State Ministry of Rural Housing and Construction &

Building Materials Industries Promotion

GUIDELINES FOR GREEN RATING OF CONSTRUCTION MATERIALS IN SRI LANKA

CIDA

CIDA Publications No: CIDA/Guidelines/05

Guidelines for Green Rating of Construction Materials In Sri Lanka

1st Edition – 2021

ISBN No: 978-624-5788-05-7

Ministry of Urban Development and Housing

State Ministry of Rural Housing and Construction & Building Materials

Industries Promotion

Guidelines for Green Rating of Construction Materials In Sri Lanka

CONSTRUCTION INDUSTRY DEVELOPMENT AUTHORITY (CIDA)

March 2022

Forward

Today with the increasing growth rate of construction, the consumption of depleting resources for construction has been very high. Thus, keeping an eye on the environment is essential concerning the relationship to the eco-systems and human life. Everyone has an important role to play in transforming resources to a final product in terms of concerning energy and improving efficiency while being environmental friendly. Moreover, every waste can be transform into a usable product.

In keeping with the objective of developing framework to promote green buildings in Sir Lanka, I was pleasantly enthused to announce that CIDA as the government apex body for construction establishing the concept, the framework is ready to be implemented.

This document describes the requirements for rating of Green Construction Materials and Components (GCMC) intended to be used in the construction industry. The GCMC supplier registration scheme with a rating forms part of the CIDA programme to assure the performance in green materials required by the construction industry to ensure the sustainability of the environment by preserving the depleting materials, energy, water saving etc. It has been developed within the frame work for rating of green materials in accordance function 13(y) of the Construction Industry Development Act No 33 of 2014.

The aim of introducing this Green Rating is to encourage the stakeholders that can be taken to reduce the use of resource in terms of construction materials. It has made an effort to highlight the promote to apply circular economy concept during the construction and implementation stage. The criteria is mainly focused on six (6) evaluation criteria promoting the reuse, use of power and offset, declining inclusion of toxic materials in the produces, social welfare aspects etc.

I mention with gratitude the steering committee members who provided the guidance to develop this framework. This is a culmination of the efforts taken by all the committee members and the reviewing committee that reviewed the framework.

I hope this framework will bring the benefits to our future generation directing the construction industry stakeholders towards the duties and responsibilities to protect the nature.

it is hoped that this rating tool will be able create an integrated platform that will enable stake holders in the construction industry to gain awareness of the potential environmental impact of their decisions and to optimize decision making through knowledge of environmental impacts of products certified as green building materials.

Eng.(Prof.) N.T.Sohan Wijesekera
Chairman
Construction Industry Development Authority
08.03.2022

Authors and Contributors

Head of the Team

Eng. A. Wijesinghe
Director General, Construction Industry Development Authority

Committee members

Eng. (Prof.) C Jayasinghe, Chairperson of the Committee
PhD, M.Sc., B.Sc. Eng., Member
Senior Professor, Department of Civil Engineering, University of Moratuwa

Eng. (Prof.) MTR Jayasinghe, Member
PhD. B.Sc. Eng.,
Senior Professor, Department of Civil Engineering, University of Moratuwa

Eng. (Prof.) A. Perera, Member
PhD., B.Sc. Eng.
Senior Lecturer, University of Moratuwa

Archt. (Dr). R.M.K.U. Rajapaksha
PhD (Qld) Arch, M Sc (Arch), B Sc (B Env)
Senior Lecturer,, Department of Architecture
University of Moratuwa

ENG. W.M.D.N.Ranasinghe
B.Sc. Eng., M.Eng, C.Eng,
Int. P.Eng (S.L.), FIE (SL). Dip. In Arb., Dip. In Adjud.
Former Deputy Chief Secretary (Engineering) – Western Provincial Council

Reviewers

Eng. (Prof.) Udeni P. Nawagamuwa,
Dr. Eng., M.Eng., B.Sc. Eng., CEng
Professor, Department of Civil Engineering, University of Moratuwa

Eng. (Dr.) Chaminda Thushara
PhD. M.Eng. B.Sc. Eng.,
Lecturer, Senior Professor, Department of Civil Engineering, University of Ruhuna

Eng. (Dr.) Samith Buddika
PhD, M.Eng, B.Sc. Eng.
Lecturer, Department of Civil Engineering, University of Peradeniya

Contents

1. Introduction

This document describes the requirements for rating of Green Construction Materials and Components (GCMC) intended to be used in the construction industry. The GCMC supplier registration scheme with a rating forms part of the CIDA Programme to assure the performance in green materials required by the construction industry to ensure the sustainability of the environment by preserving the depleting materials, energy, water saving etc. It has been developed within the frame work for rating of green materials in accordance with the Clause 13(x) Construction Industry Development Act No 33 of 2014.

The Clause 13(x) prescribes that to the Authority have powers to review and monitor any materials, plant and machinery requirements of the construction industry and to encourage the development and use of local products in the construction works.

In addition to that Urban Development Authority (UDA) has commenced a Blue Green Sri Lanka- Green Building Guidelines for Sri Lanka in 2017 for Green rating for buildings more than 400 sq.m. Construction Industry Development Authority has been assigned to carry out item 6 of the said guidelines rating high value green building materials.

The objective of the task is to encourage the use of high green value materials in development projects to minimize the dame caused to the environment and to the people who use buildings.

Accordingly, CIDA has commenced a green material rating in line with Act and in line with Section 2 of materials and resources of Blue Green Sri Lanka Guidelines for green environment friendly building of Urban Development Authority which used for obtaining Green Certificate for any buildings exceeding floor area of 400 sq.m. under UDA Green Building Rating System.

2. Benefits of registration

The rating will enhance the opportunities, recognition and prestige of material suppliers of the construction industry. In future, this rating is expected to be considered as a value addition to supply (GCMC) for state sector projects. Further, the CIDA Green Rating for materials to be recognized by the professionals and other stakeholders in the construction industry when selecting construction materials and components for construction projects.

The rating will also be beneficial to manufacturers, importers and suppliers who are registered in Sri Lanka with the Register of Companies for the purpose of carrying out a business of manufacturing/supplying importing GCMC.

3. Guideline for evaluating use of high value green building Materials Developed by CIDA

3.1 Eligibility

This scheme of rating is applicable to those suppliers who are registered in Sri Lanka with the Register of Companies for the purpose of carrying out a business of manufacturing/supplying importing GCMC.

Eligibility of Registration

1. The GCMC suppliers applying for registration with CIDA shall have the registration under the Clause 43 of Construction Industry Development Act No 33 of 014.

2. A separate application is required for each GCMC. This rating is applicable to the following categories of construction materials.

   Category A- Products that are locally manufactured in own establishments (Locally manufactured products making use of locally available raw materials

   Category B- Products manufactured or processed by other agencies in Sri Lanka, Products manufactured/assembled with imported raw materials/components, more than 50%-75% local and more than 50%-25% imported by cost/weight/volume.

   Category C- Products imported CMC

3. Supplier/Manufacturers who are interested in obtaining a CIDA rating for their products shall submit the application as given in Annex A

4. Any material to qualify for green rating must comply with required standards specified in relevant Sri Lanka Standards or any other international Standards acceptable to CIDA.

3.2 Criteria

The rating will be done based on following criteria

a) Natural resource consumption and recycled/regenerated component
b) Energy demand and CO2 emission in manufacturing and transportation stages (Total energy demand up to the finished product)
c) Hygienic of the materials
d) Maintenance and durability
e) Indoor air quality
f) Social fairness

3.3 Applications

The Application submitted by a prospective manufacturer/supplier will be assessed by CIDA for verification of authenticity of documents and data declared by the Applicant.

The Applicant will be notified of any missing details within 14 Days and the final rating will be issued within 3 months time period.

The specified material will be rated based on the evaluation criteria and assessment of green performance through site verification by CIDA if required. The prospective suppliers will be notified to obtain the rating within a maximum period of one month after said evaluation with the due payment being made.

Rating will be annually reviewed by inspection of the production facility and scrutinisation of green performance evaluation.

Applicant is eligible to apply for upgrading of rating if and when he is able to fulfill the requirements for the next higher grade for rating for this purpose. The requirements for advancement to the higher grade will be made available to the applicant at the time of rating.

Details of the registration fees are given under section 10 below;

If an Applicant is not in agreement with the outcome of the assessment/evaluation as per (a), (b) or (d) above, an appeal may be made as described in 8 below;

Duly completed applications supported by the additional documents should be submitted to Director General, CIDA addressed to 123, “Savsiripaya”, Wijerama Mawatha, and Colombo 07.

3.4 Green rating evaluation

Criteria for high value green rating developed by CIDA is based on following principle criteria.

1 Natural resource consumption and recycled/reused/regenerated Component
2 Energy demand and CO2 emission in manufacturing and transportation stages
3 Hygienic of the material
4 Maintenance and durability
5 Indoor Air Quality (IAQ)
6 Social Fairness

Average points rounded to nearest whole number to be assigned for the green product applied by the Applicant is given below;

Table 5: Criteria

Criteria No	Criteria	Range	Mark	Description
1	Natural Resource consumption recycled/reused /regenerated Component	>95%	0	>95% dependent on depleting natural resources.
		75%-95%	1	75%-95% dependent on depleting natural resources and the rest on recycled, regenerated, reused or regional materials or any waste material goes in to manufacturing.
		50-75%	2	50-75%dependent on depleting natural resources and the rest on

				recycled, regenerated, reused, or regional material goes into manufacturing.
		25-50%	3	25-50%Dependent on depleting natural resources and the rest on recycled, regenerated, reused, or regional materials or any waste material goes into manufacturing
		5-25%	4	5-25% dependent on depleting natural resources and the rest on recycled ,regenerated, reused, or regional Material or any waste material goes into manufacturing.
		< 5%	5	< 5% dependent on depleting natural resources and the rest on recycled, regenerated, reused, or regional material goes into manufacturing.
2	Energy demand and CO2 emission in manufacturing and transportation stages (Total Energy demand up to the finished product)		0	Annual energy demand of the product is not quantified.
			1	Annual purchased energy demand is quantified.
			2	A renewable energy use and carbon management strategy is developed. (Subject to progress assessment at the next evaluation) Or embodied energy of the material is less than 4MJ/kg.
		>10%	3	>10% of purchased energy is renewably sourced or offset with renewable energy projects, and >10% of direct on-site emissions are offset. Or embodied energy of the material is less than 2MJ/kg (according to ICE embodied energy database)
		>25%	4	>25% of purchased electricity is renewably sourced or offset with renewable energy projects. and >25% of direct on-site emissions are offset. Or embodied energy determined up to the finished product is less

				than 1MJ/kg (Quantified by the evaluation panel for the specific manufacturing process)
		>50%	5	For the final Manufacturing stage of the product, >50% of purchased energy is renewably sourced and >50% of direct on-site emissions are offset. Or embodied energy determined up to the finished product is less than 0.5MJ/kg (Quantified by the evaluation panel for the specific manufacturing process) ** The Embodied energy values for Sri Lanka to be determined as per process based analysis. However, this will be done in stages and initially EE values can be obtained from the ICE database. ** Explore possibilities to attract funding to establish a local database of EE for building materials used in Sri Lanka.
3	Hygienic of the material		0	The ingredients of the material and the relevant reactions are not identified by the manufacturer.
			1	The ingredients of the material and the relevant reactions have been identified by the manufacture.
			2	The product does not contain any hazardous chemicals above the relevant thresholds based on manufacturer declarations with evidence on past projects.
			3	The product contains components which are 50% assessed for toxicity and evident of having harmless substances.
			4	The product contains components which are at least 75% assessed and does not contain toxic list of chemicals.
			5	The product is 100% assessed and does not contain any substance with toxicity. ** Internal reactions and toxicity can be judged based on declarations made by the manufacturers. If any discrepancies are detected,

				further testing is recommended at the expense of manufacturer.
4	Maintenance and durability		0	No assessment of durability and frequency of maintenance.
			1	Annual maintenance required based on either literature or past experience.
			2	Material requires periodical maintenance once in two years as declared by the manufacture with evidence.
			3	Material requires periodical maintenance once in three years as declared by the manufacture with evidence.
			4	Material is categorized as of high durability based on testing (test reports submitted) and maintenance requirement is once in three years based on past project evidence.
			5	Material is categorized as of high durability based on testing (test reports submitted) and maintenance requirement is once in five years based on past project evidence. • A certificate on durability should be requested from the manufactures. • Durability should be indicated as a relative measure for different materials.
5	Indoor Environment		0	Emission of indoor air pollutants and thermal properties have not been identified upon application of the product in the building.
			1	Emission of indoor air pollutants and thermal properties have not been identified upon application of the product in the building by and migratory plans have been developed.
			2	Material is categorized as having good performance with respect to IAQ and thermal comfort based on the declaration by the manufacture with evidence of past projects.
			3	Material is categorized as having good performance with respect to IAQ and thermal comport in the opinion of the evaluation panel and based on literature.

			4	Material is tested for IAQ and found to be not exceeding the threshold values specified by WHO & USEPA for harmful IAQ causative agents and tested for thermal properties that are found to be **favorable** to maintain better indoor thermal comfort.
			5	Material is tested for IAQ with dispersion curves and found with the good performance with the magnitudes of IAQ agents not exceeding the threshold values and thermal properties that are found to be **favorable** to maintain better indoor thermal comfort.
6	Social Fairness		0	There is no record of the manufactures commitment on social aspects for the employees' and society wellbeing.
			1	Manufacture has identified the need of employees ‘and society wellbeing.
			2	Manufacturer maintains an acceptable level of employee satisfaction based on the declaration with evidence.
			3	Manufacture maintains an acceptable level of employee and social wellbeing based on the declaration with evidence.
			4	Manufacture maintains a high level of employee and social wellbeing based on the assessment by evaluation panel with questionnaire.
			5	The manufacturer is actively conducting innovative social projects that positively impacts employee’s lives, the local community, global community, social aspects of the product’s supply chain.

Final marks of the green product based on the greenness of the product is given below;

Table 6: Rating

Average points scored	Star rating (green score)	Greenness of the material
Below 0.5	-	Very poor
0.5 to 1.5	-	Poor
1.5 to 2.5		Progressing

2.5 to 3.5		Green
3.5 to 4.5		Highly green
4.5 above		Exceptionally green

4. Green Performance Assessment

For purposes of rating continuance, a performance assessment will be undertaken by a Working committee and recommended by the Steering Committee appointed by CIDA for Green Rating. This involves site verification and assessment of processes and documentation. Consequently, the supplier is required to participate fully in the evaluation and provide all relevant data to the steering committee.

CIDA may solicit the services of experts in the relevant areas to participate in the evaluation process. The evaluation may include:

1. Observation of operations relevant to the Green criteria prescribed in the CIDA publication No Section 2 of this Guideline.
2. Verification of raw material control and in-process controls as applicable to manufactures.
3. Review and verification of test reports and documentation of Energy calculations
4. Review of handling non- conforming products
5. Evaluation of staff, equipment and facilities to ensure quality of products and supply
6. Evaluation of social welfare reports

Any application for upgrading of registration may include:

1. Confirmation of continuation of CIDA Grading under the Clause 43 of CID Act.
2. Evaluation of improved green performance of material during the period under review.
3. Review of improvements to the process of production of CMC, value additions and enhancement of product quality.
4. Evaluation of research and development projects, Corporate Social Responsibility (CSR) for the relevant period, additional facilities and services provided to customers and other stakeholders
5. Review of improvements in waste recycling/disposal and environmental and energy management.

Any additional information will be requested by CIDA to support the evaluation process.

The applicant will be informed in advance of the evaluation schedules and criteria for awarding a rate by ~~of~~ the Steering Committee and objections (if any) may be raised before the commencement of the evaluation. If an applicant is not in full agreement with the evaluation process and requested information, he may appeal to the Director General, CIDA. If a resolution cannot be agreed upon, the applicant may lodge an appeal as per 8 below.

5. Disclosure of information

Any changes to the information provided by the applicant under **General information of the applicant,** as given in the Annex 1 should be notified to the CIDA immediately in order to assist the evaluation.

6. Violations

An applicant will be subjected to suspend the rating for any of the following, in addition to 6 above:

1. Non availability of quality standard of the product as declared at the time of registration
2. Failure to provide all required information and non-disclosure of correct information
3. Failure to furnish supporting documents for rating, before the deadline
4. Non-cooperation during inspections by the CIDA nominated personal
5. Inability to make corrective actions, if any, within the agreed time frame based on the final report on surveillance.
6. Fraud

Following suspension, CIDA will notify the applicant and make the relevant actions to remove the rated material from the list of rated Green Materials.

7. Appeals

The Applicant may appeal in following situations:

1. Disputes regarding the assessments/evaluation as per 4 (a),(b) or (d) above
2. Rejection of an application for rating without any valid reason
3. Disputed findings of Steering Committee
4. Suspension of the rating

Addressed to the Director General, CIDA within 28 days after receiving the outcome of findings with respect to any of the situations above. The status will be reviewed by the Appeal Committee appointed by the Director General.

The applicant should provide details of the dispute together with any supporting documentation in his appeal, addressed to the Director General, CIDA.

8. Confidentiality

Detailed information provided with applications or obtained through performance assessment is retained by CIDA. It shall ensure all personnel engaged in registration process will not share a supplier's confidential information with any third party, unless written approval has been provided by the supplier or the information is required for an appeal in accordance with 8 (Appeals) or for legal purposes.

9. Registration and Fee Structure

1. Green rate will be issued for three years time and renewal and upgrading is required in each year.
2. CIDA will be maintaining a Register for those who become qualified for supply/manufacture/distributing agent of green building materials.
3. The Registry will be published as an official document every year in the second week of February and thereafter CIDA will update the register of successful applicants on a quarterly basis.
4. Applications for Registration will be received by the CIDA throughout the year yet the inclusion of name /amendment to the registry will be made on the following basis.
5. Applications received before 15th November of the previous year, will become eligible to include in the first quarter of the year starting from1st January to 30th March .
6. Applications received after15th November and up to 15th February of the following year, will become eligible to include in the second quarter starting from 1st April to 30th June.
7. Similarly third quarter update of the registry will include applications received between 16th February to 15th May and eligible applicants will appear in the third quarter. (1st July to 30th September.)
10. Final quarter will include applications received between the period of 16th May to 15th August and will appear in the publication valid between 1st October to 30thDecember.

Fee Structure

10.1 New applications

a. Application processing fee Rs 5,000.00 in the new registration

a. Registration fee is as follows;

Table 7: Fee structure

Rate applicable per application (including processing fee)	Fee, Rs
Green	30,000
Highly green	35,000
Exceptionally green	40,000

10.2 Renewal

a) Renewal cost is 100% of the registration cost
b) Cost as determined by CIDA for site visits (transport, accommodation and subsistence) or any other overhead shall be born by the Applicant
c) Cost of related test etc. carried out by CIDA as instructed by Steering Committee shall be reimbursed from the Applicant

- Above fees is to be added any government tax.

Annex A Survey form

This survey is conducted with the purpose of assessing the available green construction materials and promoting them.

මෙම සමීක්ෂනය සිදු කරන්නෙ හරිත ගොඩනැගිලි ද්‍රවයන් හඳුනාගෙන ඒවා ප්‍රචාරණය කිරීම වෙයි.

1.0 General Information / සාමාන්‍ය තොරතුරු		
1.1	Name of the Company / ආයතනයේ නම	
1.2	Details of Business Registration	
1.3	Address / ලිපිනය	
1.4	Coordinating Officer සම්බන්ධීකරණ නිලධාරී මහතාගේ තොරතුරු 1) Telephone Number / දුරකථන අංකය 2) E-mail / විද්‍යුත් තැපෑල	

1.4 **No / අංකය**	**Name of the product / නිෂ්පාදනය**	**Brand names(if any) / වෙලඳ නාමය**	**Use**
1			
2			
3			
4			

5			
6			
7			

For different products, please use separate copies of the following sections of this survey

2.0 Product Details නිපදවන භාණ්ඩ / ද්‍රව්‍ය පිලිබඳ විස්තර

Name of the product / නිපදවන භාණ්ඩය හෝ ද්‍රව්‍යය**:**

Annual production capacity / වාර්ෂික නිෂ්පාදන ධාරිතාව**:**

Ingredients අමුද්‍රව්‍යය	**Percentage/ Ratio** අඩංගුප්‍රතිශතය/ අනුපාතය	**Distance transported from extracted location (km)or country of origin** ප්‍රභවයේ සිට ඇති දුර හෝ නිෂ්පාදිත රට	**Raw materials** අමුද්‍රව්‍ය සංයුතිය			
			Re Used % නැවත භාවිතා කළ ප්‍රමාණය %	Re Cycled % ප්‍රතිවක්‍රීකරණය කළ ප්‍රමාණය %	Regenerated % ප්‍රතිඋත්පාදනය කළ ප්‍රමාණය %	Natural resources usa ස්වාභාවික සම්පත් ප්‍රතිශතය

3.0	**Quantity Standards** **නිෂ්පාදන / සැපයුම් ප්‍රමිතිය**		Details තොරතුරු
3.1	If SLS available ශ්‍රී ලංකා ප්‍රමිති (SLS) සහතිකඇතිනිෂ්පාදන සහ අංක		e.g. SLS 2. ISO 9001:2008
3.2	Third party clarification වෙනත් තුන්වන පාර්ශවයක ප්‍රමිති සහතික	☐ Yes ඇත. ☐ No නැත.	

Note : Evidence to be attached.

4.0 Energy Demand for Manufacturing & CO_2 emission

බලශක්ති පරිභෝජනය සහ CO_2 මුදා හැරීම

	Source ප්‍රභවය	Purchased මිලදී ගන්නා ප්‍රමාණය%	Renewable පුනර්ජනනය කළ ප්‍රමාණය%	Energy off-se බලශක්තිය අවම කිරීමට ක්‍රියාමාර්ග	Off-set අවමකිරීමේ ක්‍රියාමාර්ග උදා. ගස් වැවීම	Wind /Solar/H own by the C
4.1	Electricity විදුලි බලය					
4.2	Gas/Coal/fuel වායු/ගල් අඟුරු/ඉන්ධන					
4.3	Bio fuel ජීව වායු					
4.4	Transport (Fuel) ප්‍රවාහනය (ඉන්ධන)					
4.5	Others අනෙකුත්					

5.0 Chemical reactions / Composition of Materials

රසායනික ක්‍රියාදාම සහ අමුද්‍රව්‍ය සංයුතිය

5.1 Are you aware of the chemical composition of your product?

ඔබගේ නිෂ්පාදනයෙහි ඇති රසායනික ද්‍රව්‍ය සංයුතිය ගැන දන්නවාද?

5.2 Have you taken any steps taken to make the material inert? If yes specify the steps……

ඔබගේ නිෂ්පාදනයෙහි ඇති අහිතකර ප්‍රතික්‍රියාශීලී ද්‍රව්‍යඉවත් කිරීමට ගත් ක්‍රියාමාර්ග මොනවාද?

5.3 Do you know reactions of raw materials**?** ■

Yes **/** ඔව්.

අමුද්‍රව්‍ය සහ ඒ සම්බන්ධ ප්‍රතික්‍රියා (නිෂ්පාදන කියාවලියේදී) ඔබ දන්නවාද ? ☐ No **/** නැත.

5.3.1Please Specify /ඒ මොනවාද?

Inversion of Quartz α → β.

Crystalization of gamma Alumina (γ – Al2O3)

5.4 Do you test regularly on any identified Hazardous materials/reactions? No ☐ Yes **/** ඔව්

අවදානම් ප්‍රතික්‍රියා සහ අමුද්‍රව්‍යගැන පරීක්ෂණ පවත්වන්නේද? ■ No **/** නැත.

5.4.1Frequency / නිවුතාව -

1. වසරකට (per year)
2. Chemical reactions / නිෂ්පාදනයට (per each product)

6.0 Maintenance required

නඩත්තු කිරීම (භාවිතයේදී)

Annual වාර්ෂික	**Once in two years** දෙවසරකට වරක්	**Once in three years** තෙවසරකට වරක්	**Rarly never** වසර **5**කට වරක්
-	-	-	

7.0 Embodied energy (if known) /අන්තර්ගතශක්තිය (නිෂ්පාදනය සඳහා වැය වූ මුලු ශක්ති ප්‍රමාණය ගණනය කර ඇත්නම්)

Calculation attached and signed:

☐ Yes **/** ඔව්

■ No **/** නැත.

8.0 Do you know about emissions? ☐

Yes **/** ඔව්.

නිකුත් කරනු ලබන විෂ රසායනික ද්‍රව්‍ය පිළිබඳ අවබෝධයක් තිබේ ද? ■ No / නැත.

8.1 Indoor air quality(IAQ) based on Literature අභ්‍යන්තර වායු ප්‍රමිතිය - දැනට ඇති දත්ත අනුව	Testing for IAQ IAQ අභ්‍යන්තර වායු ප්‍රමිතිය - පරීක්ෂණාත්මක අගය	Causative agents අහිතකර ද්‍රව්‍ය					Other අනෙකුත්
		VOC	NO_2	PM_{25}	PM_{10}	Other	

9.0 Salvage value

අවසාන වටිනාකම

5% Recyclab renewable	5%-25% Recyclable/renewable	25%-50% Recyclable/renewable	50%-75% Recyclable/renewable	75%-100% Recyclable/renewable

9.1 Method of recycling:

ප්‍රතිචක්‍රීකරණක්‍රමවේදය : .....

10.0 Social Wellbeing Activities.

සමාජ සුභසාධක කටයුතු

1) Community Projects / ප්‍රජා ව්‍යාපති:

2) Awareness / Training Programmes
   දැනුවත් කිරීමේ / පුහුණු වැඩ සටහන්:
   01).First aid training
   02.5S Training
   03) ISO Training
   04) Fire safety training
   05) Quality & process controlling of manufacturing
   06) Induction training for carpenters.
   07) Participated the training program conducted by labour department.
   08) Quality Circles & Kaizen training.
   09). Training on Various HR practices
   10) Environmental friendly projects/Community projects

3) Other, Please specify: ……

All details submitted in the applications is true according to my knowledge.

……
Signature of the Applicant

Construction Industry Development Authority

"Savsiripaya"
123, Wijerama Mawatha,
Colombo 07,
Sri Lanka.

Tel : +94 11 2699801
Fax : +94 11 2699738
Email : info@cida.gov.lk
Web : www.cida.gov.lk