

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID50268
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	<p>Road safety action plans developed by the NH Office have focused on several major activities, which have supported a number of national and regional projects and been funded by the Indian Roads Fund. These activities include:</p> <ul style="list-style-type: none">● Improve data collection and management at national and regional levels● Improve emergency service to victims● Strengthen the programs of the National Road Safety Council Office● Technical and financial support for awareness creation activities – for example mass media, road safety

		clubs in Kebeles and schools, workshops and driver tr
2	Idea / Solution description	<ul style="list-style-type: none"> ● Road safety assessment on high trafficked road corridors ● Road safety hazard mitigation measures ● Safe pedestrian crossing of Addis Ababa ring roads ● Capacity building training for NH secretariat ● Capacity building training for RTA staff ● Road traffic safety compliance and enforcement
3	Novelty / Uniqueness	<ul style="list-style-type: none"> ● Data analysis, prediction and warning generation based on accepted scientific and technical methodologies. ● Data and warning products issued within international standards and protocols. Warning analysts trained to appropriate international standards. ● Plan implemented to routinely monitor and evaluate operational processes, including data quality and warning performance. ● Personal Protective Equipment: equipment worn by individuals to

		<p>reduce exposure such as contact with chemicals or exposure to noise.</p>
4	Social Impact / Customer Satisfaction	<p>Some of the social impacts of hazards are loss of life, injuries, physical and psychological health issues. It often considers the aspects of the individuals within the affected community. For instance,. This was not due to deaths but because people migrated as a result of losing their homes.</p>
5	Business Model (Revenue Model)	<p>The hazard control plan should include provisions to protect workers during nonroutine operations and foreseeable emergencies. Depending on your workplace, these could include fires and explosions; chemical releases; hazardous material spills; unplanned equipment shutdowns; infrequent maintenance activities; natural and weather disasters; workplace violence; terrorist or criminal attacks; disease outbreaks (e.g., pandemic influenza); or medical emergencies. Nonroutine tasks, or tasks workers don't normally do, should be approached with particular caution. Prior to initiating such work, review job hazard analyses and job safety analyses with any workers involved and notify others about the nature of the work, work schedule, and any necessary precautions.</p>

6	Scalability of the Solution	<p>How can streets be safer?</p> <p><i>How to accomplish it</i></p> <ul style="list-style-type: none"> ▪ Develop or modify plans to control hazards that may arise in emergency situations. ▪ Procure any equipment needed to control emergency-related hazards. ▪ Assign responsibilities for implementing the emergency plan.