

OBJECTIVES AND TARGETS



To ensure continuous improvement in our sustainability performance, we have established a number of sustainability objectives and targets to review our performances each year. In 2017, we achieved most of our targets regarding environmental, social and project quality issues. Details of our achievements during the year and the targets for 2018 are tabulated below.

ON ENVIRONMENTAL ISSUES

Long Term Objectives	Targets for 2017	Achievements	Target Compliances	Targets for 2018
Reduce water consumption	<ul style="list-style-type: none"> Water taps in 100% of new projects to be Grade 2 or above; 50% of these projects to be Grade 1 under the Mandatory Water Efficiency Labelling Scheme (WELS) of WSD unless there are genuine operational or technical needs for not doing so 	<ul style="list-style-type: none"> All water taps in 100% of the 14 new projects are Grade 2 or above 79% of water taps in these projects are Grade 1 or above 	Complied	2017 targets to be maintained in 2018
Reduce energy consumption	<ul style="list-style-type: none"> To achieve OTTV of not more than 23 W/m² in 100% 	<ul style="list-style-type: none"> 100% projects with OTTV less than 23 W/m² 	Complied	2017 targets to be maintained in 2018

Long Term Objectives	Targets for 2017	Achievements	Target Compliances	Targets for 2018
	<ul style="list-style-type: none"> of all new projects with air conditioning installations ■ 75% of these projects to achieve an even lower OTTV of not more than 18 W/m² 	<ul style="list-style-type: none"> ■ 90.9% projects with OTTV less than 18 W/m² 		
<p>Promote a healthy and sustainable development</p>	<ul style="list-style-type: none"> ■ 85% of the new in-house and outsourced projects with Capital Project Estimate (CPE) / Approved Project Estimate (APE) greater than \$30 millions shall use pulverised-fly ash (PFA) or ground-granulated blast-furnace slag (GGBS) in concrete 	<ul style="list-style-type: none"> ■ 100% of the new projects have used PFA or GG BS concrete 	<p>Complied</p>	<ul style="list-style-type: none"> ■ 87% of the new in-house and outsourced projects with Capital Project Estimate (CPE) / Approved Project Estimate (APE) greater than \$30 millions shall use pulverised-fly ash (PFA) or ground-granulated blast-furnace slag (GGBS) in concrete.
<p>Reduce the consumption of natural resources</p>	<ul style="list-style-type: none"> ■ To reduce the use of timber by using alternative structural solutions such as metal hoarding, system formwork, metal formwork, semi-precast flooring system, precast roofing, dry walls and other structural means such as steel structural section, left-in formwork, etc. 	<p>0.491 m³/\$millions timber saved</p>	<p>Complied</p>	<p>2017 targets to be maintained in 2018</p>
<p>Comply with all relevant environmental legislation</p>	<ul style="list-style-type: none"> ■ To maintain a database to collect and analyse information 	<p>There was no environmental legislation conviction in ArchSD sites in 2017</p>	<p>Complied</p>	<p>2017 targets to be maintained in 2018</p>

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	regarding contractors' environmental regulatory performance			
Increase environmental awareness	<ul style="list-style-type: none"> ■ To record and monitor general technical advice on environmental protection measures in line with Arch SD environmental policy 	1,401 nos. of environmental advice given as at 31/12/2017	Complied	2017 targets to be maintained in 2018
Improve Green Housekeeping Management	<ul style="list-style-type: none"> ■ To reduce A4 paper consumption by 7.5% as compared with the base year 2005 	<ul style="list-style-type: none"> ■ With data normalised, there were 54.0% and 4.8% saving when compared with 2005 and 2016 respectively 	Complied	2017 targets to be maintained in 2018
	<ul style="list-style-type: none"> ■ To reduce electricity consumption (exclude A/C system) by 1.2% at QGO as compared with the base year 2013 	<ul style="list-style-type: none"> ■ With data normalised^[1], there was 20.7% and 16.6% saving when compared with 2013 and 2016 respectively 	Complied	To reduce electricity consumption (exclude A/C system) by 1.5% at QGO as compared with the base year 2013
	<ul style="list-style-type: none"> ■ To reduce electricity consumption by 1.5% at APB as compared with the base year 2013 	<ul style="list-style-type: none"> ■ With data normalised^[1], there was 11.0% saving and 1.0% increase when compared with 2013 and 2016 respectively 	Complied	To reduce electricity consumption by 2% at APB as compared with the base year 2013

[1] The electricity consumption was normalised with the consideration of number of server rooms and number of staff.

ON PROJECT QUALITY ISSUES

Long Term Objectives	Targets for 2017	Achievements	Target Compliances	Targets for 2018
<p>Improve the quality of our services and project delivery</p>	<ul style="list-style-type: none"> ■ To commence not less than 90% of new Public Works Programme (PWP) projects scheduled in 2017 in accordance with the commencement dates committed in the 2016 Resource Allocation Exercise (RAE) 	<ul style="list-style-type: none"> ■ 100% of the new projects commenced works in 2017 	Complied	<p>To commence not less than 90% of new Public Works Programme (PWP) projects scheduled in 2018 in accordance with the commencement dates committed in the 2017 RAE</p>
	<ul style="list-style-type: none"> ■ To monitor the expenditure on Capital Works Programme (CWP) projects within ArchSD's purview against the original estimates, ensuring that the over-spending and under-spending shall be within 5% of the corresponding provisions in the Printed Estimates 	<ul style="list-style-type: none"> ■ There was a forecasted 3.6% under-spending when compared to the Original Estimate 	Complied	<p>2017 targets to be maintained in 2018</p>
	<ul style="list-style-type: none"> ■ To ensure 100% of capital and minor works projects to be completed within the agreed time scale (in the Quarter of the year calendar) 	<ul style="list-style-type: none"> ■ 100% have been completed within the approved time scale in the scheduled quarter of 2017 	Complied	<p>2017 targets to be maintained in 2018</p>
	<ul style="list-style-type: none"> ■ 100% of projects to have certificate of completion 	<ul style="list-style-type: none"> ■ 80% of completion certificates were issued within one 	Not complied	<p>2017 targets to be maintained in 2018</p>

Long Term Objectives	Targets for 2017	Achievements	Target Compliances	Targets for 2018
	issued within one month after the certified date of substantial completion	month after the certified date of substantial completion		
	<ul style="list-style-type: none"> 90% of projects to complete outstanding works and defects rectification and issue maintenance certificate within 6 months from the expiry of the maintenance period 	<ul style="list-style-type: none"> 100% of maintenance certificates were issued within the 6-month tolerance 	Complied	2017 targets to be maintained in 2018
	<ul style="list-style-type: none"> 100% of the completed projects to achieve Satisfied Level or above on the overall performance in Client Satisfaction Survey 	<ul style="list-style-type: none"> 100% of the projects have achieved Satisfied Level or above on the overall performance 	Complied	2017 targets to be maintained in 2018

ON SOCIAL ISSUES

Long Term Objectives	Targets for 2017	Achievements	Target Compliances	Targets for 2018
Minimising accident rate for ArchSD staff	<ul style="list-style-type: none"> Accident rate for ArchSD staff should be not more than 2 occupational injuries per 1,000 staff per year 	<ul style="list-style-type: none"> There were 2 reportable accidents with an accident rate of 1.09 per 1,000 staff 	Complied	<ul style="list-style-type: none"> Accident rate for ArchSD staff should be not more than 0.18 occupational injuries per 100,000 man-hours worked

Long Term Objectives	Targets for 2017	Achievements	Target Compliances	Targets for 2018
				per year
Minimising the accident rate in ArchSD contracts	<ul style="list-style-type: none"> ■ Accident rate in ArchSD contracts should be less than 0.6 reportable accident per 100,000 man-hours worked 	<ul style="list-style-type: none"> ■ 0.28 reportable accidents per 100,000 man-hours worked 	Complied	2017 targets to be maintained in 2018
Promoting the awareness on safety and health amongst construction workers	<ul style="list-style-type: none"> ■ At least 45% of ArchSD contracts would participate in the ArchSD Site Safety Model Worker Award Scheme 	<ul style="list-style-type: none"> ■ 79% of ArchSD contracts participated in Safety Model Worker Award Scheme in 2017 	Complied	2017 targets to be maintained in 2018
Promoting the awareness on safety and health amongst contractors	<ul style="list-style-type: none"> ■ At least 50% of ArchSD eligible new works contracts and 50% of eligible maintenance term contracts would participate in Development Bureau Considerate Contractors Site Award Scheme (CCSAS) 	<ul style="list-style-type: none"> ■ 79% of eligible ArchSD new works contracts and 89% of eligible maintenance term contracts participated in CCSAS 2017 	Complied	2017 targets to be maintained in 2018
Enhancing the occupational safety and health within the workplace	<ul style="list-style-type: none"> ■ Safety walk for workplaces would be conducted at least quarterly 	<ul style="list-style-type: none"> ■ Safety walk at workplaces has been conducted accordingly 	Complied	2017 targets to be maintained in 2018
Strengthening	<ul style="list-style-type: none"> ■ At least 12 	<ul style="list-style-type: none"> ■ 16 external training 	Complied	2017 targets to be

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health and safety knowledge for project staff with external training	external safety training courses should be arranged for project and office staff per year	courses were conducted and attended by 536 professional/technical/site staff in 2017		maintained in 2018
Upkeeping safety and health awareness of professional, technical and site supervisory staff, consultants and contractors with in-house briefing	<ul style="list-style-type: none"> ■ At least 4 in-house workshops on safety and health should be organised 	<ul style="list-style-type: none"> ■ 5 in-house workshops / seminars were conducted 	Complied	2017 targets to be maintained in 2018