Semi Annual Social and Environment Monitoring Report

January 2016

Nepal: Kathmandu Valley Water Supply Improvement Project

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Kathmandu Upatyaka Khanepani Limited (KUKL)
Project Implementation Directorate
Anamnagar, Kathmandu

SEMI ANNUAL SOCIAL AND ENVIRONMENT SAFEGUARD MONITORING REPORT
(July to December 2015)
ADB Loan no 2776

January, 2016

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A. Executive Summary

The proposed Kathmandu Valley Water Supply Improvement Project\(^1\) will support the ongoing efforts of the Government of Nepal towards improving the water supply services in Kathmandu Valley. The project will invest in bulk water transmission and distribution network improvement systems, and will complement past and ongoing Asian Development Bank (ADB) projects.\(^2\) The resultant synergy is expected to lead to increased efficiencies, greater improvement in service delivery, and higher impact on health outcomes and quality of life for inhabitants of Kathmandu Valley. This biannual report presents the Resettlement Plan (RP) implementing status from January to June 2015. It is being implemented by the Project Implementation Directorate (PID), Kathmandu Upatyaka Khanepani Limited (KUKL), who will address any resettlement impacts, permanent or temporary, during project implementation.

The overall project is classified as category B in accordance with ADB Safeguard Policy Statement (SPS). ADB's SPS covers both temporary and permanent impacts. There is no land acquisition under the proposed project activities. Required land for the project structures was previously acquired under the ADB Loan 1820. Altogether 594 businesses in narrow streets are identified those experience partially affected during the pipe laying time. Till now impact are avoided by good traffic management and time. Efforts are continue to avoid the adverse impact.

A total of thirty five major consultative meeting were held in community to disseminate project information and project entitlements. The meeting covered issues of community participation as well as and other project related activities. The regular meeting with community is continuous.

The PID KUKL has been addressing grievance resulted from project activities. Till the reporting period 7 cases of grievances has been filed in project. The grievances related to social and environment safeguard are handling immediately based on project entitlement framework and IEE report. No case of grievance is pending to settle. The implementing body has set up institutional requirement for the implementation of RP and the RP implementation is continuous.

B. Project description

Melamchi Water Supply Project (MWSP) has been implementing since December 2000, aiming to improve the overall of water supply and wastewater systems of the Kathmandu Valley. MWSP covers parts of the Indrawati and Bagmati watersheds and project areas include districts of Kathmandu, Lalitpur and Bhaktapur. The key water diversion facilities, headwork and diversion tunnel and access roads are located within Sindhupalchowk district, whereas, the water treatment plant at Sundarijal, water distribution network, balancing reservoirs and the other

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\(^1\) The project was prepared through PPTA 4893-NEP: Preparing the Kathmandu Valley Water Distribution, Sewerage, and Urban Development Project, approved on 13 December 2006. Due to restructuring of ongoing loans, the work of PPTA started in 2009, and final report was submitted in May 2010.

\(^2\) Loan 1820-NEP (SF): Melamchi Water Supply Project was approved on 21 December 2000, and became effective on 28 November 2001. Loans 2058/2059-NEP (SF): Kathmandu Valley Water Services Sector Development Program were approved on 18 December 2003, and became effective on 7 December 2004.
Ancillary structures are located within Kathmandu Valley. The implementation of the project was affected during the conflict period due to various local and national issues. In the meantime some of the donors withdrew their support for the project in 2005 and 2006.

Later in 2008, MWSP was split into two distinct subprojects: (i) Subproject 1: Melamchi River Water Diversion Project covering all project activities in the Melamchi Valley, including the Water Diversion Tunnel (WDT) and Water Treatment Plant (WTP); and (ii) Subproject 2: Kathmandu Valley Water Supply and Sanitation Project to undertake distribution network improvement inside Kathmandu Valley. The implementation responsibilities were entrusted to Project Implementation Directorate (PID), which was formed under the Kathmandu Upatakaya Khanepani Limited (KUKL) Board of Directors, through a MOU signed on 19 April 2009 between Government of Nepal (GoN) [Ministry of Finance (MoF), Ministry of Physical Planning and Works (MPPW)], Kathmandu Valley Water Supply and Management Board (KVWSMB), KUKL and Asian Development Bank (ADB). Resettlement Plans have been prepared with the entitlements, assistance and benefits, provision of business, institutional arrangements, tasks and responsibilities of the each level of the agencies involved in resettlement planning for the project.

Under the present loan from ADB (Loan No.2776). Scopes of the subproject-2 are as follows:

- Immediate improvements of water supply services in Kathmandu valley through augmentation of surface and groundwater sources;
- Water quality improvement related works;
- Rehabilitation and improvement of water supply and sewer networks at the primary, secondary and tertiary levels as well as house connections in parts of KUKL service area;
- Design and construction of the Bulk Distribution System (BDS);
- Improvement of the Service Management system of KUKL
- Provide project management support to PID

The ADB Public Communication Policy (PPC 2011) refers the Safeguards Policy Statement (SPS 2009) with respect to information disclosure related to project safeguard documentation states that ADB shall post on its website the safeguard document submitted by the borrower and or/ client. These safeguard documents include Resettlement and Indigenous People Plan (RP & IPP), and the social and safeguard monitoring reports. To comply with the PCP of ADB, the KUKL, PID shall submit one semiannual monitoring reports periodically over the total implementation period of the project, covering Environment, Resettlement and safeguard issues. This also has been spelled out in the project document and loan covenant of KUKL that the borrower/client shall submit the aforesaid reports to ADB.

Prior to civil works implementation, all the subprojects selected for construction development to be screened and classified using ADB’s classification system. The Kathmandu Valley Water Supply Improvement Project is classified B for involuntary resettlement and category C for indigenous people.

C. Scope of social and Environment safeguard impacts

The covenants of loan agreement with ADB requires that Resettlement Framework (RF) documents be complied during the implementation of project in accordance with ADB’s SPS 2009 and RF prepared for the project and agreed between the Borrower and ADB. Any projects that involve land acquisition and resettlement impacts to be prepared RPs and other safeguard reports as required under the scope of approved RP.
The MWSDB conducted EIA before the implementation of Melamchi Water Supply Project. It is assumed that most of the environmental issues are have been addressed and mentioned in EIA report. As the MWSDB project separated Melamchi diversion and water distribution into two projects a supplementary IEE has been conducted and approved to address the environmental issues of Kathmandu Valley Water Supply Improvement Project. No significance impact is experienced under the project. Efforts have been continued to minimize environmental and social team in design the project activities. The environmental parameters mentioned in IEE reports have been monitored in project construction activities.

There are no cases of displacement of people, other than temporary relocation of hawkers and mobile vendors during construction. However, till the construction time there are temporary inconveniences such as increased vehicle movements that affect the pedestrians of the immediate vicinity of the work. Based on final detail design updated resettlement plan has been submitted to ADB. RP's have identified a total of 594 business vendor's experience ( DNI Package I -302, DNI Package II-174 and DNI Package III – 118) partial disturbance due to the project activities. The estimated compensation amount for budget purpose is $10,484.62. The Table no. 1 below shows that summary of project activity and identified project impacts.

**Table no 1 Summary of Project description and identified impacts**

<table>
<thead>
<tr>
<th>Package</th>
<th>Project Activities</th>
<th>Number of affected business</th>
<th>RP status</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNI Package</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Package I</td>
<td>Pipe laying work Territory Main HDEP pipe 142,878 m Secondary Main pipe 38,033 and Primary DI pipe 6,344. The total pipe length is 187,255 meter</td>
<td>302</td>
<td>Submitted updated RP to ADB</td>
</tr>
<tr>
<td>Package II</td>
<td>Pipe laying work Territory Main HDEP pipe 189,443 m Secondary Main pipe 50,128 and Primary DI pipe 10,514. The total pipe length is 213, 159 meter</td>
<td>174</td>
<td>Submitted updated RP to ADB</td>
</tr>
<tr>
<td>Package II</td>
<td>Pipe laying work Territory Main HDEP pipe 5,265 m Secondary Main pipe 44,733 and Primary DI pipe 13,161. The total pipe length is 213, 159 meter</td>
<td>118</td>
<td>Submitted updated RP to ADB</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>594</strong></td>
<td></td>
</tr>
<tr>
<td>BDS Package</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| BDS I     | Construction of three reservoirs Arubari tank 8500 CU.M. Capacity, Mahankal Chaur -2 tank 8000 CU.M. Capacity and New Bansbari tank 9500 CU.M Capacity. The size of pipe varies from 400 mm to 1400 mm. The total length of pipe for this package is 10.043 Km | NO IR Impact Due Diligence Report | DDR is prepared and submitted to ADB
The above table no 2 describes project progress and impact address status. The RP identified certain vendors and vendors that will experience disturbance during civil work. Till the reporting period, the impacts are avoided by good traffic and construction time management.

D.  Compensation and Rehabilitation

Land acquisition activity is not associated under the Loan 2776 for Kathmandu Valley Water Supply Improvement Project. The Land Acquisition Act (LAA) 2034 (1977A.D) sets out compensation standards and benefits such as compensation for lost assets at market value, provision for alternative land and compensation for standing crops and trees. To cover resettlement-related needs of the Project Affected Persons (PAP’s), under Loan 2776, it has prepared a Resettlement Policy Framework (RPF). The policy also ensures benefits to non-titled persons such as encroachers and squatters with appropriate displacement allowances for relocation and income restoration assistance. The Compensation Determination Committee (CDC) headed by Chief District Officer is responsible for evaluation of property and its compensation. The RP
emphasizes that compensation should enable project-affected people to maintain the existing to better standard of living.

RP compensation and mitigation measures include the following:

- Compensation for vendors, business and shops that experience complete closure during pipe lying period. The RP updating of all DNI service area is completed. The RP identified impacts and estimated compensation cost. The AP will submit all legal testimonies (tax paid record, business registration) and receive compensation.

E. Public participation and consultation

The new issue of newsletter has been published. The newsletter has been produced in local Nepali language and disseminate in project related event and meeting. The content of newsletter is project progress and the mechanism of grievance handling. Similarly, the project has prepared five short films that describes the project progress status and situation of water demand in Kathmandu valley. The documentary has become popular and effective means of information dissemination. It also includes the mechanism of grievance handling and current project situation. The films are presented before the opening of each formal and informal community level meetings.

While implementing the RP, an extensive consultation program with project affected people, vendors and land owner was carried out, in line with the requirements pertaining to receive compensation and compensation determination procedure. The public, business owners, affected people and shopkeepers were informed about the possibility of
disruption to the business. The consultation also focused on entitlement matrix of the project and compensation receiving procedure. The tools used for consultations were stakeholder workshops and meetings, interviews, structured questionnaires, and focus group discussions (FGD). These consultations provided inputs for identification of the felt needs of the communities, and the relevant stakeholders. During the consultation the participants put queries about the project implementation methodology, entitlement matrix, documents required to receive compensation, local people support to facilitate project activities and employment opportunities. The project team briefed the information based on the scope of project. The detail of public consultation is presented in below Table no. 3

Table No.3 Public Consultation Matrix

<table>
<thead>
<tr>
<th>Month</th>
<th>No. of Participants</th>
<th>Location</th>
<th>Participants attended</th>
<th>Topic/issues discussed</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>Male: 116 Female: 53</td>
<td>BDS and DNI area</td>
<td>Local vendors, TLO members, local people</td>
<td>Local employment, Compensation for business disruption, quality of works,</td>
<td>Construction time will be less traffic period, priority to local people in job, compensation will be provided</td>
</tr>
<tr>
<td>August</td>
<td>Male: 55 Female: 22</td>
<td>BDS and DNI area</td>
<td>Vendors, TLO members, local people</td>
<td>Quality of Works, Entitlements matrix, construction time</td>
<td>Quality of works will be maintained and disseminated project entitlements, less traffic time</td>
</tr>
<tr>
<td>September</td>
<td>Male: 50 Female: 4</td>
<td>BDS and DNI area</td>
<td>Local people, vendors, TLO members, hawkers</td>
<td>Traffic diversion, business disruption, quality of works</td>
<td>Appropriate diversion and compensation package, quality maintained</td>
</tr>
<tr>
<td>October</td>
<td>Male: 154 Female: 49</td>
<td>BDS and DNI area</td>
<td>TLO members, vendors, local people</td>
<td>Wage discrimination, Compensation package, construction time</td>
<td>No discrimination in wage rate, construction time will be in less traffic period and complete rehabilitation work immediately</td>
</tr>
<tr>
<td>November</td>
<td>Male: 132 Female: 39</td>
<td>BDS and DNI area</td>
<td>TLO members, vendors, local people</td>
<td>Compensation providing authority construction time</td>
<td>Compensation by KUKL, construction time will be in less traffic period and complete rehabilitation work immediately</td>
</tr>
<tr>
<td>December</td>
<td>Male: 134 Female: 43</td>
<td>BDS and DNI area</td>
<td>TLO members, vendors, local people</td>
<td>Entitlements matrix, compensation providing authority construction time</td>
<td>Discussed entitlement matrix, KUKL authority for compensation construction time will be in less traffic period and complete rehabilitation work immediately</td>
</tr>
</tbody>
</table>
F. Grievance Redress Mechanism

A grievance redress mechanism (GRM) has been established to receive, evaluate, and facilitate the resolution of affected people's concerns, complaints, and grievances about the social and environmental performance at the level of the project. The Safeguard officer from PID has been assigned as coordinator for grievance handling. The GRM aims to provide a trusted way to voice and resolve concerns linked to the project, and to be an effective way to address affected people's concerns. During the reporting period only two grievances were filed in project office. The grievances were related to house connection and pipe laying which was settled instantly.

<table>
<thead>
<tr>
<th>Packages</th>
<th>Number</th>
<th>Grievance</th>
<th>Status</th>
<th>Method of settlement</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS I</td>
<td>1</td>
<td>Disturbance in existing house connection</td>
<td>Settled</td>
<td>Through the consultation with local people and immediate action taken by contractor</td>
<td></td>
</tr>
<tr>
<td>BDS II</td>
<td>No</td>
<td></td>
<td>Settled</td>
<td>Through the consultation with local people and immediate action taken by contractor</td>
<td></td>
</tr>
<tr>
<td>BDS III</td>
<td>No</td>
<td></td>
<td>Partially settled</td>
<td>The rehabilitation work immediately settled by contractor and compensation of land is proceed a head</td>
<td></td>
</tr>
<tr>
<td>DNI Package-I</td>
<td>2</td>
<td>Timely road reinstatement, trench management,</td>
<td>Settled</td>
<td>Settled through as per the contractual management of contractor</td>
<td>One is on the process to settle</td>
</tr>
<tr>
<td>DNI Package-II</td>
<td>3</td>
<td>Road reinstatement</td>
<td>Settled</td>
<td>Coordination with local people and stakeholders, site visit and field verification, discussion with TLO members</td>
<td>Among them one is still in process of settlement.</td>
</tr>
<tr>
<td>DNI Package-III</td>
<td>1</td>
<td>Pipe laying and timely road reinstatement</td>
<td>Settled</td>
<td>Coordination with stakeholders and discussion with local people</td>
<td></td>
</tr>
<tr>
<td>Tube-well (Small Package Works)</td>
<td>No</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

G. Institutional Arrangement

PID KUKL entrusted with the responsibilities for planning, design, and implementation of the project. The PID KUKL is also responsible to ensure compliance with safeguard requirements of the Government and ADB.
and for day-to-day monitoring of project progress, including the implementation of resettlement provisions in the project and produce progress report on all aspects concerning to planning, implementation and monitoring of the land acquisition and resettlement issues. Design, Supervision and management Consultant (DSC) have been engaged to carry out the detail design, supervision and management of the projects. The DSC Social Safeguard Specialist is responsible to carry out the social impact assessment issues and to closely work with PID for safeguard implementation. The PID has also engaged Community Awareness and
Participation Consultation (CAPC) to carry out the community mobilization activities. The CAPC is also responsible for the implementation safeguard related activities and RP implementation in field level.

H. Monitoring Results/Finding

Up to the reporting period, the implementation of RP is continuing. The impacts are able avoided by good traffic and time management in construction time. The safeguard team has been working closely with construction supervision team to avoid the adverse impact. The grievances related to social safeguard is treated immediately within the project entitlement framework and the numbers of grievances related to social safeguard are few. Local consultative groups are formed in each DNI and BDS service area to facilitate the project during civil work.

The assessment, monitoring, evaluation and reporting of the resettlement activities will be undertaken by the project. The monitoring and assessment / evaluation of the contractors’ resettlement activities has been carried out by using formats specific to each project and visiting the sites during working hours. The format presents the status of work, problems, mitigation measures adopted by the contractors etc. Such information has been presented in Consultant’s monthly report Environmental and Social Safeguards. Resettlement Plans have been prepared with the entitlements, assistance and benefits, provision of business, institutional arrangements, tasks and responsibilities of the each level of the agencies involved in resettlement planning for the project.

I. Compliance Status

One full time Senior Environmental Officer in PID KUKL has been recruited since the beginning of project. DSC-3 has also mobilized Social Safeguard Specialist from October 2013. The experts for the implementation of RP and monitoring of safeguard activates have been recruited. Covenants written into loan agreement that is related to resettlement safeguard are listed in Table no. 5, with the status of compliances up to the reporting period.

<table>
<thead>
<tr>
<th>Covenant</th>
<th>Safeguard Applicability</th>
<th>Status of Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resettlement: The Borrower, PID,KUKL shall ensure that:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The project involves involuntary resettlement so RP will be prepared based in Resettlement Framework (RF) agreed upon the Borrower and ADB, the borrowers land acquisition act 2034 and ADB's Safeguard Policy Statement (2009)</td>
<td>Directly applicable; compliance with both ADB and GoN requirements</td>
<td>Compiled with</td>
</tr>
<tr>
<td>The RP that has been prepared and agreed by the Borrower ADB shall be updated and provide to ADB for review and clearance following detailed design and prior to civil works contract awarded</td>
<td>The RP has been prepared based on RF and being updated periodically and forwarded to ADB for review</td>
<td>Compiled with;</td>
</tr>
<tr>
<td>All affected persons are given adequate opportunity to participate in the resettlement planning and implementation</td>
<td>Public participation basis for resettlement planning</td>
<td>Complied with</td>
</tr>
<tr>
<td>The RP will be disclosed to the affected persons, who are compensated and assisted prior to displacement from their house, land and assets, before commencement of any works</td>
<td>Required by RF</td>
<td>Complied with</td>
</tr>
<tr>
<td>Additional assistance is provided for vulnerable groups</td>
<td>Required by RF</td>
<td>Complied with</td>
</tr>
<tr>
<td>Works contracts under the project include requirements to</td>
<td>Required by RF</td>
<td>Complied with</td>
</tr>
<tr>
<td>comply with RPs;</td>
<td>Implement of the RP is monitored internally by the PID and reported to ADB semiannually</td>
<td>Include as fundamental aspect of safeguard reporting</td>
</tr>
<tr>
<td>-----------------</td>
<td>----------------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>Affected persons have an opportunity to express grievances at appropriate levels, and each levels are instructed to resolve disputed and implement measures promptly in accordance with the grievance redress process outlined in the RP</td>
<td>Purpose of grievance redress mechanism</td>
<td>Complied with</td>
</tr>
</tbody>
</table>

J. **Follow up Action and Recommendations**

The monitoring of social safeguard activities and implementation of will be continued during the project implementation. The project will involve in following action for the implementation of RP.

- Facilitate for compensation, if the vendors experience complete closer during excavation and pipe lying period from PID KUKL office.
- Facilitate Grievance Handling: It will be facilitated to mobilize project team to address the claims, obstruction and grievances. The team will verify the case related to compensation claims and resettlement close collaboration with project affected families.
- CDC meetings will be organized as required.
- The regular follow up and monitoring of safeguard compliance will be continued. The project team will be involved in monitoring and provide instruction, if, falls to compile the safeguard compliance to contractor
- Consultation and dissemination: It will be conducted regular consultative meeting with project affected people and other stakeholder to overcome the possible social problems and right information dissemination. The consultative meeting will be conducted in each project constructed area and inclusive.
Environment Monitoring

A. Introduction

The environmental monitoring is essential in physical, biological, socio-economic and cultural environment during project construction and operation period. The monitoring of the project evaluates whether or not the project has complied to maintain qualitative standard of water, air and noise as prescribed by environmental laws and regulations. Monitoring is also needed to quantify the degree of impacts on the existing environment by project implementation and it enables to adapt appropriate mitigation measures, minimize detrimental effects on the environment and in particular to human life. Considering this, monitoring of air, water and noise quality of Kathmandu Water Supply Improvement Project area were conducted, which is presently under construction. Thus, a regular and systematic monitoring of Noise level and compliance of EMP are conducted in construction site. The water quality monitoring is not done because of pipe laying work don't contaminated water from any sources. Realizing these facts, some activities were regularly conducted and some are planned to conduct in near future.

B. Objective

The main objective of the environmental tasks is to monitor the activities of KVWSIP during pre-construction, construction and operation phase to ensure that the implementation is carried out in accordance with the Environmental Management Plan (EMP). The objectives are to:

- Monitor the overall project implementation as per Environmental Management Plan beyond each civil work package
- Assess whether mitigation measures and monitoring plan required by the EMP is being implemented, and report accordingly.
- Recommend additional or alternative measures needed to assure that environmentally sensitive areas as per the EMP.
- Monitor social and cultural disharmony in the workforce camp and adjoining area with the involvement of workforce.
- Monitor occupational health and safety measures adopted during civil works
- Provide abatement strategies or control measures.

C. Methodology

The EMP implementation is monitored through regular site visit and using equipments. The compliance of EMP is monitored in each site through day to day visit. The noise level was measured hourly at a single point. Noise level was measured once in the. Only the noise at the time was measured for five minutes. IEC 651 TYPE II sound level meter (calibrated at 94.4 dBA) was used to record the prevailing noise levels. From the obtained sound pressure levels the $L_{avg}$ were calculated.

D. Compliance status of EMP

a. Prior information dissemination: Information campaign is continuing regularly. The project has engaged information campaign at least one week prior to civil works. The prior notice to the community along the stretch and awareness campaigns in coordination with DSC is continuing. The project pamphlets, newsletter, brochure and consultative meetings are major tools for information dissemination. The
construction time, methods, possible disturbances, measures to avoid impacts are key communication
message during consultative meetings.

b. **Maintain access:** To avoid disturbance, each business door and residential house have maintained
access. The people and business have provided access through metal planks or leaving space during pipe
laying.

c. **Traffic management:** Good traffic management is very crucial in urban area to avoid impacts during
pipe lying period. To the extent possible, the works are conducted in night where high traffic and narrow
streets. The information boards are placed in each side of road. Construction yard is closed with ribbon and
poles to avoid the anticipated accident. The disturbance to traffic roads and alternation routes are
broadcasted from traffic F.M. (a radio operated by traffic police) prior and during the construction period.
The full streets are completely avoided during the working time.

d. **Limit trench opening time and length:** Long length of the trench opening is restricted to 50 meter
to avoid impacts. Opened trenches are back filled immediately after lying pipes time. The contractors
comply the works and compacted within the day. Once the compaction is over, then only contractor are
allowed to excavate trench. The length of trench is limited only 50 meter.

e. **Assistance to vendors and hawkers:** During the pipe lying period, where vendors and hawkers
are located in pipeline alignment, the contractors are engaged to assist vendors and hawkers shifting to
alternative location. Each vendors and hawkers are informed earlier and request to shift in nearest
location. Once construction works is complete, the contractor assist them to relocate in previous location
safely.

E. **Overall compliance with EMP Table no: 6**

<table>
<thead>
<tr>
<th>No.</th>
<th>Contract Package</th>
<th>EMP Part of Contract Documents (Y/N)</th>
<th>EMP Being Implemented (Y/N)</th>
<th>Status of Implementation (Excellent/ Satisfactory/ Partially Satisfactory/ Below Satisfactory)</th>
<th>Action Proposed and Additional Measures Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DNI I</td>
<td>Y</td>
<td>Y</td>
<td>Satisfactory</td>
<td>Not required</td>
</tr>
<tr>
<td>2</td>
<td>DNI II</td>
<td>Y</td>
<td>Y</td>
<td>Satisfactory</td>
<td>Not required</td>
</tr>
<tr>
<td>3</td>
<td>DNI III</td>
<td>Y</td>
<td>Y</td>
<td>Satisfactory</td>
<td>Not required</td>
</tr>
<tr>
<td>4</td>
<td>BDS I</td>
<td>Y</td>
<td>Y</td>
<td>Satisfactory</td>
<td>Not required</td>
</tr>
<tr>
<td>5</td>
<td>BDS II</td>
<td>Y</td>
<td>Y</td>
<td>Satisfactory</td>
<td>Not required</td>
</tr>
<tr>
<td>6</td>
<td>BDS III</td>
<td>Y</td>
<td>Y</td>
<td>Satisfactory</td>
<td>Not required</td>
</tr>
</tbody>
</table>

F. **Noise Monitoring**

Noise level monitoring was conducted in selected construction sites in this month. Noise level monitoring
spots were selected on the basis of the noise level variation due to the construction activities at the different
location of construction area. These areas could be at high risk of crossing the prescribed guidelines of
Noise due to the mechanical activities.
Only the noise at the time was measured for five minutes. IEC 651 TYPE II sound level meter (calibrated at 94.4 dBA) was used to record the prevailing noise levels. From the obtained sound pressure levels the $L_{avg}$, $L_{max}$ and $L_{min}$ were calculated.

<table>
<thead>
<tr>
<th>Date of Testing</th>
<th>Construction Package</th>
<th>LAec (dBA)</th>
<th>Monitoring Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-9-15</td>
<td>DNI I</td>
<td>72.39</td>
<td></td>
</tr>
<tr>
<td>2015-9-27</td>
<td>DNI II</td>
<td>72.48</td>
<td></td>
</tr>
<tr>
<td>2015-9-29</td>
<td>DNI III</td>
<td>72.65</td>
<td></td>
</tr>
<tr>
<td>2015-10-14</td>
<td>BDS I</td>
<td>72.55</td>
<td></td>
</tr>
<tr>
<td>2015-10-21</td>
<td>BDS II</td>
<td>73.56</td>
<td></td>
</tr>
<tr>
<td>2015-10-29</td>
<td>BDS III</td>
<td>72.59</td>
<td></td>
</tr>
</tbody>
</table>

Reference Noise level produced by different sources:

- 120 dB = Jet craft take off at a distance of 800 m
- 110 dB = Air craft at 400 ft
- 90 dB = Motor cycle at 25 ft
- 80 dB = Garbage disposal
- 70 dB = City corner
- 60 dB = Conversation Speech
- 50 dB = Typical office
- 40 dB = Living room (without TV)
- 30 dB = Quiet bed room at night

Legal action starts in USA
Protest
Complaints possible
Acceptable

Source: John, Rau, and Winken, 1986
I. EMP Monitoring checklist and status

<table>
<thead>
<tr>
<th>Monitoring checklist from EMP</th>
<th>Mitigation measures (list from IEE Parameters monitored)</th>
<th>Method of monitoring</th>
<th>Location of monitoring</th>
<th>Date of monitoring</th>
<th>Name of person conducted monitoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Health and safety measure</td>
<td>Arrangements of lights, guards, fencing warning signs, caution board, safety caution ribbon/tape</td>
<td>Number of lights, caution board and warning tapes</td>
<td>Site inspection</td>
<td>Construction site</td>
<td>July to Dec 2015</td>
</tr>
<tr>
<td>2. Provision of safety tools</td>
<td>Proper use of safety belt, gumboot, mask, gloves, helmet, jackets with reflectors</td>
<td>Number of safety tools with each workers</td>
<td>Site observation</td>
<td>Construction site</td>
<td>July to Dec 2015</td>
</tr>
<tr>
<td>3. Dust pollution</td>
<td>Sprinkling of water for checking duct</td>
<td>Times of sprinkling water</td>
<td>Site observation and consultation</td>
<td>Construction site</td>
<td>July to Dec 2015</td>
</tr>
<tr>
<td>4. Traffic management</td>
<td>Proper traffic diversion and implementation of traffic management plan</td>
<td>Proper implementation of traffic management plan</td>
<td>Site observation</td>
<td>Construction site</td>
<td>July to Dec 2015</td>
</tr>
<tr>
<td>5. Construction materials</td>
<td>Proper storage of construction materials</td>
<td>Well fencing, blocked and management of materials</td>
<td>Observation of store</td>
<td>Inspection of store</td>
<td>July to Dec 2015</td>
</tr>
<tr>
<td>6. Labor camp</td>
<td>Proper management of labor camp</td>
<td>Facilities of water supply, waste management, separate toilet for male and female workers and</td>
<td>Site inspection</td>
<td>Labor camp</td>
<td>Regular monitoring</td>
</tr>
<tr>
<td>7. Restoration of road</td>
<td>Proper restoration/reinstatement of roads</td>
<td>complaint of vendors, complete of road works</td>
<td>Site inspection and observation</td>
<td>Construction site</td>
<td>Regular monitoring</td>
</tr>
<tr>
<td>8. Protection of public properties</td>
<td>Appropriate measures to protect adjacent properties</td>
<td>Number of properties affected</td>
<td>Site visit and observation</td>
<td>Construct site</td>
<td>Regular</td>
</tr>
</tbody>
</table>
Annex I
Photographs
Community meeting at DNI -9

Rehabilitation of trench after pipe laying completion

Proper information for traverse before construction

Works at night in high traffic roads

Customer crossing through metal planks

Traffic management during construction works
Annex II
Minute of Consultation Meetings
Annex-: Minute of the DNI-2 Community Meetings.
27 Aug 2015

આપણી સૂચિ ૨૦૬૨/૦૫/૧૦ ગારી શિખતા

કાંટોસી ઉપરાખ દ્વારા લિસ્ટમાં કરો કારણે કોઈ વિકાસપૂર્વક વિશ્લેષણ સામર્થ્ય અને અનુભવ કાબુલ કરવા માટે હવે મુખ્યપ્રતિષ્ઠિત હોવા જ જરૂરી છે. હાં, હાં.

આપેલ શિક્ષણ સામર્થ્ય અનુભવમાં કોઇપણ પરિસ્થિતિ વિકાસપૂર્વક પણ તમારા સામર્થ્ય વિકાસપૂર્વક રીતે વાહ્ય ભાષામાં લખવો પણ મત રાખતા હોય. સામર્થ્ય માટે આપણે અભિવૃદ્ધિની શિક્ષણ પ્રક્રિયાનો થતા અભિવૃદ્ધિ માટે કયાલી કયાલી જગાવવા લખવાની સામર્થ્ય અને તેનું માત્ર વર્ણન અને સમજુ કરને જગાવવા જરૂરી છે.

અભિવૃદ્ધિ

નામ: સુશ્રુત

1. પી.ડી. મુંબઈ (M-J) 9841556648
2. આડરીલી (M-J)
3. પસલ (M-O)
4. દિપલોગ્રફ (M-O) 9835033537
5. દિપલોગ્રફ (M-O) 9859197818
6. દિપલોગ્રફ (M-O)
7. પી.ડી. મુંબઈ (M-O) 7861993014
8. પી.ડી. મુંબઈ (M-O) 9803621466
9. ગોટિયા (સેવા ભાગ) 25767435
10. ગોટિયા (સેવા ભાગ) 25767435

સંપર્ક માધ્યમ

આપેલ કારણે આપણી વિકાસપૂર્વક રીતે શિક્ષણ પ્રક્રિયા થાય જ. તેથી, આપણે વિકાસપૂર્વક પ્રક્રિયા થતા અભિવૃદ્ધિને સમાપ્ત કરવા માટે પણ સામર્થ્ય વિકાસપૂર્વક પણ માટે આપણે અભિવૃદ્ધિની શિક્ષણ પ્રક્રિયા પણ માટે જગાવવે જાણવા માટે જગાવવા જરૂરી છે.

અભિવૃદ્ધિ કી જરૂરી?

શિક્ષણ પ્રક્રિયાને વિકાસપૂર્વક રીતે શિક્ષણ પ્રક્રિયા થાય જ. તેથી, આપણે વિકાસપૂર્વક પ્રક્રિયા થતા અભિવૃદ્ધિને સમાપ્ત કરવા માટે પણ સામર્થ્ય વિકાસપૂર્વક પણ માટે આપણે અભિવૃદ્ધિની શિક્ષણ પ્રક્રિયા પણ માટે જગાવવે જાણવા માટે જગાવવા જરૂરી છે.
Annex-: Minute of the DNI-I Community Meetings.
आज मिति २०७२ साल पशु महिना १२ मने सोमबार का दिन मेलम्यो उपाधीयोजना २ आयोजना कार्यालय निर्देशकहरू को वितरण सन्दर्भ सुधार (DNI-३) र खानेपानी टाइल समर्थ विभाग तथा रात्रिगर्म गरिएको पाइप साइन विभागको कार्य र चार्क रेखाले पाइप साइन विभाग तथा Reinstatement सम्बन्धि चलने कायमकम यस टाइल समर्थ विभाग अधिक राजनीतिक गरिएको अवस्थामा गरियो। जसमा तपस्वित ब्यौरे उपाधीय रहेको छ।

उपाधीयाँ:

| क्र.स्र. | नाम/बर | पद | टेलीफोन/ब्रेडा नं. | सम्मक्ष नं. | हलाला
|--------|--------|----|------------------|------------|-------
| ९.७  | गुप्त प्र. सिहा  | सलाहकार |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग | ९८५१००२० |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
| १२     | गुप्त प्र. सिहा  | बाहिज विभाग |              |            |       |
আজকে বৈষ্ঠকা নিম্ন বিষয়ের মধ্যে কাজকর্ম গঠন ও নির্দেশনা গ্রহণ করিয়ে।

১. কাঠামোর মহানগরপালিকা কর্তৃপক্ষের বিভিন্ন কাঠামোর ভারতবর্ষীয় অনুমোদন সরকার হুগলী পুলিশাসান অনুযায়ী প্রয়োজনীয় বিষয়ের সাধারণ প্রচার প্রয়োজন সংগ্রহ করুন। স্থায়ী ও অস্থায়ী কাঠামোর ভারতবর্ষীয় অনুমোদন সরকারের অনুমোদন প্রয়োজন।

নির্দেশ:

১. আজকে বৈষ্ঠকা লেখন করালের বিভিন্ন কাঠামো ভারতবর্ষীয় নিয়ন্ত্রণ কার্যক্ষম হওয়ার জন্য মাত্র প্রয়োজনীয় বিষয় সরকার হুগলী পুলিশাসান অনুযায়ী প্রচার করা প্রয়োজন।

২. বৈষ্ঠকা তদারকিতে উপস্থিত করে সরকারী যোগাযোগ সম্পর্কে বিভিন্ন অংশগুলির মতামত অথবা প্রশ্ন প্রস্তাব দিয়ে দেওয়া যাবে।

৩. নির্দেশিত আকারে পাঠানো হয়েছে সম্পাদন ও নির্দেশনা প্রদানের দলের নাম, বিভাগ, কর্মকর্তা নামকরণ এবং প্রতিষ্ঠানের নাম যেমনঃ Contractor রাখুন।

৪. প্রতিটি নির্দেশনা সরকারী দলের নামকরণ এবং প্রতিষ্ঠানের নামকরণ করুন।

নির্দেশ তালিকায় যোগ দিনের জন্য পাঠানো হয়েছে সম্পাদন ও নির্দেশনা প্রদানের দলের পদার্থ নামকরণ এবং প্রতিষ্ঠানের নাম।
नावाला शिफारस

१. कमीशन को प्रमाणपत्रांतर सुमारे वास्तवमुळे असलेल्या

२. पुन्हा वापर (२०१६-२०१७)वर्षात संकल्प

३. कामाचे रूढाचा राहून ए.वी. अल्टीमेटा-TLO, तीनी मध्ये
प्रवाहिक अनुमोदन व APC कमीशनच्या प्रदर्शनाला प्रवाहित करणे
आहे किंमतीने, त्यामध्ये आपल्या कामाच्या असलेल्या तयारी व तयारी
सज्जे साधनाचे निर्माण करण्यासाठी विशेष दुर्दर्शक हृदयाचा निर्देशन
TLO की प्रवाहिकांसह देखील कामाची साधनाची आपल्यासाठी
संशोधन करून त्यांचा वापर करण्यात होईल. हे ही साधनांचे समावेश
उपर्युक्त व युक्ति, त्यांच्यात वापर करणे अद्यावती होईल.

४. कार्यालय द्वारे विनम्रपणे यादीत लिहिलेल्या कार्यांमध्ये
चित्रात समाहित उपर्युक्त पात्रांचा लिहिलेल्या र मागील निर्देशांचा
कार्य करण्यासाठी राशील बनवणे. या वर्तमानातील प्रश्नात सारख्या
पुन्हा समाप्त करून दिलेल्या निर्देशातम्या, या प्रश्नामुळे कार्यांमध्ये
समाप्त करताना आपल्यासाठी साधनांची सूची कार्यात अद्यावती
पडते. त्यांच्या विशेष कामेचे ठेवणे.
दिनिक 2062/10/31

आज, दिन 2062/10/31 को, काम अ这群 शर्मा जी के अनुशंसा के साथ सहज अनुशंसा आयोजना अयोजना, निकटकालीक वितरण स्थलांक सुधार (DND) - 5 अगस्त के लिए हस्ताक्षर दी गई। पहले वितरण के बाद, यह उनके द्वारा कॉर्पोरेट गार्डियन के रूप में पहुंच गया। आयोजना के दौरान दुर्लभ नियमों का उल्लंघन उन्होंने एक विभिन्न वित्तीय उपकरणों का इस्तेमाल किया।

1। लाल शर्मा जी 6534232543
2। राज शर्मा जी 8521234567
3। विक्रम नायर 7854256789
4। राव कुमार जी 9841027589
5। Praying Heda 9857665544
6। गुरार गोपा 9861254321
7। गुप्ता गोपा 7869875431
8। शिव शर्मा 9820579900
9। शमश 7869442446
10। निजी प्रतिनिधि 9845394567
11। निजी प्रतिनिधि 9843245454
12। निजी प्रतिनिधि 9865645656
13। निजी प्रतिनिधि 9841352103
14। निजी प्रतिनिधि 9857984131
15। निजी प्रतिनिधि 9802057990
16। निजी प्रतिनिधि 9841751175
आज कोटा 2022 साल आजकल 22 वीं श्रेणी के कार्यक्रम समाप्त हुए। इसके साथ आशीषन का आयोजन करते हुए निदेशक ने आशीषन का कार्यक्रम समाप्त करने का निर्देश दिया।

कार्य नाम - विद्यालय सम्पन्न कार्यक्रम

1. हेमन्ता उपाध्याय

2. अशोक गोलान

3. समाजवादी वोकला

4. रोहित अकादमी

5. प्रेमि कुमार

6. आतीत विनायक

7. जयपुरा विनायक

8. विजय शेष

9. अरुण विनायक

10. अमृत विनायक

शिक्षक - डीसी-03

गौतम कुमार धामा

निर्माण के लिए चयन पश्चात् अर्थशास्त्र की समीक्षा निश्चित गरिए ।
<table>
<thead>
<tr>
<th>Home</th>
<th>Name</th>
<th>Address</th>
<th>Contact No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lilu Dak</td>
<td>TLO &amp; KTC staff</td>
<td>510-65-51</td>
</tr>
<tr>
<td>1.</td>
<td>Ali Rama</td>
<td>PO Box 3454</td>
<td>9841097891</td>
</tr>
<tr>
<td>2.</td>
<td>Bipasa Bharti</td>
<td>PO Box 3454</td>
<td>9819390410</td>
</tr>
<tr>
<td>3.</td>
<td>Yogesh Chandra</td>
<td>PO Box 3454</td>
<td>9813767085</td>
</tr>
<tr>
<td>4.</td>
<td>Prakash Rai</td>
<td>PO Box 3454</td>
<td>9846780862</td>
</tr>
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<td>16.</td>
<td>Subhash Rawal</td>
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<td>Hima Lama</td>
<td>Contractor Lama</td>
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<td>Shyam Rokhum</td>
<td>Lama Construction</td>
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- પાઇપલાઇન સંચાલક અને તારક કાર્યકરો સમાધાન પાયલાઇન વીશટાર હાલમાં પુકાર મળે હું મિઝાના અંગે સમાધાન સામે આ પાઇપ લાઇન વીશટાર જાણે નિશ્્ચય આપીને。

- DNI - 6 અનેક પાઇપલાઇન કાર જાણે શું સમાધાન સંગ્રહ કરના કેલ્યાન માટે હાલમાં નિશ્્ચય આપીને।

- પહેલા જિસાં જરિયા ઉપયોગિતા પાઇપલાઇન વીશટાર હું પુત નિશ્્ચય આપે કી કીતી એવી દીકરણ મળે પ્રોટીક્શન આપાયા।

[Signatures]
Annex III
News Letter

Annex: 4

Sample of Grievance registration form

PROJECT IMPLEMENTATION DIRECTORATE
KATHMANDU UPATYAKA KHANEPAANI LIMITED
MELAMCHI SUB PROJECT-2
Grievance registration form

Date of Complain:

1. Name of affected person/community:

2. Contact address:
   - Street/Tole :
   - Village/Municipality :
   - Ward No :
   - Telephone/Mobile No:

3. Grievance/complain in detail:
4. Possible solution of grievance and satisfaction by the affected person/community with date:

Signature: