			▲	
5.6 LAUNDRY ROOM											
Washer and Dryer	Ratio	5.6.1		○	Ensure at least 1 (or 10% of the total number of) machine(s) are accessible.					—	
	General	5.6.1	(○)		Washing machines and tumble dryers are front-loading machines.					—	
		5.6.1	(○)		All controls should be within reachable range.					—	
	Location	5.6.1	(○)		Washing machines or tumble dryers to be located on a plinth to raise the centre of the door opening to 600mm above finished floor level.					—	
	Control panels	5.6.1	(○)		Ensure all washing machines and tumble dryers provided have control panels and operating buttons no higher than 1,200mm above finished floor level.					—	
	Clear space	5.6.1	(○)		Washing machines should provide a clear passageway no less than 1,000mm when the machine door is open.					—	
6.3 PARKING											
Parking	Ratio	2.1	○		In car parking areas, a min. of 2% (best practice is 3%) of car spaces should be provided for people with disability.		○			○	
		6.3.1									
	Size	2.1	○		Designated parking spaces must be a min. of 3,200mm wide, while best practice is 3,600mm.	Two spaces can share the transfer zone to help minimize the space requirements.	○			○	
		6.3.1									
	General	6.3.1	○		Accessible parking spaces shall be level, have a max. cross-slope of 2% in any direction, have a firm, slip resistant surface, and be located as close as possible to an accessible entrance.		○			○	
	Ratio	6.3.1	(○)		One in eight designated spaces need to accommodate side lift vans. Van parking requires a total width of 4,600mm (expanding the transfer area by 700mm to accommodate the lift.)		○			○	
	General	6.3.1	○		Where designated parking is not directly connected to the sidewalk, a marked pedestrian route should be provided to the closest exit or accessible sidewalk.		—	—		—	
	Signage	6.3.2	○		The signage shall start outside the car park to be advised which lane they should be in.		—	—		—	
Materials	6.3.2	○		All ground surfaces, including painted signs, shall be slip resistant.		○			▲		
ISA	Location	2.1	○		Shall be provided on both the ground (best practice size is 1,000mm x 1,000mm)		○			○	
6.3.2											
ISA		2.1	○		Shall be provided vertically in front of each car space. The vertical sign should be 300mm x 250mm and placed no lower than 1,500mm so that it can be seen over a car.		○			▲	
6.3.2											
Drop-off	Layout	6.3.3		○			—	—		—	

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AREA	KEY ITEM	IPCAG	REQ'D	RECOM	MEASUREMENT	COMMENTS	JAPAN	LAOS	REMARKS	CHECK	
6.6 HOTEL (As a reference for Dormitory)											
Accessible Room	Door	6.6.2	○		Shall provide a min. clear width of 850mm, while best practice is 950mm and should be equipped with "U" shaped levered handsets.		-	-			
		6.6.2	○		Automatic door closers should be adjusted to provide a max. of 20N force.		-	-			
		6.6.2		○	Where possible, conventional closers should be replaced with delayed action, low resistance closers.		-	-			
		6.6.2	○		Safety chains, locks and other hardware must be operable by one hand, not require good dexterity to operate, and be mounted a max. of 1,200mm above the finished floor.		-	-			
		6.6.2	○		There should be security viewers in the door, mounted at 1,000mm - 1,200mm above the finished floor.		-	-			
		6.6.2	○		The outside area must have at least 10lux of flat, even light for the benefit of people who have a visual impairment and people who are hard of hearing or deaf (to facilitate visual languages and/or lip reading).		-	-			
		6.6.2	○		Should have low mounted, large format/ high contrast evacuation information. Route signage.		-	-			
	Circulation and transfer space	6.6.2	○		Should provide at least one space for circulation and change of direction.		-	-			
		6.6.2	○		This space must be at min. 1,200mm x 1,200mm (or diameter 1,200mm) with best practice being 1,500mm x 1,500mm (or diameter 1,500mm).		-	-			
		6.6.2	○		Transfer space (best practice to provide 915mm or wider circulation space) must be provided in all areas where the guest who uses a wheelchair is expected to move, such as toilets, beds, and desk seating.		-	-			
		2.1	○		Manoeuvring space in front of closets: 1,500mm		-	-			
		6.6.2	○		Exiting paths and passageways should be at least 1,000mm wide, with best practice being 1,500mm.		-	-			
	Switches and controls	6.6.2	○		Should be within the range of 850mm - 1,200mm from the floor.		-	-			
		6.6.2	○		Electrical outlets and data connections are located at 450mm above the finished floor.		-	-			
		6.6.2		○	Wall switches for general light, and touch switches on bedside lamps, are recommended.		-	-			
	Materials	6.6.2	(○)		Carpeting needs to be low-pile, high density closed loop glued directly to the floor.		-	-			
		6.6.2	(○)		Thresholds should be totally avoided or flush. If unavoidable, they should not be higher than 25mm.		-	-			
	Window	2.1	○		Furniture arrangement should allow wheelchair users access to window/curtains, the operators of which must extend to at least 1,200mm above finished floor.		-	-			
		6.6.2									
	Telephone	6.6.2	○		Telephones should be located within easy reach of the bed.		-	-			
		6.6.2		○	A telephone in the bathroom with a 600mm cord is recommended as a safety measure.		-	-			
	Telephone or other communication device or alarm	6.6.2	○		Should be located within easy reach of the toilet; where handsets are used, a 1,500mm cord is required.		-	-			
	Showers/ tubs	6.6.2		○	People of different mobility or sensory capacity prefer bathtubs.		-	-			
		6.6.2	○		Should be equipped with an offset, single lever-mixing valve, and a hand-held shower held on a min. 1,500mm hose.		-	-			
		6.6.2	○		Accessible shower should be equipped with curtains, rather than doors.		-	-			
		6.6.2	○		Overall lighting should be maintained at a min. of 30lux. Lighting at the counter/ sink should be a min. of 70 lux.		-	-			
	For EVENT										
	Broadcasting	Access	2.2			Accessible commentary positions, and accessible access to all media services.		○			○
	Catering	Pathways, aisles and queuing areas	2.2			Accessible pathway requirements.		○			○
		Allocation of products	2.2			Allocation of products (beverages, desserts, etc) in a vertical (rather than horizontal) configuration.			○		-
Catering	Serving counters	2.2			Serving counters and cafeteria-style services incorporate lowered counter surface (850mm) with knee clearance (750mm).		○			○	
	Serving trays	2.2			Serving trays are provided			○		-	
	Condiment counters	2.2			Condiment counters are accessible (see section 3.5 Reach range, knee and toe clearance) with a maximum reach requirement of 600mm from front edge and clear space for food preparation.			○		-	
	Seating area:	2.2			Seating area: accessible seating options including tables that allow for knee clearance (850mm height, 750mm knee clearance), chairs provide kick space of one third of seat depth, mix of chairs with and without arms available.			○		-	
	High top / bar tables	2.2			Where high top / bar tables are being used, lowered section for wheelchair users is available.			○		-	

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Ceremonies / Stage Presentations	Sign language and/or text on the video boards	2.2			Concurrent translation in sign language and/or text on the video boards.			○		-
	Hearing augmentation system and live audio description services	2.2			Hearing augmentation system (provision of assistive hearing devices) and live audio description services for people with sensory limitations.		○	○		▲
	Programmes	2.2			Programmes available in alternative formats (large print, Braille).			○		-
	Wheelchair access to stage	2.2			Wheelchair access to stage (following accessible ramp criteria).			○		-
	Accessible podium	2.2			Accessible podium (preferable a variable height podium) and lapel mic.			○		-
Cleaning and Waste	Waste bins	2.2			Waste bins are visible to those with vision limitations, do not obstruct pathways (less than accessible standards), are detectable by people using sticks, are at a maximum height of 1,200mm, and require minimal hand dexterity to operate.		○		-	
Communication / Publications	Accessible services and operations	2.2			Accessible services and operations for the event and host community are communicated through information materials (brochures, online, etc.).			○		-
	Media services	2.2			Media services provide alternative formats of material and sign language interpretation of press conferences, upon request.			○		-
	Website	2.2			Website meets W3C accessibility provisions.			○		-
	Publications in alternative formats	2.2			Publications in alternative formats (large print, Braille, etc.).			○		-
Doping Control	Gender-neutral accessible washroom	2.2			Gender-neutral accessible washroom is available.		○			○
	Information materials	2.2			Information materials provided in alternative formats (large print, Braille, etc.).			○		-
Event Services	Access	2.2			Monitoring and maintaining accessible pathways for spectators.			○		-
	Spectator information materials	2.2			Spectator information materials made available in alternative formats (Braille, large print, etc.).			○		-
	Assistive hearing devices	2.2			Distribution of assistive hearing devices to spectators.			○		-
	Storage for wheelchair	2.2			Provision of wheelchair loan and storage services.		○			▲
	Elevator	2.2			Assisting with elevator access and use; facilitating priority loading for wheelchair users as required.		○	○		○
	Event services staff	2.2			Event services staff provided adequate training on service to customers with a disability.			○		-
Medal Ceremonies and Sport Presentation	Medal podium ramp	2.2			Medal podium ramped for athletes that are wheelchair users, at a maximum grade of 1:12 (8.33%) and up to 300mm height for first place.			○		-
	Announcers	2.2			Announcers trained in specific sport terminology and proper language for referring to Para athletes.			○		-
Medical Services	Medical areas	2.2			Medical areas comply with accessibility provisions.		○			○
	Repair services	2.2			Where competition includes specialised equipment (such as sport chairs), provide access to specialised repair services.			○		×
Merchandising / Retail Operations	Access	2.2			Pathways, aisles and queuing areas meet accessible pathway requirements.		○			○
	Allocation of products	2.2			Allocation of products in a vertical (rather than horizontal) configuration.			○		-
Merchandising / Retail Operations	Service counters	2.2			Service counters are accessible, incorporating a lowered counter surface (850mm) with knee clearance (750mm).			○		-
Overlays and Site Management	Assessment of accessibility	2.2			Complete thorough assessment of accessibility compliance needs for every venue; identify areas where temporary overlay is required for accessibility solutions.			○		-
	Accessibility features	2.2			Ensure proper installation and maintenance of accessibility features.		○	○		○
Press Operations	Access	2.2			Accessible access to all press facilities, including pathways, communication materials, seating, food services, and washrooms.		○	○		○
	Transportation and accommodation	2.2			Where transportation and accommodation are being provided to media, ensure accessible services are available upon request.			○		-
Security	Where security screening areas	2.2			Where security screening areas are applicable, ensure an operational gate (width of 1,000mm) without a magnetometer and a hand-wand device is available for security screening.		○	○		▲
	Security personnel	2.2			Security personnel require special training to ensure screening of persons with disabilities allows for dignity (for the customer) and efficiency (for security).			○		-
	Security Zoning	2.2			Ensure security perimeters do not impede accessible pathways and routes.			○		-
Signage and Wayfinding	Graphic elements	2.2			Graphic elements comply with accessibility standards (colour contrast, size of letters, position of signs).			○		-
	Wayfinding signage	2.2			Wayfinding signage complies with accessibility standards (use of international symbols, use of Braille and raised lettering, glare free, high contrast, Arabic numerals and sans serif lettering).			○		-
		2.2			Wayfinding signage to highlight accessible pathways and services.			○		-

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Sport	Scope to be applicabled	2.2			Where applicable, the competition requirements specific to adaptive / Paralympic sports are met.			○		-	
	Access	2.2			Accessible criteria, including all connecting pathways, are met for all athlete areas: locker rooms, warm-up areas, field of play, mixed zone, doping control, medal presentation, press conference, athletes lounge, seating areas.		○	○		○	
	Seating	2.2			Adequate accessible seating for athletes and team officials.		○	○		○	
	Sport	2.2			Sport publications available in alternative formats.			○			-
	Sport equipment	2.2			Specific sport equipment (such as hand ergometers) made available.			○			-
	Transportation and accommodation	2.2			Accessible transportation and accommodation provided to athletes as required.			○			-
Ticketing	Ticket guides	2.2			Ticket guides available in alternative formats (large print, Braille, audio, etc.).			○		-	
	Ticketing website	2.2			Ticketing website fulfils accessibility requirements (W3C), including an alternative to 'human test' image capture for visually impaired users.			○		-	
	Ticket box offices	2.2			Ticket box offices meet accessibility requirements for counter height and queuing.		○	○		▲	
	Seating options	2.2			Provide multiple seating options – accessible, companion and enhanced amenity seats – in a range of locations and ticket price categories.			○		-	
	Hearing augmentation system	2.2			Identify seats within the range of the hearing augmentation system.		○	○			▲
Transportation	Structure of bus	2.2			Ensure buses can meet the accessible seating capacity required, through low floor accessible buses (preferable), or those equipped with a wheelchair platform lift			○		-	
	Timeline	2.2			Define capacity and timetable for efficient service			○		-	
	Pool of Taxy/AccessibleV ehicles	2.2			A pool of accessible taxis and passenger vehicles / vans are available for hiring.		○			▲	
	Parking	2.2			Accessible parking spaces that meet the accessibility criteria (space size, signage, location, pathways, height of underground parking lots).		○			▲	
	Transportation load zones	2.2			Transportation load zones meet accessibility criteria (size, availability of kerb ramp).			○		-	
	Connecting pathways	2.2			Accessible connecting pathways available from transportation load zones to the venues.		○			○	
Venues	Main footpaths	2.2			All main footpaths and circulation areas are accessible (1,800mm width, with stairways, elevators and ramps following the accessibility criteria).		○			▲	
	Doors	2.2			Doors are at a minimum 850mm width.		○			▲	
	Seat	2.2			Best practice seating requirements:	*The number of wheelchair-accessible seats is based on the venue net capacity. *Companion seats are provided next to the accessible seating positions (with same ratio) * Enhanced amenity seating (greater width for people with guide dogs, crutches, walking frames, etc.) are provided at a minimum of 1% of gross capacity *All wheelchair accessible seating provides comparable sightlines and is available in a range of locations and ticket price categories	○	○		▲	
	Accessible gender-neutral washrooms	2.2			Accessible gender-neutral washrooms available that meet the accessibility criteria.		○			○	
	Service counters	2.2			All service counters, merchandising and food and beverage services meet the accessibility criteria.		○	○		○	
	Change-rooms	2.2			Change-rooms meet the accessibility criteria for showers and change spaces.		○			○	
	Emergency provisions:	2.2			Evacuation plans with an immediate pathway for wheelchair users to a secure assembly area		○				▲
		2.2			Visual emergency signals located in public areas		○				○
VIP Services	Service counter height and seating options	2.2			* VIP lounges meet accessibility criteria for service counter height and seating options (where high-top tables are used, lower seating options for wheelchair users are made available).			○		-	
	Accessible seating	2.2			Accessible seating provided for VIPs as required, provided in the same location as all other VIP seating.		○			○	
	Information materials	2.2			Information materials available in alternative formats (large print, Braille, etc.).			○		-	
Volunteers / Workforce	Recruitment	2.2			Recruitment that encourages applications from persons with disabilities.			○		-	
	Policies for work persons	2.2			* Policies that enable easier access to work for persons with higher support needs.			○		-	
	volunteer/staff areas	2.2			* Check in areas: accessible counter heights, seating			○		-	
		2.2			* Break/meeting areas: accessible counter heights, seating, food services			○		-	
	Staff training	2.2			* Staff toilets: including gender-neutral accessible washroom		○			○	
		2.2			Disability/accessibility awareness training for all staff and volunteers.			○		-	

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