

AVA Register for Government Project Project Description

Return From Housing Department

Return For 4th Quarter of 2017

1. Project Name (in English & Chinese)	Public Housing Development at Fo Tan 火炭公營房屋發展計劃										
2. Project Reference	AVR/G/115										
3. Outline of Project Details <i>(attach location plan)</i> <i>Please include key development parameters e.g. site area, total GFA, building height, lot frontage for waterfront sites etc. relevant to the project and the relevant criteria for AVA set out in para. 4.</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Site Area (ha.)</td> <td style="text-align: center; padding: 2px;">3.89 (about)</td> </tr> <tr> <td style="padding: 2px;">Total GFA (m²)</td> <td style="text-align: center; padding: 2px;">237,290 (about)</td> </tr> <tr> <td style="padding: 2px;">Total Plot Ratio</td> <td style="text-align: center; padding: 2px;">6.1</td> </tr> <tr> <td style="padding: 2px;">No. of Building Block</td> <td style="text-align: center; padding: 2px;">5</td> </tr> <tr> <td style="padding: 2px;">Building Height (mPD) (Max.)</td> <td style="text-align: center; padding: 2px;">165</td> </tr> </table> <p style="margin-top: 10px;">The project is to carry out Air Ventilation Assessment for the Public Housing Development at Fo Tan (Area 16 & 58D), Sha Tin to assess air ventilation performance of the building design and its impacts on the surrounding pedestrian accessible locations.</p>	Site Area (ha.)	3.89 (about)	Total GFA (m ²)	237,290 (about)	Total Plot Ratio	6.1	No. of Building Block	5	Building Height (mPD) (Max.)	165
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Total Plot Ratio	6.1										
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4. Select the following category(ries) which would be applicable to the major government project :

(Please tick ALL relevant categories)

- Planning studies for new development areas.
- Comprehensive land use restructuring schemes, including schemes that involve agglomeration of sites together with closure and building over of existing streets.
- Area-wide plot ratio and height control reviews.
- Developments on sites over 2 hectares and with an overall plot ratio of 5 or above.
- Development proposals with total Gross Floor Area exceeding 100,000 square metres.
- Developments with podium coverage extending over one hectare.
- Developments above public transport terminus.
- Buildings with height exceeding 15 metres within a public open space or breezeway designated on layout plans / outline development plans / outline zoning plans or proposed by planning studies.
- Developments on waterfront sites with lot frontage exceeding 100 metres in length.
- Extensive elevated structures of at least 3.5 metres wide, which abut or partially cover a pedestrian corridor along the entire length of a street block that has / allows development at plot ratio 5 or above on both sides; or which covers 30% of a public open space.
- Others, please specify

5. Relevant factors which have been taken into account in assessing the need for AVA			
<i>Factors</i>	<i>Y</i>	<i>N</i>	<i>Brief remarks</i>
Are there existing / planned outdoor sensitive receivers located in the vicinity of the project site falling within the assessment area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There is an outdoor garden located in the vicinity of the project falling within the assessment area.
Are there known or reasonable assumptions of the development parameters available at the time to conduct the AVA?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The development parameters for Design Scheme A were based on the AVA-Expert Evaluation Study dated September 2012. Design Scheme B were based on Design Scheme A with further design refinement.
Are alternative designs or alternative locations feasible if the AVA to be conducted reveals major problem areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The development maintains a proper wind environment within the development where the wind environment is maintained to a level comparable to the existing condition.
Are there other overriding factors that would prevail over air ventilation considerations in the determination of the project design?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Air ventilation was an important consideration in determining the project design together with other site considerations such as visual, traffic noise, air quality impact and to maximize the flat productions.
Will the desirable project design for better air ventilation compromise other important objectives for the benefits of the public?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The AVA was conducted in project design stage.
Has the public raised concern on air ventilation in the neighbourhood area of the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

Is the project already in advanced stage to incorporate AVA?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The AVA was conducted in project design stage.
Any other factors not listed above? (please specify)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
6. Is AVA required?			
<input checked="" type="checkbox"/> AVA is required for the project	<i>Go to Section 7</i>		
<input type="checkbox"/> AVA should be conducted later	<i>Go to Section 8</i>		
<input type="checkbox"/> AVA to be waived	<i>Go to Section 9</i>		
7. AVA is required for the project <input checked="" type="checkbox"/>			
<i>(The AVA report, 3 hard copies and an electronic copy in Acrobat format, is to be submitted for record after completion)</i>			
(a) AVA Consultants (if any)	Allied Environmental Consultants Limited		
(b) Time (start / finish)	Feb 2012 - Oct 2014		
(c) Assessment tool used (CFD or/and wind tunnel)	CFD		
(d) Any design changes made to the project resulting from the AVA?	Major Design Change: - Alignment of wind paths, - Locations of G/F empty bays - Orientation of building blocks		
(e) Any major problems encountered in the AVA process?	No.		
(f) Any suggested improvement to the AVA process?	None.		

8. AVA should be conducted later		<input checked="" type="checkbox"/> N/A
(a) What is the current stage of the project?		
(b) When should AVA be conducted?		
(c) Which Policy Bureau agrees to conduct AVA later?	DB THB Others _____	
9. AVA to be waived		<input checked="" type="checkbox"/> N/A
(a) Give justifications for waiving the requirement		
(b) Have qualitative design guidelines / measures been adopted and design changes been made to improve air ventilation of the project?		
(c) Which Policy Bureau agrees to waive AVA?	DB THB Others _____	
10. Contact		
(a) Name		██████████
(b) Designation		██████████
(c) Tel.		██████████
(d) E-mail		██