

ANNEX AR – MICRO-SCALE/MICRO-PROGRAMME VERIFICATION REPORT TEMPLATE

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SECTION A. PROJECT STATUS DESCRIPTION

Please indicate the scheme applicable to the micro-scale activity:

1. Project activity is under the micro-scale scheme
2. Project activity is under the micro-programme scheme

Title of the Activity or VPA: Energy Efficiency measures in DMRC Phase III elevated stations

Title of the PoA:

Briefly indicate when the project activity started operation and discuss its current status.

Energy Efficiency measures at DMRC Phase III stations (hereafter referred to as the “Project”) has been developed by Delhi Metro Rail Corporation Ltd. (hereafter referred to as the DMRC) is located in state of Delhi, India. The project involves implementation of energy efficiency measures in elevated stations of Phase III of Delhi Metro managed by DMRC.

The project activity includes 66 over-ground (elevated) metro station buildings forming a part of Phase III of Delhi Metro. The project activity involves energy efficiency measures undertaken by Delhi Metro Rail Corporation (DMRC) in a number of station buildings forming a part of Delhi Metro Phase III. The energy efficiency measures have been undertaken primarily in the Air Conditioning system, lighting system and other energy efficient measures of station buildings. The measures adopted in the Air Conditioning system result in reduction in electrical energy consumption, in comparison to that for a station building forming a part of Phase I of Delhi Metro

The project involves implementation of Energy efficiency measures in 66 metro stations. These stations have been completed on different dates and are commissioned in lots. The last station of project activity has been commissioned and operational on 09th March 2019 and at present; all the stations of Delhi Metro Phase III covered under the project activity are commissioned and operational.

SECTION B. OBJECTIVE OBSERVERS’ OPINION

Please provide an opinion as to whether the project activity is in line with The Gold Standard principles and whether emission reductions should be certified.

SECTION C. DETAILS OF SITE VISIT

i. Team on site

List Objective Observer(s) that went on site. Provide brief information about his/her (their) background and relevant skills.

ii. Period of site-visit

Time period during which Objective Observer(s) was (were) on-site.

iii. People interviewed

Provide the list of the individuals interviewed during the site visit and include relevant information on the group or organisation they represent.

iv. Means for interviews

Describe the means used to interview individuals during site visit; e.g. one to one interactions, telephonic conversations, etc.

SECTION D. EVALUATION OF THE STATUS OF MITIGATION AND COMPENSATION MEASURES

Mitigation or compensation measure	Comments (provide information on status of implementation)
The project activity reduces air pollution. The major pollutants prevented by the project activity are the criteria pollutants due to the electricity generated from fossil fuels.	Implementation of energy efficiency measures has resulted in lowering the electricity demand, thus lowering the emission of air pollutants.
The stations will be installed with a rainwater harvesting structure.	Rain water harvesting structures have been provided at the elevated stations of Phase-III.
Installation of T-5 and LED lighting instead of incandescent tube lights. The project activity reduces soil pollution mainly pollution of soil from mercury of disposed tube-lights.	LED Lights have been installed at the stations covered under the project boundary.
The project activity ensures good quality of employment by training the staff, providing medical benefits and insurance. National	DMRC has a training institute. It provides training to develop staff capabilities and competence of the employees to Delhi Metro as well as other metros. During the period of 2018-19, DMRC has provided training to

norms for jobs will be maintained.	5,860 employees. These training include foundation training for newly recruited staff as well as refresher training to existing employees in various disciplines. DMRC, a joint venture of Govt. of India & Govt. of Delhi, follows national norms for jobs. All the employees of DMRC are governed by minimum wage rate as per govt. of India regulation. Payscale of each type of employee has been defined in the recruitment notice of DMRC. Moreover, HR Department of DMRC is in custodian of the medical benefits & insurance and are provided as per the extant policies of DMRC.
The project activity will have impact on improving the livelihood. The measures involve providing homes, schools for homeless and poor, etc.	DMRC has a children home for the welfare of under privileges/orphans. This has been running successfully through an NGO known as Salam Balak Trust. Further, for welfare of senior citizens, DMRC has opened a "Winter Old Age Home". This facility is operational from November to March every year and is being run in collaboration with NGO known as "Help Age India".
Stakeholders will have access to better services as the reduction in units of energy consumed will contribute towards the improvement in the power scenario of Delhi i.e. the region where GS project is implemented.	The project activity entails higher investment into Phase III stations and results in improved energy services.
DMRC will develop human and institutional capacity of users / workers / etc. The mitigation measures include workshop / ICT material to enhance awareness on environment, safety, health and other social issue.	The revenue obtained from the project activity is being utilized for enhancing human and institutional capacity in dealing with sustainability issues. The following programs through CSR activities have been taken up like: <ul style="list-style-type: none"> • Awareness film on facilities for commuters in Metro. • Organizing a series of street plays (nukkad natak) at sites to spread awareness about the preservation of the environment among the workers and officials.
Ensures employment generation during the operation and maintenance of the project activity.	DMRC has recruited employees for the operation and maintenance of the project activity, which has resulted in the employment generation. DMRC has a total of 12,056 number of employees as on 31 st March 2018, which increased to 14,353 by 31 st March 2019.

**SECTION E. STATUS OF SUSTAINABLE DEVELOPMENT ISSUES ASSOCIATED WITH THE PROJECT
ACTIVITY**

i. Environmental issues

Did the implementation of the project activity contribute to any negative environmental impacts in the region, e.g. was there any deterioration of air quality, water quality and/quantity, soil condition and biodiversity with respect to the baseline situation (i.e. current situation or most likely situation in the absence of the project activity)?

Project Activity implementation does not have any negative environmental impacts in the region with respect to the baseline situation. The implementation of project activity result in reduction of GHG emission and an overall improvement of environment due to reduced usage of fossil fuels in anthropogenic activities directly or indirectly attributed to the project.

ii. Social and economic issues

Did the implementation of the project lead to any negative social and economic impacts in the region, e.g. was there any deterioration of livelihoods, or reduction in the quality and quantity of employment, in comparison with the baseline situation (i.e. current situation or most likely situation in the absence of the project activity)?

Project implementation does not have any negative social and economic impacts in the region in comparison with the baseline situation. The project implementation essentially reduces electricity consumption by the station buildings thus allows the electricity to flow to other important activities. As the project implementation has resulted in use of energy efficient measures in the stations of Delhi Metro, it has resulted in reducing the electricity consumption in the Phase III of DMRC.

**SECTION F. STATUS OF IMPLEMENTATION OF CONTINUOUS INPUT / GRIEVANCE MECHANISM & FEEDBACK
RECEIVED**

Please evaluate whether the approved/selected methods of Continuous Input/Grievance Mechanism from the LSC report / other consultations have been implemented on site. For retroactive projects check that appropriate means were used by the PP to reach out to relevant stakeholders and seek their feedback on the Continuous Input / Grievance Expression methods as there was no LSC conducted for retroactive projects.

Please evaluate the stakeholders' comments received by different methods and responses provided by project participants. Also provide opinion if any mitigation measures should be put in place to address the comments raised.

CONFLICT OF INTEREST DECLARATION

I, [insert full name], aged [insert age] years, residing at [insert full home address], and working for [insert company name], which is located at [insert company headquarters address], having been selected to serve as an Objective Observer on behalf of The Gold Standard Foundation, hereby certify and declare as follows:

Neither I nor anyone else having influence over me has an interest with any person or in any firm, corporation or other business entity that is involved in the assessed project activity "GS_____" nor have I participated, directly or indirectly, by committee or as a consultant, advisor, employee, officer, director, agent, trustee, or otherwise, in the development, implementation, or administration of GS_____. I further certify and declare that in no way do I have a bias in favor or against any person, firm, corporation or business entity involved with GS_____, and I understand that such bias would disqualify me as an Objective Observer. If at any time during the evaluation process I should become aware of any interest or bias, I will report it immediately to The Gold Standard Foundation.

For purposes of this declaration, I understand "interest" to include any consideration or other thing of economic value, including future consideration.

Name: _____

Signed this _____ day of _____ Year _____