

Paper for LegCo Panel on Home Affairs

Sports Venues for 2006

Asian Games

INTRODUCTION

Before confirming its support for the initiative by the Sports Federation & Olympic of Hong Kong, China (SF&OC) to express an interest in bidding for the right to host the 2006 Asian Games, the SAR Government reviewed the suitability of our sports venues to host the events of the Games. To assist in this review, we engaged the services of the sports venue planning and design company Bligh Voller Nield Sport Pty Ltd (BVN) [百和紐特]. BVN's recent experience includes helping to plan and design venues for the 2000 Olympic Games and evaluating the venues used in Bangkok for the 1998 Asian Games.

STUDY PROCESS

2. The BVN brief was to assess whether or not the SAR has sufficient sports venues to host a world-class Asian Games in 2006, and one which could be the "best ever Asian Games". BVN began work on 3 November with a programme of site visits and consolidation of information

available from their own data sources. Prior to beginning detailed site inspections and evaluations, BVN examined the report on venue availability prepared by the Provisional Urban Council (PUC) in September 1999. A copy of the report prepared by BVN is at the Annex.

Planning Principles

3. In the course of their study the BVN team took account of the typical requirements of venues for major event planning. These differ from the requirements of community sports facilities, and include the following –

- (a) the need for spectator, media and competition facilities – even many world-class facilities require some enhancement in this regard when staging major events;
- (b) the requirement for temporary works to be put in place, such as good-quality temporary seating – it is worth noting in this regard that Sydney will use 250,000 temporary seats for the 2000 Olympics; and
- (c) the desirability of arranging venues in clusters so as to create distinctive “sports precincts” during the Games – this helps in transport, communications, crowd management and logistics, as well as sustaining a good overall atmosphere.

Use of Existing Facilities

4. The conclusion reached by BVN in their report was that –

“Hong Kong is able, using existing venues and temporary works, to put forward a strong bid with a good chance of success that can lead to the hosting of ‘the Best Asian Games ever’.”

5. The consultant based his conclusion on the facts that –
 - (a) the SAR already has a number of world-class sports venues;

 - (b) the SAR has outdoor venues suitable for upgrading to Asian Games requirements; and

 - (c) for indoor sports, extensive use could be made of the facilities at the Hong Kong Convention and Exhibition Centre, as well as existing indoor sports venues.

The proposed venues for the events of the Games, with their seating capacity after upgrading, are at Chapter 2 of the BVN report.

6. With regard to paragraph 5.(c) above, BVN advised that it is normal for indoor events of major Games to use large multi-purpose halls to accommodate the field of play and substantial spectator seating. Exhibition and convention centres are widely used (as in the 1996 Olympic Games in Atlanta and for the 2000 Olympics in Sydney), as they have capacity for dealing with large crowds and good transport links and supporting facilities.

New Facilities

7. BVN's advice is that: "The pattern of Asian Games in the past indicates that the development of some new venues is 'desirable' rather than 'essential' for Hong Kong's bid for the Asian Games". We have already made it clear in supporting the SF&OC's initiative that we would not build major new venues solely for the purpose of hosting the Asian Games. The development of new sports facilities must be on the basis that there is a clear and identifiable requirement for such facilities to serve the community's long-term needs.

8. Although we would not build new venues solely for the Games, we shall continue to develop new sports facilities in the years leading to 2006, in order to meet community needs. Where appropriate, in designing and building these facilities we would have regard to their potential capacity to serve as Asian Games venues, thereby enhancing the range of facilities available for the Games. Examples of new projects currently under planning

or consideration include –

- an indoor recreation centre at Ma On Shan with potential capacity for 4,000 seats
- a baseball and softball ground at Sai Tso Wan, Kwun Tong
- a water sports centre on the Shing Mun River at Sha Tin with potential capacity for 5,000 spectators

NEXT STEPS

9. In putting together the final bid document for the hosting of the 2006 Asian Games, we will develop further the venue strategy outlined by BVN. We shall also keep members informed on this strategy as appropriate.

Home Affairs Bureau

27 November, 1999

HONG KONG ASIAN GAMES 2006

PRELIMINARY VENUE APPRAISAL

For

Hong Kong S.A.R.
Government Secretariat
Home Affairs Bureau

November 1999

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1. Study Findings

1.1 Study purpose and objectives

The purpose of this study is to verify the venue requirements for bidding for and staging the Asian Games in 2006, prior to a possible formal expression of interest by Hong Kong to be lodged in late November 1999.

This report was prepared by Bligh Voller Nield Sport Pty Ltd, Sports Architects and Event Planners involved in the Sydney 2000 Olympic Games, for the Hong Kong S.A.R. Government Secretariat, Home Affairs Bureau.

The study was conducted over approximately 10 days from 3 November 1999, and involved the review of briefing papers, review of an existing report by the Provisional Urban Council, inspection of some candidate venues, and consultation with the Home Affairs Bureau. The information and assistance provided by all parties was extraordinarily prompt and helpful, and contributed greatly to the work of the consultants.

Our briefing for the study included the instructions that Hong Kong wanted to stage a bid that would have a very high chance of success, and would allow the staging of the 'best Asian Games ever', utilising existing venues as far as possible.

The targets for Hong Kong to achieve these objectives include:

- **Defeating rival bids.**
- **Meeting and exceeding the expectations of the Olympic Council of Asia**
- Meeting and exceeding the expectations of the people of Hong Kong and the international community by offering and delivering a first class Asian Games

Within this context, we have been aware that the Asian Games requires a moderate scale of provision (and cost) well below top tier Games such as the Olympic Games, and that existing resources are to be utilised as far as possible. All measures proposed in this study are aimed at providing the optimal level of cost effectiveness

in achieving the required level of provision.

Major Games are by their very nature intensely revealing about their hosts - they are therefore events of great interest across all facets of society, not merely within sporting circles. In our findings, we attempt to highlight some of the broader issues which are inextricably linked with the purely technical analysis of Hong Kong's venue capability in relation to achieving the objectives stated.

1.2 What conclusion was reached ?

Our conclusion is that Hong Kong is able, using existing venues and temporary works, to put forward a strong bid with a good chance of success that can lead to the hosting of 'the Best Asian Games ever' .

These matters are necessarily subjective, as the process of selecting host cities involves both technical and subjective appraisals by the governing bodies, and every bidding city is viewed against the relative merits of other competing cities, and what has happened before.

Specific areas of consideration regarding a bid arising from this venue strategy include:

Hong Kong's venues are mainly 'community' facilities rather than 'spectator' facilities. A large amount of temporary works will need to be put in place to achieve the technical requirements. This can be done to an acceptable standard and at reasonable cost, but may be a concern in competing with cities which have more permanent spectator facilities.

Main Stadium - Other cities may offer a 'centerpiece' stadium suitable for ceremonies, athletics and football. Hong Kong does not have an existing single venue suitable for all these functions, although the strategy in this report of separate ceremonies and athletics venues has been used in other Asian Games.

Aquatic Centre - Other cities may offer new Aquatic facilities with large seating capacities. Hong Kong requires significant temporary works to the best available facility, to create an adequate venue.

Cycling, Hockey, Baseball/Softball - appropriate venues do not exist, although temporary venues can be established.

Yachting - appropriate shore-base facilities do not exist, but can be created temporarily.

Equestrian - this proposal relies on the adaptation of existing facilities.

1.3 What reasoning is behind the conclusion ?

Our conclusion is based on the venue strategy outlined in this report. This strategy differs from the PUC report, by taking into account the typical requirements of major event planning, which extend beyond the requirements of community sports facilities. Key planning principles include:

- Major events require facilities for spectators, media and competition which generally do not exist in community sports venues, and even most world-class spectator venues require some enhancement.
- Almost all venues require some temporary works to be put in place for a major games - this temporary work is referred to as 'overlay' and may be a substantial cost, depending on the state of existing venues. Good quality temporary seating and structures are available on the international hire market and will present excellent solutions to many of Hong Kong's requirements. We have given some preliminary indications of overlay costs for the venues in this report.
- It is normal with indoor events for cities to utilise large existing multi-purpose halls to accommodate the field of play and substantial temporary seating. This is best done in facilities which have good capacity for dealing with large crowds, and good existing transport links and infrastructure - exhibition and convention centres are widely used (eg Atlanta, Sydney), although the hiring costs and 'down-time' of these facilities can be substantial.
- Asian Games indoor sports with small field-of-play and temporary seating can also be located in some community halls designed for large field-of-play, provided those halls have good access and some external space around them.
- We propose extensive use of the Hong Kong Convention and Exhibition Centre, and selected other community facilities. If only partial use of the centre is decided upon, we feel there are adequate alternative venues available.
- For outdoor events, it is normal to use or build major venues designed for spectator sports, or to find existing community venues which have space to accommodate substantial temporary seating and other temporary accommodation. In Hong Kong,

spectator facilities of any substantial nature are relatively undeveloped due to historically low levels of popular support in spectator sports. We have suggested outdoor venues suitable for upgrading with temporary overlay to Asian Games requirements.

- It is desirable to arrange venues in 'Clusters' to create precincts. This provides advantages in crowd management and transportation, communications, creating atmosphere, and logistics support. We have suggested five Primary Competition Precincts - Hong Kong Island, Kowloon, Sha Tin, Shing Mun Valley, and Ma On Shan.

The report indicates a summary of the cost indications for this venue approach. It must be pointed out that these do not represent the full costs of staging the games, and do not cover all venue costs such as rental fees, operational and staffing costs etc. Further study is required to define the total games preliminary budget.

1.4 What does it take to win the Games?

The process of bidding for and winning such Games varies from event to event and from time to time, and will remain unpredictable to some extent. Venue considerations represent only part of the equation in bidding for a major Games.

Other important factors include

- the standard of existing transportation and infrastructure (excellent in Hong Kong)
- the ability to host tens of thousands of visiting participants and spectators (again, very good in Hong Kong)
- the ability to provide a village for athletes and officials (whilst beyond the scope of this report, we are advised this can be resolved - this is important, as many bidding cities fail over the village issue)
- the level of government and popular support (yet to be defined). The adjudicating body (Olympic Council of Asia OCA) will most likely be looking for substantial government commitment before any bid is given serious consideration.
- the likely attendance levels for the Games
- the ability of the host city to promote the Games movement, attract broadcasters, meet the needs of sponsors and VIPs, and deliver other benefits to the OCA
- the tactical acumen, negotiating skills and resources of the bid organisation (again, as yet undefined).

To put the venue issue into context, we will look briefly at a comparison of strengths and weaknesses between Hong Kong and other cities across this broader range of facilities and issues:

- Airports - new facilities, and Hong Kong is a major hub compared to KL
- Roads - a good road system, with on-going development
- Rail/mass transit - Hong Kong has a good existing system, and 3 new lines will be built before 2006. Rail is the best means for

moving crowds, and the venue precincts proposed all have easy walking distances to mass transit

- Hotels - Hong Kong has many quality hotels, in close proximity to the venues
- Village proposals - it is expected that good solutions can be found in Hong Kong, which benefits from the ability of government to construct large public housing projects
- Environmental issues - a major 5 year environmental strategy is planned for Hong Kong
- Political stability - assured under Hong Kong Basic Law
- Business environment - the potential for private sector investment is substantial in Hong Kong due to the open economy, extent of existing business activity and penetration of Global enterprises.
- Tourism - Hong Kong is the most visited city in Asia, with Disneyland yet to open in 2005, and offers direct access to regional catchment populations on the mainland.
- Ethnic Diversity - large expatriate populations from all Asian nations are based in Hong Kong - these communities provide a multi-national base for spectator support, visits by relatives, language skills base for Games visitors etc
- Attendance - within three hours flying of Hong Kong live 20% of the world's population with well established transport connections. With appropriate promotion, the event can expect very healthy attendances.
- Whose turn is it? - Hong Kong has never had a major games. These Games will promote the development of a sports culture like nothing else, and are important in asserting a mature cultural autonomy - it can be argued that the significance of these games will be great in Hong Kong, and that it is Hong Kong's turn.

We recommend further consideration be given to both the broader infrastructure issues and also the special tactics of bidding for a Games, as key factors to Hong Kong mounting a successful bid.

Hong Kong has a proven ability to conceive and deliver projects and

events of enormous scale and high quality - there appears to be no technical reason why these skills could not be called on to secure and deliver the Asian Games 2006 in view of the relatively modest requirements identified in this report, if the appropriate level of both public and private support were available.

1.5 Will Existing Venues Achieve Hong Kong's Objectives ?

This study indicates that Hong Kong can make a strong bid for the Asian Games with mostly existing facilities, with utilisation of significant overlay. From a technical stand-point, the facility strategy outlined in this report has a very good chance of doing its part to create the 'best Asian Games ever'.

Preliminary indications of cost for this approach have been established at HK\$197m for temporary overlay works, and HK\$179m for technology and sports equipment. These costs are based on the overall presumption that where possible the existing buildings will be utilised with the least amount of additional building work as possible. Furthermore, it is assumed that existing fittings and equipment will be utilised for the period of the Games where possible. They do not represent the whole cost of the Games.

There is significantly more required to achieve this objective than a good suite of venues, as we have indicated in this report, and appropriate efforts must be made across the board if the bid and Games are to be a success. In conclusion, we return to the targets for Hong Kong to achieve its objectives:

- Defeating rival bids, in particular from Kuala Lumpur

To defeat rival bids, Hong Kong will have to emphasise its strengths in all areas, as we believe that the venue proposal will be viewed as part of the equation only.

- Meeting and exceeding the expectations of the Olympic Council of Asia

The pattern of Asian Games in the past indicates that the development of some new venues are 'desirable' although not 'essential' for Hong Kong's bid for the Asian Games. Most cities that have successfully bid for major Games have included development of significant new venues in their proposals.

- **Meeting and exceeding the expectations of the people of Hong Kong and the international community by offering and delivering a first class Games**

It is reasonable to say that Hong Kong is a special city in the region and globally, and that different standards are applied to cities depending on their status. What will be perceived as acceptable for other cities in the region may not be acceptable for Hong Kong. It is possible that Hong Kong's bid and Games will be judged in popular circles by criteria more demanding than would be applied to other cities that might host the Asian Games.

It can be argued that concerns in achieving the three targets above would be enhanced by the development of a small number of new venues to world standards, as has been the pattern with most major Games of the modern era, although this is not essential.

In view of venue provision for previous Asian Games, and in view of the other considerable strengths that Hong Kong offers, we believe that with the upgrading of existing facilities as described in this report, Hong Kong with appropriate commitment would be very much able to successfully bid for and host the 'best Asian Games ever'. The venues would be viewed as competent, and in line with Asian Games requirements.

As stated previously, our conclusion is that Hong Kong is able, using existing venues and temporary works, to put forward a strong bid with a good chance of success that can lead to the hosting of 'the Best Asian Games ever'.

2. Venue Strategy Proposal

2.1 Description of Venue Strategy

The proposed strategy puts venues together into clusters where ever practical into a small number of 'Primary Competition Precincts'. The remaining venues are typically individual stand-alone 'Outlying Venues' due to their size or need for special or remote locations. The rationale for this approach is given in earlier sections of the report. Five Primary Competition Precincts have been proposed and are listed below.

Competition Precinct 1 - Hong Kong Island

Hong Kong Convention and Exhibition Centre	Badminton Billiards Fencing Gymnastics Judo Table Tennis Tae Kwon Do Weightlifting Wrestling
Victoria Park	Tennis Beach Volleyball
Hong Kong Stadium	Opening and Closing Ceremonies Rugby Football
Queen Elizabeth Stadium	Boxing Karatedo
South China Athletic Association	Ten Pin Bowling

Competition Precinct 2 - Kowloon

Kowloon Park	Water Polo Canoe Polo Sepak Takraw
Mong Kok	Archery Football
Hong Kong Coliseum	Basketball Volleyball

Competition Precinct 3 - Sha Tin

Sha Tin Sports Institute	Hockey Baseball
Shing Mun River	Canoeing Rowing
Sha Tin Sports Ground	Softball

Competition Precinct 4 - Shing Mun Valley

Shing Mun Valley Swimming Hall	Diving
Shing Mun Valley Sports Ground	Rugby
Wai Tsuen Indoor Games Hall	Basketball

Wushu

Competition Precinct 5 - Ma On Shan

Ma On Shan Stadium

Athletics

Ma On Shan Swimming Centre

Swimming

Ma On Shan Indoor Recreation Hall

Handball

Others venues are provided as outlying venues, and are described in the following section.

2.2 Listing of venue proposals by Sport

The sports are listed alphabetically below, with notes on the venue proposed for each:-

Archery

Venue: Tai Hang Tung Recreation Ground (Kowloon)
Capacity: 2,000 (All temporary)
Competition Days: 5

Facility Improvements/Requirements:

- No current facility. All temporary
- Civil Works for main competition area, including hide construction and in ground services
- Temporary walling/screening at back of competition area
- Temporary scoreboards
- Temporary seating for 2,000 required
- Temporary spectator amenities
- Media centre, BOH spaces to be accommodated in existing Police Headquarters facility

Comments: This was the nominated venue/location. A drawback is noise, as it is in an urban area and may annoy the competitors. Sha Tin would be an alternative site.

Athletics

Venue: Ma On Shan Stadium
Capacity: 3,000 (Permanent)
27,000 (Temporary)
Competition Days: 12

Facility Improvements/Requirements:

- Recently completed facility. Add temporary seating/spectator amenities
- Upgrade Sports Lighting
- Temporary Scoreboards
- Additional temporary BOH facilities
- New Warm Up track to be constructed adjacent with Sports Lighting.

Comments: The best option of existing venues, though not competitive with a major stadium like KL. Access reasonable with respect to public transport. Brand new facility. Plenty of space for temporary seating, warm up track and additional Back-of-house (BOH) facilities.

Baseball

Venue: Sha Tin Sports Institute
Capacity: 5,000 (Temporary)
Competition Days: 9

Facility Improvements/Requirements:

- Reconfiguration of existing football pitches to Baseball configuration
- Temporary Sports Lighting (if night-time venue)
- Temporary Scoreboards
- Temporary screening/ fencing
- Additional temporary BOH facilities

Comments: Utilise existing facilities in Sports Institute, i.e. change rooms, comp. management etc.

Badminton

Venue: Hong Kong Convention and Exhibition Centre
Halls 2A and 2B
Capacity: 4,000 (Temporary)
Competition Days: 10

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards etc
- Temporary Partitions to Warm Up/BOH areas (could be curtain)
- BOH Facilities (change rooms, comp management offices etc.)
- Some additional spectator amenities
- FOP surface
- Airlocks to all FOP entry points

Comments: Utilise existing spaces for media facilities and other BOH facilities.

Basketball

Venue (Preliminaries): Wai Tsuen Indoor Games Hall
Capacity: 5,000
Competition Days: 8

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards etc.
- Additional spectator amenities

Venue (Finals): Hong Kong Coliseum
Capacity: 12,000 (Permanent)
Competition Days: 4

Billiards/Snooker

Venue: Hong Kong Convention and Exhibition Centre
Grand Hall
Capacity: 3,000
Competition Days: 14

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting /Scoreboards etc.
- Additional spectator amenities
- Temporary Warm Up area, athlete facilities (waistcoat storage)

Bowling

Venue: South China Athletic Association
Capacity: 100
Competition Days: 6

Facility Improvements/Requirements:

Comments: Did not visit, we have been advised it will be suitable.

Boxing

Venue: Queen Elizabeth Stadium (shared with Wushu)
Capacity: 3,000
Competition Days: 10

Facility Improvements/Requirements:

- Field of Play/ Boxing Ring
- Temporary Scoreboard
- Additional spectator amenities
- Media Centre etc. in existing BOH area

Canoeing

Venue: Shing Mun River Water Sports Centre

Capacity: 5,000

Competition Days: 4

Facility Improvements/Requirements:

- Temporary Spectator Seating
- Start Tower/Finish Tower/ Timing Huts
- Boat Storage/Pontoons
- Athlete/Media BOH Areas
- Lane Buoy System
- Banks require wave dissipation treatment
- Wind effects to be investigated

Canoe Polo

Venue: Kowloon Park Swimming Pool

Capacity: 2,500

Competition Days: -

Facility Improvements/Requirements:

- Temporary Spectator Seating over Diving Pool
- Boat Storage, Warm Up Pool (Possibly utilise existing pools)

Cycling

Venue: Hammer Hill Stadium
Capacity: 2,000 (Permanent)
2,000 (Temporary)
Competition Days: 10

Facility Improvements/Requirements:

- Additional Temporary Seating
- Temporary Cycling Track
- Training/warm-up tracks
- Temporary Scoreboards/ Sports Lighting
- Additional Spectator Amenities

Diving

Venue: Shing Mun Valley Swimming Complex
Capacity: 500 (Permanent)
2000 (Temporary)
Competition Days: 5

Facility Improvements/Requirements:

- Temporary Seating on Swimming Pool
- Spectator amenities

Equestrian

Venue: Beas river Riding Centre
Capacity: -
Competition Days: 9

- Did not visit, for the purposes of this study it is expected the required facilities will be provided by the HKJC
- Study will be required to verify that space is available for cross-country tracks

Fencing

Venue: Hong Kong Convention and Exhibition Centre
Halls 1B and 1C
Capacity: 3,000 (Temporary)
Competition Days: 10

Facility Improvements/Requirements:

- Temporary Seating
- Field of Play/Pistes etc.
- Temporary Sports Lighting/Scoreboard
- Additional spectator amenities
- Temporary BOH Warm Up/Athletes/Comp Management spaces
- Temporary Curtain partitions.

Football

Venue (Preliminaries): Mong Kok Stadium
Capacity: 9,000 (Permanent)
6,000 (Temporary, if space permits)
Competition Days: 20

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Scoreboard
- Additional spectator amenities

- Temporary BOH Warm Up/Athletes/Comp Management/ Media spaces

Venue (Preliminaries): Siu Sai Wan Sports Ground

Capacity: 12,000 (Permanent)

Competition Days: 20

Facility Improvements/Requirements:

- Temporary Scoreboard
- Additional spectator amenities
- Temporary BOH Warm Up/Athletes/Comp Management/ Media spaces

Venue (Preliminaries and Finals): Hong Kong Stadium

Capacity: 40,000

Competition Days: 6

Gymnastics (Artistic, Rhythmic and Trampolining)

Venue: Hong Kong Convention and Exhibition Centre
Halls 3A, 3B, 3C

Capacity: 7,000

Competition Days: 16

Facility Improvements/Requirements:

- Temporary Seating
- Field of Play/ Sports Flooring etc.
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH Warm Up/Athletes/Comp Management spaces
- Temporary Curtain partitions.

Handball

Venue: Ma On Shan Indoor Recreation Centre
Capacity: 4,000
Competition Days: 12

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH Warm Up/Athletes/Comp Management spaces
- Temporary Curtain partitions to Warm Up.

Comments: This facility is at planning stage and is expected to be completed within 3-4 years.

Hockey

Venue: Sha Tin Sports Institute
Capacity: 7,000
Competition Days: 13

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards (if nighttime venue)
- Additional spectator amenities
- Temporary BOH Warm Up/Athletes/Comp Management spaces (utilise existing building)
- New FOP/ Synthetic Pitch
- New Warm Up pitch adjacent

Comments: No suitable hockey venue in Hong Kong, could possibly develop new facility as legacy '.

Judo

Venue: Hong Kong Convention and Exhibition Centre
Halls 5A and 5B

Capacity: 3,000

Competition Days: 7

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH/ Warm Up/Athletes/Comp Management spaces
- Field Of Play/Podiums
- Partition Walls/Curtains

Comments: Shared Venue with Wrestling

Karatedo

Venue: Queen Elizabeth Stadium

Capacity: 3,000

Competition Days: 3

Facility Improvements/Requirements:

- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Field Of Play/Podiums

Comments: Shared Venue with Boxing

Lawn Bowls

Venue: Kowloon Cricket Club

Capacity:

Competition Days: 7

Comments: Did not visit, existing venue described as adequate.

Rowing

Venue: Shing Mun River Water Sports Centre

Capacity: 5,000

Competition Days: 4

Facility Improvements/Requirements:

- Temporary Spectator Seating
- Start Tower/Finish Tower/ Timing huts
- Boat Storage/Pontoons
- Athlete/Media BOH Areas
- Lane Buoy System

Comments: Feasibility study for permanent facility is underway, expected to report in early 2000 - shared venue with canoeing.

Rugby

Venue (Preliminaries): Shing Mun Valley Stadium

Capacity: 5,000

Competition Days: 5

Facility Improvements/Requirements:

- Temporary turfing to corners of Athletics track
- Upgrade Sports Lighting

Venue (Preliminaries): Aberdeen Sports Ground

Capacity: 5,000

Competition Days: 5

Facility Improvements/Requirements:

- Temporary turfing to corners of Athletics track
- Upgrade Sports Lighting
- Temporary BOH/Media Facilities

Venue (Finals): Hong Kong Stadium

Capacity: 40,000

Competition Days: 5

Sepak Takraw

Venue: Kowloon Park Indoor Games Hall

Capacity: 3,000

Competition Days: 13

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH/ Warm Up/Athletes/Comp Management spaces

Shooting

Venue: Castle Peak Shooting Range

Capacity: -

Competition Days: 7

Comments: Did not visit, intended new venue, assume OK

Softball

Venue: Sha Tin Sports Ground

Capacity: 3,000 (Permanent)

2,000 (Temporary)

Competition Days: 9

Facility Improvements/Requirements:

- Reconfiguration of existing pitch/track to Softball Diamond
- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH/ Warm Up/Athletes/Comp Management spaces

Soft Tennis

Venue: Hong Kong Tennis Centre

Capacity: -

Competition Days: 5

Comments: Did not visit, assume adequate

Squash

Venue: Hong Kong Squash Centre

Capacity: 2,000 (Temporary)

Competition Days: 5

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities

Swimming

Venue: Ma On Shan Swimming Centre (outdoor venue)

Capacity: 2,000 (Permanent)

5,000 (Temporary)

Competition Days: 13

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities

Synchronized Swimming

Venue: Ma On Shan Swimming Centre

Capacity: 2,000 (Permanent)

5,000 (Temporary)

Competition Days: 13

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities

Table Tennis

Venue: Hong Kong Convention and Exhibition Centre
Halls 1A and 1B

Capacity: 4,000

Competition Days: 12

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH/ Warm Up/Athletes/Comp Management spaces
- Field Of Play/Sports Flooring
- Partition Walls/Curtains

Tae Kwon Do

Venue: Hong Kong Convention and Exhibition Centre
Halls 7A and 7B
Capacity: 3,000
Competition Days: 7

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH/ Warm Up/Athletes/Comp Management spaces
- Field Of Play/Sports Flooring
- Partition Walls/Curtains

Tennis

Venue: Victoria Park Tennis Centre
Capacity: 3,000
Competition Days: 11

Facility Improvements/Requirements:

- Temporary Seating to Match Courts
- Temporary Scoreboards
- Spectator Amenities

Volleyball

Venue: Hong Kong Coliseum
Capacity: 10,000
Competition Days: 12

Facility Improvements/Requirements:

- Temporary Scoreboards
- Additional spectator amenities
- Field Of Play/Sports Flooring
- 2 x warm-up courts needed (temporary structure on podium)

Beach Volleyball

Venue: Victoria Park
Capacity: 5,000 (Temporary)
Competition Days: 12

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Scoreboards
- Spectator amenities
- Field Of Play

Water Polo

Venue: Kowloon Park (swimming pool)
Capacity: 1700 (Permanent)
500-1000 (Temporary)
Competition Days:

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Scoreboards

- Spectator amenities
- Field Of Play

Comments: shared with canoe polo.

Weightlifting

Venue: Hong Kong Convention and Exhibition Centre
Convention Hall
Capacity: 2,000 (Temporary)
Competition Days: 8

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Scoreboards /Sports Lighting
- Additional Spectator Amenities
- Field Of Play/Podiums/Sports Flooring

Wrestling

Venue: Hong Kong Convention and Exhibition Centre
Halls 5A and 5B
Capacity: 3,000 (temporary)
Competition Days: 7

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Additional spectator amenities
- Temporary BOH/ Warm Up/Athletes/Comp Management spaces
- Field Of Play/Podiums

- Partition Walls/Curtains

Comments: Shared Venue with Judo

Wushu

Venue: Wai Tsuen Indoor Games Hall

Capacity: 4,000 (Incl Temporary)

Competition Days: 4

Facility Improvements/Requirements:

- Temporary Seating
- Temporary Sports Lighting/Scoreboards
- Spectator amenities
- Field Of Play/Podiums etc.

Yachting

Venue: Port Shelter/Little Palm Beach

Attractive alternative is Clearwater Bay Golf and Country Club Marina

Capacity: -

Competition Days: 7

Facility Improvements/Requirements:

- Temporary structures to house officials
- Possible additional pontoons/launching sites
- Area for shipping containers(storage) and open space for manoeuvring

Wind Surfing

Venue: Port Shelter/Little Palm Beach
Attractive alternative is Clearwater Bay Golf and Country Club Marina

Capacity: -

Competition Days: 7

Facility Improvements/Requirements:

- Temporary structures to house officials

Comment: Shared with yachting, if this sport is included.

Opening/Closing Ceremonies

Venue: Hong Kong Stadium

Capacity: 40,000

Competition Days: 2

Facility Improvements/Requirements:

- Turf protection for playing surface
- Turf possibly needs replacing after opening
- Circulation and holding areas for athletes and performers to be investigated

2.3 Cost indications of proposals - Overlay Project Summary

The following tables provide indications of cost for Venue related overlay costs.

It must be pointed out that these do not represent the full costs of staging the games, and do not cover all venue costs such as rental fees, operational and staffing costs etc. Further study is required to define the total games preliminary budget.

These estimates have been prepared by Rider Hunt, cost planners with significant Olympic Games experience, with adjustments made for the smaller scale of the Asian Games.

This listing of sports is not final, and some venue questions remain to be resolved - this table is to assess the capacity of venues proposed against the provision at the Bangkok Asian Games 1998 (where known).

	Sport	Proposed Venue for Hong Kong 2006	Cost of 'Overlay' HKD '000	Cost of technology and sports equipment HKD '000
1	Archery	Tai Hang Tung Recreation Ground	5,287	1,612
2	Athletics	Ma On Shan Stadium	23,547	31,712
3	Baseball	Sha Tin Sports Institute	6,252	1,060
4	Badminton	HK Convention and Exhibition Centre	3,837	3,944
5	Basketball	Wai Tsuen Indoor Games Hall	7,839	4,992
6	Bch Volleyball	Victoria Park	4,979	1,758

7	Billiards/ Snkr	HK Convention and Exhibition Centre	3,142	1,121
8	Bowling-10 pin	South China Athletic Association	750	1,682
9	Boxing	Queen Elizabeth Stadium	3,865	4,760
10	Canoeing	Shing Mun River Water Sports Centre	6,202	3,986
11	Canoe Polo	Kowloon Park Swimming Pool	3,128	1,682
12	Cycling	Hammer Hill Stadium	4,100	4,600
13	Diving	Shing Mun Valley Swimming Complex	3,132	1,225
14	Equestrian	Beas River Riding Centre	4,850	2,806
15	Fencing	HK Convention and Exhibition Centre	4,184	4,384
16	Football	Mong Kok/ Siu Sai Wan/ HK Stadia	7,691	4,803
17	Gymnastics	HK Convention and Exhibition Centre	9,689	13,674
18	Handball	Ma On Shan Indoor Recreation Centre	9,954	3,980
19	Hockey	Sha Tin Sports Institute	12,841	4,087
20	Judo	HK Convention and Exhibition Centre	4,558	1,348
21	Karatedo	Queen Elizabeth Stadium	(shared)	1,794
22	Lawn Bowls	Kowloon Cricket Club	775	2,242
23	Open/ Closing	Hong Kong Stadium	350	336
24	Rowing	Shing Mun River Water Sports Centre	(shared)	3,986

25	Rugby	Shing Mun Vly/ Aberdeen/HK Stadia	7,452	4,803
26	Sepak Takraw	Kowloon Park Indoor Games Hall	4,062	2,691
27	Shooting	Castle Peak Shooting Range	2,700	381
28	Softball	Sha Tin Sports Ground	3,071	2,792
29	Soft Tennis	Hong Kong Tennis Centre	775	3,364
30	Squash	Hong Kong Squash Centre	2,505	2,242
31	Swimming	Ma On Shan Swimming Centre	5,607	6,708
32	Sync Swim	Ma On Shan Swimming Centre	(shared)	1,229
33	Table Tennis	HK Convention and Exhibition Centre	1,964	4,154
34	Tae Kwon Do	HK Convention and Exhibition Centre	3,992	1,348
35	Tennis	Victoria Park Tennis Centre	6,175	8,645
36	Volleyball	Hong Kong Coliseum	(shared)	5,231
37	Waterpolo	Kowloon Park Swimming Pool	(shared)	5,628
38	Weight- lifting	HK Convention and Exhibition Centre	4,133	4,331
39	Wrestling	HK Convention and Exhibition Centre	(shared)	8,028
40	Wushu	Wai Tsuen Indoor Games Hall	3,671	4,036
41	Yachting	Clearwater Bay	1,725	6,184
		Totals (rounded)	196,660	179,370