

# Environmental Monitoring Report

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Semi-Annual Report  
July - December 2014

## India: North Karnataka Urban Sector Investment Program

Prepared by Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC)  
for the Government of India and the Asian Development Bank.

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# *NKUSIP: Semi Annual Report on Safeguards*



**Dec 2014**

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## A MONITORING OF ENVIRONMENTAL SAFEGUARDS OF TRANCHE 1, 2, 3 & 4

The **Monitoring of Environmental Safeguards** of the towns of Tranche 1, 2, 3 & 4 is dictated by the “*Note on Monitoring of Environmental Safeguards*”<sup>1</sup> (See Annexure 1). This is essentially a three stage monitoring reported on a monthly basis by AEE, CSS(PC)<sup>2</sup> & Contractor; ES(PC)<sup>3</sup> and ES(RO)<sup>4</sup>.

The following is the **status of reporting of environmental safeguards**:

- At present, the AEEs (of the respective towns - where the contract packages are in progress) are **submitting** the **daily monitoring sheet**, of the 20 critical parameters on the monthly basis, **regularly**. This is being submitted contractor-wise. See **Annexure 2**: Nov 2014 report of Package 1,2 & 4.
- The ES, RO is now visiting the towns as per the note on monitoring of environmental safeguards and submitting monthly monitoring reports. See Annexure 3: Nov 2014 report of site visits.
- **Three out of four packages** are submitting the **monthly environmental monitoring reports** of their towns in the format prescribed by KUIDFC over the last 6 months. (Belgaum package is now submitting regularly as ES of Bellary is covering the Belgaum Package also)

Further, the environmental safeguards are also appraised in the monthly review package-wise and also town-wise meeting. For example see [http://www.kuidfc.com/WEBSITE/WebPage.nsf/f37b2300a8f98a4d65256e2a002623ee/7ee370b2797c2852652579d9002fc550/\\$FILE/Package%204-Bellary%20Division.pdf](http://www.kuidfc.com/WEBSITE/WebPage.nsf/f37b2300a8f98a4d65256e2a002623ee/7ee370b2797c2852652579d9002fc550/$FILE/Package%204-Bellary%20Division.pdf): Bellary Package - page 5 monitoring of environmental safeguards.

Training is also being conducted on a regular basis to aid the monitoring of environmental safeguards, which is also monitored and reported (See Annexure 2).

<sup>1</sup> Developed by KUIDFC

<sup>2</sup> Construction Supervision Specialist of Project Consultant

<sup>3</sup> Environmental Specialist of Project Consultant

<sup>4</sup> Environmental Specialist of Regional Office, Hubli, KUIDFC

## B STATUS CONSENT FOR ESTABLISHMENT (CFE) OF STP TOWNS

Consultant	Town Name	KSPCB consent for STP			
		received by ULB	received on	validity	Remarks
M/s. DHV India Pvt. Ltd formerly MDP Consultants (P) Ltd., in association with JPS Associates (P) Ltd., Feedback Ventures and Lahmeyer International (India) Pvt.	Bidar	✓	31-Mar-11	3 years	Applied for renewal
	Gulbarga	✓	19-Mar-14	5 years	Renewed on 19.03.2014 for 5 years; earlier CFE was issued on 26.12.2011 for 3 years
	Yadgir	✓	27-Oct-13	1 year	To apply for CFE renewal
M/s. Span Consultants Pvt. Limited	Chamarajanagar	✓	24-Nov-11	3 years	Applied for Renewal, Environmental officer/KSPCB/ Chamarajanagar recommended to KSPCB/ Head office for renewal on 25/11/2014
	Hospet	✓	10-Dec-11	3 years	ULB has applied yet to receive renewal
	Koppal	✓	01-Apr-12	5 years	earlier consent dated 30-Apr-09 for 2 years
	Raichur	✓	20-Jan-10	3 years + 1 year	Applied for Renewal for both the Sites inspected by EO, Raichur, KSPCB on 06/12/2014 and send recommendation to HO, KSPCB on 17/12/2014 for accord CFEs
	Sindhnanur	✓	19-Mar-14	5 years	
	Belgaum	✓	06-Aug-10	NA	
M/s. Span Consultants Pvt. Limited, in association with Ramky Infra Consulting Pvt. Ltd and Ernst & Young Pvt. Ltd	Gokak	✓	17-May-11	3 years + 1 year	Renewal received for one year on 30.12.2014
	Ilkal	✓	19-Feb-11	3 years	1 year extension received upto 18.02.2015
	Jamkhandi	✓	22-Aug-11	3 years	Applied for renewal
	Rabkavi-Banhatti	✓	27-Jun-12	5 years	
	Bijapur	✓	31-Mar-11	3 years	ULB applied for renewal
	Davanegere	✓	09-Aug-12	5 years	
M/s. Wilbur Smith Associates Pvt. Ltd in association with Kirloskar Consultants Limited	Dharwad	✓	23-Jan-13	5 years	
	Haveri	✓	25-Aug-09	3 years	Reapplied
	Hubli-Dharwad	✓	15-Apr-11	3 years	ULB applied for renewal
	Ranebennur	✓	23-Oct-09	3 years	Received letter that extension not required from regional office
Grand Total		19/ 19			

## C COMPLIANCE TO COMMENTS/ SUGGESTIONS BY THE ADB MISSION DURING 30 JUNE 2014 - 4 JULY 2014

General Comments/ Suggestions	Action taken by KUIDFC
1. Submission of semiannual safeguards reports by 15 Jul 2014	Submitted
2. Submission of revised IEEs for packages for Ranebennur and Raichur (Hosur) by 1 Aug 2014	The consultant has resubmitted in Dec 2014. Raichur IEE needs to be revised by the consultant.
3. Consultants. Packages 2 and 3 continue not to have an environmental specialist consultant deployed. This continues to affect environmental performance and needs immediate attention.	ES, PC-Bellary is visiting Belgaum Package; Gulbarga Package yet to deploy ES
4. KUIDFC Staff. KUIDFC has recently appointed one environmental specialist in its Hubli Office in addition to overseeing project staff in HQ (Bangalore). The Mission requested KUIDFC to expedite training and frequent field visits	Training completed in month on July-2014 by ES.
5. Site management plans. The Mission requested again that plans be prepared ensuring the provision of sanitation facilities, appropriate securing of slopes/barricading and health and safety equipment needs further enhancement. Monitoring of air and noise emissions also needs to be initiated, etc.	In Process
6. Consents for establishment (CFE). Although KUIDFC is following up with KSPB clearances, the following new/renewal CFEs are yet to be secured: Raichur, Gokak, Ilkal, Jamkhandi, Bijapur, Haveri, Hubli-Dharwad.	Obtained for Ilkal and Gokak rest are under process.
7. Semiannual Monitoring Reports. Environmental monitoring reports are due to be submitted semiannually in July and December. The last environmental monitoring report was submitted in July 2013. The next one should have been submitted in January 2014, thus a delay of 6 months.	Noted
8. IEEs for new Subprojects. The following subprojects still require submission to ADB of new/updated IEEs: Raichur (Hosur) sewerage, Ranebennur sewerage. Without these and the adequate attachment of EMPs to the contract, the award cannot be pursued	Noted; The consultants have resubmitted in Dec 2014. Raichur IEE needs to be revised by the consultant.

Specific Comments/ Suggestions	
<b>Jamkhandi</b>	
1. To prevent further lake pollution, the Mission suggested the construction of separate washing facilities.	Yet to take action
2. absence of facilities/arrangements for desludging (requiring to bypass the STP and discharging directly to the nullah) and sludge drying. The Mission requested that revisions to the design (and contract variations) be made to rectify this.	In Process
<b>Bijapur</b>	
1. inadequate onsite facilities for staff (laborers camps) would be immediately dismantled in line with contract provisions	Partly complied
2. A sludge management plan is to be prepared and submitted with CFO.	In process
<b>Ilkal</b>	
1. The design of the STP is to be revisited and amended following sludge management recommendations.	In process
2. It was agreed that for safety reasons, (i) the site would be cordoned off with no entrance to public, (ii) no children should be present on site, (iii) temporary facilities should be dismantled and alternative accommodation arranged by the contractor, (iv) housekeeping on site must be significantly improved, (v) provision of occupational health and safety measures immediately introduced.	Complied (partly)

# **ANNEXURE 1**



A  
Note  
on  
Monitoring on Environmental Safeguards  
under NKUSIP

06.06.2013



**Karnataka Urban Infrastructure  
Development and Finance  
Corporation (KUI DFC)**

## 1. INTRODUCTION

North Karnataka Urban Sector Investment Program (NKUSIP) proposes to improve the environmental quality of the urban areas through better urban infrastructure facilities and thus improve living conditions of the urban people.

In the wake of poor infrastructure facilities and services such as water supply, sewerage and sanitation and solid waste management, the risk of infectious diseases through exposure to unhealthy environment runs high, particularly for the urban poor. Hence, the proposed Investment Program aims at minimizing or mitigating the risk and ensures the well-being of people.

The Investment Program's goal is to facilitate economic growth in the towns/cities of North Karnataka and bring about urban development through equitable distribution of urban basic services to the citizens that are environmentally sound and operationally sustainable. To achieve this goal, it is essential that the environmental safeguards are implemented as given in the Initial Environmental Examination (IEE) report and monitoring of the impacts and mitigation measures is essential during the pre-construction, construction and operation phases of the program.

This note details the roles and responsibilities, monitoring and reporting of the various officers/officials involved in the program so as to accomplish environmentally sustainable implementation and operation of the infrastructure projects of NKUSIP.

## 2. INSTITUTIONAL ROLES AND RESPONSIBILITIES

Investment Program Phase	Activity	Details	Responsible Agency
Pre construction phase	Investment Program Categorization	Conduct Rapid Environmental Assessment (REA) for each subcomponents using REA checklists	ULB
		Reviewing the REA and assigning Investment Program category (Ea/Eb/Ec) based on NKUSIP Environmental Assessment Guidelines and ADB Guidelines	PMU
	Conducting EA	Conducting IEE/EIA based on the Investment Program categorization Conducting Public Consultation and information disclosure Preparation of SIEE/SEIA	Investment Program Consultants
	Investment Program clearances	Fulfilling GoK/Gol requirement such as clearances from other Government Agencies	ULB
	Review of EIA/IEE	Reviewing the EIA/IEE and SEIA/SIEE Reports to ensure compliance of the report as per ADB Guidelines and approval of the same	PMU
	Disclosure of SEIA/SIEE	Information disclosure -SIEE/SEIA reports should be made available to the public, and on request IEE/EIA also made available.	ULB
	Incorporation of mitigation measures into Investment Program design	Incorporation of necessary mitigation measures identified in IEE/EIA in Investment Program design and in contract documents.	Investment Program Consultants
	Review of design documents	Review of design and contractual documents for compliance of mitigation measures	PMU
Construction Phase	Implementation of mitigation measures	Implementation of necessary mitigation measures	Contractor
	Environmental Monitoring	Environmental monitoring as specified in monitoring plan during construction stage; monitoring of implementation of mitigation measures	Investment Program Consultants
	Preparation of progress reports	Preparation of monthly progress reports to be submitted to PMU including a section on implementation of the mitigation measures	Investment Program Consultants
	Review of progress reports	PMU to review the progress reports, consolidate and send to ADB review	PMU
Operation Stage	Environmental Monitoring	Conducting environmental monitoring, as specified in the environmental monitoring plan.	ULB
	Compliance Monitoring	Compliance monitoring to review the environmental performance of sub-project component, if required and as specified in Monitoring Plan	KSPCB

### 3. MONITORING BY CSS, CONTRACTOR & AEE (NKUSIP)

CSS, Contractor and AEE will be monitoring the critical environmental safeguards in the format provided as **Box 1**.

Submit report (hard copy and soft copy) before 5<sup>th</sup> of each month for each sub-component project of the town to PC by AEE (NKUSIP).

**Box 1: Monitoring Format**

CITY, Package No. & Name of Work										Month:																						
Description of work ongoing:										Work completed (% to total) :																						
Locations of work ongoing:										Date of Commencement and Completion :																						
DAY - tick (✓) for Complied, x for not applicable and blank for not complied																																
SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Direction boards, warning boards/signs, etc provided																															
2	Safety measures (barricading and warning signs) for Excavated Earth																															
3	Watering for dust mitigation undertaken																															
4	Project Sign Board provided with complete details including contact no.																															
5	Blockage clearance of drains done																															
6	Clearing of Debris to avoid obstruction to vehicles and walking done																															
7	Trenches are opened and filled in the least possible time																															
8	Proper disposal of debris done																															
9	Proper coverage to vehicles while transporting debris provided																															
10	Wetting stockpiles of sand and metals carried out																															
11	Contamination of groundwater / surfacewater is not noticed																															
12	Informed public of work in the area																															
13	Construction work stopped during night and early morning hours																															
14	Access to public and private properties provided																															
15	Alternative Traffic Plan provided especially for vehicles and pedestrians																															
16	No Persons below under the age of 14 employed																															
17	Workers wearing helmets, gloves and boots, etc																															
18	Hardship and inconvenience to public/business grievance received																															

#### 4. MONITORING BY ENVIRONMENTAL SPECIALIST (PC)

Visit each town once in a month and observe the compliance of the EMP against the IEE for each sub-component. The dates of visit to be intimated to PIU/DO/RO/PMU in advance.

Training of officers involved in the project on EMP monitoring as given in IEE or as required.

Submit a report (hard copy and soft copy) to RO office once in a month before 7<sup>th</sup> of each month having the contents as given in **Box 2**.

#### Box 2: Contents for Environmental Safeguards – Monthly Report

##### **Town-wise (2 pages per town)**

Permissions/Consents (list of relevant permits, clearances, etc and status of obtaining these)

Field Visits (sites visited, dates, persons met)

Training (Nature of training, number of participants, date, location, etc.)

Progress of Work (% physical completion)

Design/Location/Preconstruction Stage Monitoring

Construction Stage Monitoring

Operation Stage Monitoring

Occupational Health Risks and Safety Plan for Workers

Redress of Grievances (type of grievance, date, persons, etc.)

##### **Summary and Conclusions per town (1 para/ table)**

Deviations and Corrective Actions Taken (***will include the environmental consultant visit each town once in a month***)

##### **APPENDIX**

Consent

Permissions

Monitoring data (water/waste water)

Photographs (with appropriate captions like date, location, component)

Maps

Filled up Monitoring Sheet received from AEE

Compliance as informed by ED/GM(ADMN)

## **5. MONITORING BY ENVIRONMENTAL SPECIALIST (RO-KUIDFC)**

Visit few towns in each package once in a month and observe the compliance of the EMP as given in the IEE for each sub-component. The dates of visit to be intimated to PIU/DO/RO/PMU in advance.

Training of officers involved in the project on EMP monitoring as given in IEE as required.

Submit consolidated reports once in a month to PMU before 9<sup>th</sup> of each month.

## **6. MONITORING BY ENVIRONMENTAL SPECIALIST (HO-KUIDFC)**

Visit to towns and conduct training as & when required.

Analysis and consolidation of reports submitted by RO.

Submission of reports to ADB.

## **7. MONITORING BY SDO, CD/ R&R(PC), NGO, APEX(NGO) AND OTHER OFFICIALS**

Submit their (individual) site visit reports every month for all towns in their package in the format enclosed as Annexure. It may be note that NGO shall visit the work site every 15 days and submit reports fortnightly. The submission of the reports on a monthly basis by 7<sup>th</sup> of every month to ES, HO shall be the responsibility of CDO, RO, Hubli.

## 8. GOOD PRACTICES FOR DOCUMENTATION

EMP compliance documentation by Environmental Specialists should include the following; these are generally the good practices in other KUIDFC projects.

- Date of visit
- Place of visit and person(s) meet
- Whether mitigation measure being is being complied to, if no, why
- Action taken on non-compliance
- Photograph of environmental safeguards / current situation

## 9. CONCLUSIONS

EMPs provide a critical link between the IEE report required for Bank's appraisal and environmental compliance during project implementation/operation.

Integration of EMP evolving national/state EIA procedures is an elaborate but essential task.

Quality of EMP preparation and its integration into project design and operation has a strong impact on the quality of environmental compliance on the ground.

EMP requirements are legally binding on the construction/installation contractors..., but only when they are part of their agreements.

**Supervision of EMP implementation is an not only an integral part of the Bank's project supervision process but also to attain an environmentally sustainable implementation and operation of the infrastructure developed under NKUSI P.**

## **ANNEXURE 2**



**EMP MONITORING REPORT OF PACKAGE 1 –  
NOV 2014**

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## 1. EMP for Bijapur

### 1.1. Introduction – Bijapur Town

The components taken up for Bijapur are detailed in the following Table.

Package	Sub Project	Physical Completion (%)	Date of Award	Date of Completion	Date of Extensions if any
02 BJR02	Sewerage System (District 1A)	42.4	01.02.2011	31.07.2012 31.07.2014	31.07.2015
02BJR02A	Sewerage System (District 2A) with STP	57.0	01.02.2011	31.07.2012 31.07.2014	31.07.2015
02BJR02B	Sewerage System (District 1B, 2A,2C, 2D& 3A)	67.3	20.04.2011	19.10.2012 19.10.2013 19.04.2014 19.10.2014	Awaiting extension

The Initial Environmental Examination (IEE) Report was approved by ADB in the year 2009. The status of Environmental Management Plan (EMP) for the month of November 2014 is presented in the following sections.

### 1.2. Permissions/Consents/Clearances/Approvals:

Consent/ Clearances / Permissions/ Approval Status (Date of Clearance and completion status)									
Sub Project	KSPCB	Railway	NH	PWD	KPTCL/ HESCOM	Forest	Minor Irrigation	Irrigation*	Labor License
02BJR 02A	Expired on 30-Mar-14; Applied for renewal)	NA	NA	NA	NA	NA	NA	NA	Valid till 31.01.15
02BJR 02B	NA	19.12.12 (2 Crossings)	5.01.12 (5 crossing and 3 along	25.07.11 205 crossings & 62 along	X	NA	NA	NA	Valid till 10.01.15
02 BJR02									Valid till 31.01.15

Note: For details refer Monthly Progress Report November 2014.; NA-Not Applicable; \* for drawal for water from reservoir for demand of year 2041/2044

### 1.3. Field Visits & Training Conducted

Activity	Date	Sites Visited	Persons Met	Remarks
Field Visit	24 <sup>th</sup> November 2014	02 BJR02	NA	Informed that no work going on at any sites.
		02 BJR02A STP site	Mahalingapur, CSS Managooli, RE	Concreting of walls of DG room. No laborers were present at the time of visit.
		02 BJR02B Hamal Colony Pipe laying work	Mahalingapur, CSS Managooli, RE Chauhan, Supervisor	Residential area. Caution board provided at one end only. Caution tape provide at one end but not in a proper way. Debris and excavated materials are piled on both sides of the road, causing inconvenience to the residents

Activity	Date	Sites Visited	Persons Met	Remarks
		Tapal Layout Wet well site	Mahalingapur, CSS Managooli, RE	and pedestrians. No traffic diversion boards have provided. No First aid box available at the work.  Concreting of pumping room. Laborers were not having any PPEs. No main road, residential areas near to the site.

#### 1.4. Compliance to EMP

Particulars	Sub Project	Complied	Compliance to EMP
Design/Location/Preconstruction Stage Monitoring	Sewerage System. & STP	√	Details on EMP page 55 of Initial Environmental Report, October 2009, is made part of Contractor Agreement, viz., Page No. 30-31 (02 BJR 02) Page No. 31-32 (02 BJR 02A); Page No.29-30 (02 BJR 02B)
Construction Stage Monitoring	Sewerage System & STP	√	Contractor's compliance with EMP is monitored by the RE and AEE at NKUSIP Cell on daily basis (Provided in Annexure 1, 2 & 3)
Occupational Health Risks and Safety Plan for Workers	Sewerage System & STP	√	Contractor's compliance with EMP needs to be improved and strengthened. The photographs are enclosed as Attachment 1(b) . Also see Annexure 1,2 & 3. The report on labor camp at STP site is given as Attachment 1(b)

#### 1.5. Compliance to Mitigation Measures – Construction Phase

Impact Description	Significance of the Impact	Mitigation Measures	Compliance (02 BJR02 A)	Compliance (02 BJR02B)
Inconvenience to access business, residential, schools, hospitals, places of worship and other immediate facilities for the public and impact on livelihood due to loss of access to business.	The access for business and other facilities along the proposed sewer laning areas will be disturbed during construction period.	During construction period, planks / makeshift pathways should be provided along the construction areas for the public to access their requirements for residential, shopping and other facilities. Any business losses will be compensated as per the Resettlement Framework. Contractor shall deploy more work force for speedy completion of activities in these areas. Shop keepers will be informed prior to construction along the commercial areas.	NA	Present stretch is not covering any commercial area
Inconvenience to public during pipe laying along thick commercial	Reduced pedestrian and vehicle access to residences and businesses	Construction should be expedited in the least time frame. Activities requiring maximum access control should be done during non-	NA Traffic is diverting where there is a blockage to the road.	Partly Complied Construction are completing in the least time frame.

<b>Impact Description</b>	<b>Significance of the Impact</b>	<b>Mitigation Measures</b>	<b>Compliance (02 BJR02 A)</b>	<b>Compliance (02 BJR02B)</b>
areas and narrow streets; where public facilities are located.		<p>peak hours. Excavation along the road should be done in such a way that entire stretch will not be trenched at a time.</p> <p>Traffic management with diversion through alternate routes will be implemented by providing adequate sign boards. Trenching and pipe laning along the traffic routes will be planned and integrated to avoid retrenching / modifying trench during pipe laning along the same lane.</p> <p>The locations where both drain and sewer lines have to construct, the opportunities for completing construction activities at a time will be sought.</p>		<p>Traffic is diverting where there is a blockage to the road. But traffic diversion boards and barricading are not provided.</p> <p>Inconvenience is causing to the public due to the piling up of debris</p>
Destruction of buildings due to vibration during construction activities.	Permanent destruction of buildings	Buildings of risk will be identified prior to construction and pneumatic drilling will be avoided in these areas.	Complied No damage happened due to the construction activities. Instructed to take identify buildings of risk, before starting the excavation.	Complied No damage happened due to the construction activities. Instructed to take identify buildings of risk, before starting the excavation
Nuisance due to dust and noise; road blocking due to laying of sewer network; and, increased traffic flow due to vehicle movement for construction activities.	Dust generation may be significant as the dry weather condition prevails in the town.	<p>Construction material shall be stockpiled to minimize traffic blockages. In case of excavations for sewer lines in busy streets such as central areas of the town (market area, old town area), adequate arrangements for traffic diversion including prior intimation and by erecting proper sign board shall be provided.</p> <p>Considering the market and dense residential areas in the core town area, preparation of construction site management plan is necessary.</p> <p>Poor performance of the contractor may potentially</p>	NA	<p>Not complied.</p> <p>Adequate hard barricades are not provided at the sites. Sign boards are not provided at all the sites. Construction Materials are stock piled in many places. Management Plan has not prepared.</p>

Impact Description	Significance of the Impact	Mitigation Measures	Compliance (02 BJR02 A)	Compliance (02 BJR02B)
		exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues.		
Noise from construction of STP and lying/ Rehabilitation of sewer network activities.	<p>Sewer network will be laid all over the town including high density areas.</p> <p>As the proposed STP is located away the habitation, as far as laying of sewer network is considered, the dust and noise nuisance may be considerable in the core town area and in all other areas it may be negligible.</p>	<p>Concrete roads where trenching is done through Pneumatic drilling will be providing fencing to avoid noise and air pollution. Construction material shall be stockpiled. Adequate arrangements for traffic diversions including erection of proper sign boards. Dust generation must be arrested by water spraying. Ensure usage of standard equipment to reduce the noise nuisance. Equipment shall comply with the noise levels of construction equipment laid out by the CPCB. High noise generating activities including material unloading shall be avoided during nights. The surrounding people shall be informed, especially in densely populated area, of nature and schedule of the high noise generating activities, if any</p> <p>A construction site management plan shall be prepared. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues.</p>	NA	<p>Complied.</p> <p>Arrangements for traffic diversion are done. No high noise generating machines or vehicles are employed in the work site. No work activities during the night. Construction Management Plan has not prepared.</p>
Improper disposal of		Bituminous waste top be disposed in approved waste	NA	<p>Not Complied.</p> <p>Wastes and debris are</p>



<b>Impact Description</b>	<b>Significance of the Impact</b>	<b>Mitigation Measures</b>	<b>Compliance (02 BJR02 A)</b>	<b>Compliance (02 BJR02B)</b>
Bituminous waste		disposal sites.		depositing at worksite itself
Stockpiling of excavated soil creating dust emission during windy weather and also during transportation for reusing. Plying of lorries transporting soil during peak hours and narrow / heavy traffic routes	Inconvenience for public travel. Chances of accidents for motorists due to dust emission from uncovered lorries. Traffic congestion in narrow / busy corridors	The excavated soil should be removed from construction area at the earliest for beneficial reuse such as land raising / filling of excavated areas. Soil should be covered with tarpaulin sheets during transportation. Soil transportation should not be done during peak hours and should be avoid narrow and heavy traffic routes important religious or tourist sites etc.	NA	Not complied Excavated soil is not removed from the construction site.
Improper handling of excess soil		Excess soil should not be piled up along the construction areas and shall be disposed in low laying areas other than water bodies	NA	Not Complied. Excess soils are not disposing immediately after back filling
Rain / ground water collection in excavated areas.		Trenching and sewer laning should be planned to be completed in seasons other than rainy season. If ground water is collected in trenches, the water should be pumped out and opportunities for channeling to agricultural fields for irrigation should be sought.	Complied. Most of the excavation activities are scheduled during the non-rainy season.	Complied. Most of the excavation activities are scheduled during the non-rainy season.
Economic benefits if local people are employed in Contractor's workforce	Sourcing of local employers will give employment opportunities for local people and also avoid influx of labours from outside and competition for basic resources such as water, shelter, health care etc.	Contractor should employ at least 50% of workforce from local communities.	Complied. Local people are employed wherever possible, especially in sewer pipe laying works	Complied. Local people are employed wherever possible

Impact Description	Significance of the Impact	Mitigation Measures	Compliance (02 BJR02 A)	Compliance (02 BJR02B)
Construction near to protected monuments.	Damage to protected structures.	All necessary and adequate care should be taken to minimize the impact on protected properties If articles such as fabrics, coins, artifacts, structures or other geographically or archaeologically important materials are discovered, the excavation should be stopped and the Archaeological Department should be intimated at the earliest and all the articles received during sewer lining should be handed over to ASI. Bijapur CMC should include the above instruction in the contract document	Complied. None of the present activities are near to any protected monuments.	Complied. None of the present activities are near to any protected monuments.
Risk for workers and public due to accidents at site.		Health and Safety plan should be prepared and implemented at site and workers should be trained for safe working practices, using of machineries and immediate response at emergencies. Construction area should be properly isolated with temporary fencing to avoid accidents to public. Construction workers should be provided with Personnel Protective Equipments and should be made compulsory to wear during working hours.	Not Complied. PPEs are not provided s. Safety measures like barricading, warning boarding, caution tapes are not adequate in all the sites.	Not Complied. PPEs are not provided s. Safety measures like barricading, warning boarding, caution tapes are not adequate in all the sites.
Impact on construction workers during sewer lining along existing sewer / abandoned water supply network with AC pipes.	AC dust can be carcinogenic if inhaled as dust particles	Train all construction personnel in dangers of AC pipes and how to recognize them in situ Develop and apply protocol if AC pipes are encountered. This should include: <ul style="list-style-type: none"> <li>• Immediate reporting of any occurrence to management</li> <li>• Removal of all persons to a safe distance</li> <li>• Use of appropriate</li> </ul>	Complied. AC pipes are not using at any of the work sites.	Complied. AC pipes are not using at any of the work sites.

Impact Description	Significance of the Impact	Mitigation Measures	Compliance (02 BJR02 A)	Compliance (02 BJR02B)
		breathing apparatus and protective suits by workers delegated to deal with AC material <ul style="list-style-type: none"> <li>Safe removal and long-term disposal of AC material</li> </ul>		
Loss of trees during sewer laning.		No tree cutting is envisaged; if any tree cutting required, each tree lost should be replaced with two trees. The plantation should be done at the onset of monsoon immediately after completing the construction along the identified corridor. Saplings should be provided with protective fencing and survival should be ensured by Contractor with monitoring by CMC, Bijapur.	Complied. No tree cutting at any of the on going stretches.	Complied. No tree cutting at any of the on going stretches.
Inconvenience to Tourist due to construction near tourist destinations or main tourist transport corridors	Impact on tourist movement will affect local economy.	Project activities should be planned with due care to avoid tourist seasons.	Complied.	Complied.
Impact on public due to destruction of public utilities such as water pipes, electric / telephone lines etc.		The impacts on utilities will be repaired and restored in the least time frame in with the support of concerned authorities.	NA	Complied. Any destruction or interruption to utilities are restoring on the same day or with least possible delay.

### 1.6. Redress of Grievances

Sub Project	Registers Maintained	No. of Grievances received in the month	Action Taken
Sewerage System -02 BJR 02	Registers were not available for inspection	Nil	NA
Sewerage System - 02 BJR 02A & STP		Nil	NA
Sewerage System - 02 BJR 02B		Nil	NA

### 1.7. Labor Registration

The renewed labor license for 02 BJR 02, 02BJR 02A packages (Form - VI (See Rule 25 (1) are attached as annexure 14 (b) and (c) in monthly report for the month April 2014. The labor license period will expire on

31<sup>st</sup> Jan 2015 for both the packages. The copy of renewed license for 02BJR02B is given as annexure 14 the EMP report for the month March 2014. The validity of the labor license is till 10.01.2015.

### 1.8. Summary and Conclusions

EMP monitoring being done daily (see Annexure 1, 2 & 3) on the critical issues and following improvements/ positive developments are observed.

SI No	Details	Compliance Status
1	Display of IEE Executive Summary in Kannada on Notice Board of NKUSIP Cell office and CMC office	Complied on 22.08.2011
2	KSPCB's CFE Condition (V.7),	Complied on 15.07.2011
3	Letter to Town Planning department informing the KSPCB's CFE Condition (I.3), for maintaining 50- 100 mts buffer zone around the sewage treatment plant area.	Complied on 08.11.2011
4	Road Restoration	Partly complied.

However, the following issues need to be addressed,

SI	Issues/Deviations	Comp. Status	Corrective Actions to be taken
1	Personal Protection Equipment and First Aid kit	Not complied	The respective contractors should be instructed to provide necessary PPEs to all the workers in the site.
2	Barricading and caution Tape	Not fully Complied	Barricading should be compulsorily provided along the road sides and residential lanes.
3	Documentation mechanism of grievances is evolved and entered in the Grievances register and being maintained	To be complied	Grievance register is not maintaining.
4	As per KUIDFC MD's Circular no. KUIDFC/PPD/NKUSIP/R&R/2009-10/1650 dated 07/08/2013, (1) Metal barricading must be compulsorily ensured (2) All the Contractors should have a Health, Safety and Environment Person who must possess at least a diploma or certificate course in Occupational Health and Safety	(1) Partially complied. (2) Not complied	(1) Metal barricading must be provided at all work sites. (2) Contractors should appoint qualified health, Safety and Environment person.

**Attachment 1(a) – Safeguards at STP Site- Bijapur**

	Name of the Official Visited	Jomcy Mathew
	Date of Visit	24 <sup>th</sup> November 2014
A	Is the STP site is cordoned off with no entrance to public ?	Yes
B	Is the temporary facility provided to labours dismantled at the STP Site ?	Partly. All the labor camps are not dismantled.
C	Alternative accommodation arranged by the contractor	No No work going on at STP site. Only construction work of DG room was going on at the time of the visit. .
	If yes, provide location along with photograph	NA
D	If YES to, C, what is the condition of facilities provided to labours.	
	i) Housing	NA
	ii) Water Facilities	NA
	iii) Sanitation facilities	NA
E	Condition of Housekeeping at the STP site	Satisfactory
F	Has the sludge management plan been developed by the design team and approved by CE, NKUSIP	No
	If yes, provide a copy of the sludge management plan	NA
G	Has the plantation been initiated in the STP Site	No
	If Yes/No, give details on what has been initiated or why it has not been initiated	Letter issued to the project managers to contact the forest department for obtaining the seedlings
H	Has air and noise monitoring been initiated under the project (where work is under progress)	No

**Attachment 1 (b) – Bijapur Photographs**

<b>02 BJR 02A STP</b>	
<b>LOCATION : STP Site</b>	<b>Date : 24.11.2014</b>
	
Concreting of DG room. No workers present at the time of visit	
<b>02 BJR 02B Sewerage</b>	
<b>LOCATION : Hamal Colony</b>	<b>Date : 24.11.2014</b>
	
Caution tape provided but not in proper way	Piled up debris causing inconvenience to public
<b>LOCATION : Tapal Layout</b>	<b>Date : 24.11.2014</b>
	
Workers without any PPEs	Workers without any PPEs

## 2. EMP for Gadag- Betageri

### 2.1. Introduction – Gadag- Betageri Town

The components taken up for Gadag-Betageri are detailed in the following Table.

Package	Sub Project	Physical Completion (%)	Date of Award	Date of Completion	Date of Extensions if any
03GDG01	Water Supply	38.0 %	23.11.2013	23.08.2015	NA
03GDG01A	Water Supply with WTP	51.0 %	17.10.2012	17.07.2014	Awaiting extension

The Initial Environmental Examination (IEE) Report was approved by ADB in the year 2012. The status of Environmental Management Plan (EMP) for the month of November 2014 is presented in the following sections.

### 2.2. Permissions/Consents/Clearances/Approvals:

Sub Project	Consent/Clearances/ Permissions/ Approval Status (Date of Clearance and completion status)								
	KSPC B	Railway	NH	PWD	KPTCL / HESCOM	Forest	Minor Irrigation	Irrigation*	Labor License
03GDG01	NA	NA	30-Nov-2011 (3.4 km)	02.03.2012	31.12.2011	NA	NA	NA	Copy not Submitted
03GDG01A								29.01.2011 (50 MLD) 16.11.2011 – Jack well	Copy not submitted

Note: For details refer Monthly Progress Report November 2014.; NA-Not Applicable; \* for withdrawal for water from reservoir for demand of year 2041/2044

### 2.3. Field Visits & Training Conducted

Activity	Date	Sites Visited	Persons Met	Remarks
Field Visit	25 <sup>th</sup> November 2014	03GDG01 Dhambal IPS Sidewall fabrication for Raw Water Sump	Despandey RE, CSS	There were no laborers at the time of visit. The excavations were not protected by barricades or caution tapes. Instructions were given in previous visits also for adequate protection around the excavations, but not complied. No First aid box available at the work site.
		03GDG01A WTP Earthwork at aerator.	Despande, RE Sandeep, PM Ramesh, Site Engr	No major construction works going on. Only few laborers present. Not all the laborers are having PPEs. No fencing/ barricading provided for the excavations.
		Papanasini Pipe laying	Despande, RE Sandeep, PM	Trenching is in progress, on the side of the highway. No warning board / traffic

Activity	Date	Sites Visited	Persons Met	Remarks
			Ramesh, Site Engr	diversion board has given. No barricade / caution tape along the trenches. Workers are not having any PPEs and no first aid kit available at the excavators.

#### 2.4. Compliance to EMP

Particulars	Sub Project	Complied	Compliance to EMP
Design/Location/Preconstruction Stage Monitoring	Water Supply	Complied	Letters have been issued by the Municipal Commissioner and Executive Engineer to the contractors incorporating the EMP guidelines into the contract clauses. Copies of the letters are attached as Annexure in the December 2013 EMP monitoring report.
Construction Stage Monitoring	Water Supply	Complied	Contractor's compliance with EMP is monitored by the RE and AEE at NKUSIP Cell on daily basis (Provided in Annexure 4 & 5)
Occupational Health Risks and Safety Plan for Workers	Water Supply	Complied	Contractor complying with EMP but need to be improved. The photographs are enclosed as Attachment 2a and 2b. Also see Appendix 4 & 5.



**2.5. Compliance to Mitigation Measures – Construction Phase**

Field	Anticipated Impact	Mitigation Measures	Compliance of Mitigation Measures	
			03GDG01	03GDG01 A
Sources of Materials	Extraction of rocks and material may cause ground instability	(i) Use quarry sites and sources permitted by government; (ii) Verify suitability of all material sources and obtain approval of Investment PMU; (iii) If additional quarries will be required after construction has started, obtain written approval from PMU; and; (iv) Submit to CSS on a monthly basis documentation of sources of materials.	Complied. Monthly report on sources of materials is not submitted.	Complied. Monthly report on sources of materials is not submitted.
Air Quality	Emissions from construction vehicles, equipment, and machinery used for excavation and construction resulting to dusts and increase in concentration of vehicle-related pollutants such as carbon monoxide, sulfur oxides, particulate matter, nitrous oxides, and hydrocarbons)	(i) Consult with PMU/CSS on the designated areas for stockpiling of clay, soils, gravel, and other construction materials; (iii) Damp down exposed soil and any stockpiled on site by spraying with water when necessary during dry weather; (iv) Use tarpaulins to cover sand and other loose material when transported by trucks; (v) Fit all heavy equipment and machinery with air pollution control devices which are operating correctly.	Not complied. Designated areas of stock piling has not identified Excess soils are not back filled at all the places, even after the pipe laying is complete.	Complied. Excess soils are back filled after the pipe laying is complete.
Surface water quality	Mobilization of settled silt materials, run-off from stockpiled materials, and chemical contamination from fuels and lubricants during construction works can contaminate nearby surface water	(i) Avoid stockpiling of earth fill especially during the monsoon season unless covered by tarpaulins or plastic sheets; (ii) Prioritize re-use of excess spoils and materials in the construction works. If spoils will be disposed, consult with PMU/CSS on designated disposal areas; (iii) Install temporary silt traps or sedimentation basins along the drainage leading to the water bodies; (iv) Place storage areas for fuels and lubricants away	Complied. Debris are not reaching the water body. No fuels or lubricants are keeping near the water bodies.	Complied. Debris are not reaching the water body. No fuels or lubricants are keeping near the water bodies.

	quality.	from any drainage leading to water bodies; (v) Dispose any wastes generated by construction activities in designated sites; (vi) Conduct surface quality inspection according to the Environmental Management Plan (EMP).		
Noise Levels	Increase in noise level due to earth-moving and excavation equipment, and the transportation of equipment, materials, and people	(i) Plan activities in consultation with PMU/CSS so that activities with the greatest potential to generate noise are conducted during periods of the day which will result in least disturbance; (ii) Horns should not be used unless it is necessary to warn other road users or animals of the vehicle's approach; (iii) Minimize noise from construction equipment by using vehicle silencers, fitting jackhammers with noise-reducing mufflers, and portable street barriers the sound impact to surrounding sensitive receptor; and (iv) Maintain maximum sound levels not exceeding 80 decibels (dbA) when measured at a distance of 10 m or more from the vehicle/s.	Complied. No heavy noise making vehicles / machinery are using in the site.	Complied. Present construction works are not near to any populated area or sensitive area. No heavy noise making vehicles / machinery are using in the site.
Existing Infrastructure and Facilities	Disruption of service and damage to existing infrastructure at specified project location	(i) Obtain from PMU/CSS the list of affected utilities and operators if any; (ii) Prepare a contingency plan to include actions to be done in case of unintentional interruption	Complied. The damages to the utilities are repairing on the same day or earliest possible.	Complied. The damages to the utilities are repairing on the same day or earliest possible.
Pollution of river water due to piling for intake well and jack well and spillage of construction material.	The slurry produced during piling and the construction wastes shall cause heavy pollution of water and intake points in the downstream will suffer.	The slurry produced during piling should be allowed to settle in a temporary cofferdam and the supernatant released into the river while the slurry should be properly disposed off to landfill sites.	Slurry or debris are not entering the water body	Slurry or debris are not entering the water body

Landscape and Aesthetics	Solid wastes as well as excess construction materials	(i) Prepare and implement Waste Management Plan; (ii) Avoid stockpiling of excess excavated soils; (ii) Coordinate with CMC/PWD for beneficial uses of excess excavated soils or immediately dispose to designated areas; (iv) Recover used oil and lubricants and reuse or remove from the sites; (v) Manage solid waste according to the following preference hierarchy: reuse, recycling and disposal to designated areas; (vi) Remove all wreckage, rubbish; and (vii) Request PMU/CSS to report in writing that the necessary environmental restoration work has been adequately performed before acceptance of work.	Not complied Waste Management Plan not prepared. Excess soils are left in the site itself. No lubricants or oil are kept in the work site.	Not complied Waste Management Plan not prepared. Excess soils are left in the site itself. No lubricants or oil are kept in the work site.
Land use	Environmental Issues due to Land use change	Since the new WTP is to be constructed near the existing GLSR at Singatarayanakere, environmental issues will be negligible. it is in the same land of existing GLSR .The impact due to change in land use will be negligible since only small area is involved	Complied  No damage to surrounding environment due to the construction work.	Complied  No damage to surrounding environment due to the construction work.
Accessibility	Traffic problems and conflicts near project locations and haul road	(i) Plan transportation routes so that heavy vehicles do not use narrow local roads, except in the immediate vicinity of delivery sites; (ii) Schedule transport and hauling activities during non-peak hours; (iii) Locate entry and exit points in areas where there is low potential for traffic congestion; (iv) Keep the site free from all unnecessary obstructions; (v) Drive vehicles in a considerate manner; (vi) Coordinate with Traffic Police for temporary road diversions and with for provision of traffic aids if transportation activities cannot be avoided during peak hours; and (vii) Notify affected sensitive receptors by providing sign boards informing nature and duration of construction works and contact numbers for concerns/complaints.	Partly Complied. The present stretches and the roads are wide enough so that trenching work can be performed without affecting the traffic. But traffic is affecting partly during the pipe laying work as the crane for placing the pipe is operating from the road. Adequate diversion / caution boards, flag person and barricade are not provided.	Partly Complied. The present stretches and the roads are wide enough so that trenching work can be performed without affecting the traffic. But traffic is affecting partly during the pipe laying work as the crane for placing the pipe is operating from the road. Adequate diversion / caution boards, flag person and barricade are not provided.

Socio-Economic – Income.	Impede the access of residents and customers to nearby shops	(i) Leave spaces for access between mounds of soil; (ii) Provide walkways and metal sheets where required for people; (iii) Increase workforce in front of critical areas such as institutions, place of worship, business establishment, hospitals, and schools; (iv) Consult businesses and institutions regarding operating hours and factoring this in work schedules; and (v) Provide sign boards for pedestrians to inform nature and duration of construction works and contact numbers for concerns/complaints	Complied. The stretch, where work is in progress now, is not any market area or busy roads, hence the accessibility is not affected.	Complied. The stretch, where work is in progress now, is not any market area or busy roads, hence the accessibility is not affected.
Socio-Economic - Employment	Generation of contractual employment and increase in local revenue	(i) Employ at least 50% of the labour force, or to the maximum extent, local persons within the 2-km immediate area if manpower is available; and (ii) Secure construction materials from local market.	Complied. Only a few laborers are employed now and some of them are local people	Complied. Only a few laborers are employed now and some of them are local people
Occupational Health and Safety	Occupational hazards which can arise during work	(i) Develop and implement site-specific Health and Safety (H&S) Plan which will include measures such as: (a) excluding public from the site; (b) ensuring all workers are provided with and use Personal Protective Equipment like helmet, gumboot, safety belt, gloves, nose musk and ear plugs; (c) H&S Training for all site personnel; (d) documented procedures to be followed for all site activities; and (e) documentation of work-related accidents; (ii) Ensure that qualified first-aid can be provided at all times. Equipped first-aid stations shall be easily accessible throughout the site; (iii) Provide medical insurance coverage for workers; (iv) Secure all installations from unauthorized intrusion and accident risks; (v) Provide supplies of potable drinking water; (vi) Provide clean eating areas where workers are not exposed to hazardous or noxious substances; (vii) Provide H&S orientation training to all new workers to ensure that they are apprised of the basic	Not complied Laborers are not having proper PPEs	Not complied Laborers are not having proper PPEs

		<p>site rules of work at the site, personal protective protection, and preventing injuring to fellow workers;</p> <p>(viii) Provide visitor orientation if visitors to the site can gain access to areas where hazardous conditions or substances may be present. Ensure also that visitor/s do not enter hazard areas unescorted;</p> <p>(ix) Ensure the visibility of workers through their use of high visibility vests when working in or walking through heavy equipment operating areas;</p> <p>(x) Ensure moving equipment is outfitted with audible back-up alarms;</p> <p>(xi) Mark and provide sign boards for hazardous areas such as energized electrical devices and lines, service rooms housing high voltage equipment, and areas for storage and disposal. Signage shall be in accordance with international standards and be well known to, and easily understood by workers, visitors, and the general public as appropriate; and</p> <p>(xii) Disallow worker exposure to noise level greater than 85 dBA for a duration of more than 8 hours per day without hearing protection. The use of hearing protection shall be enforced actively.</p>		
Community Health and Safety.	Traffic accidents and vehicle collision with pedestrians during material and waste transportation	<p>(i) Plan routes to avoid times of peak-pedestrian activities.</p> <p>(ii) Liaise with PMU/CSS in identifying high-risk areas on route cards/maps.</p> <p>(iii) Maintain regularly the vehicles and use of manufacturer-approved parts to minimize potentially serious accidents caused by equipment malfunction or premature failure.</p> <p>(iv) Provide road signs and flag persons to warn.</p>	Partly complied No sign boards or warning provided. Traffic is affecting partly	Partly complied No sign boards or warning provided. Traffic is affecting partly
Work Camps	Temporary air and noise pollution from machine operation, water pollution from storage and use of fuels, oils, solvents, and	<p>(i) Consult with PMU/CSS before locating project offices, sheds, and construction plants;</p> <p>(ii) Minimize removal of vegetation and disallow cutting of trees;</p> <p>(iii) Provide water and sanitation facilities for employees;</p>	Only a few laborers are employed at present and they are accommodated in rented house.	Only a few laborers are employed at present and they are accommodated in rented house.

	lubricants	(iv) Prohibit employees from poaching wildlife and cutting of trees for firewood; (v) Train employees in the storage and handling of materials which can potentially cause soil contamination; (vi) Recover used oil and lubricants and reuse or remove from the site; (vii) Manage solid waste according to the following preference hierarchy: reuse, recycling and disposal to designated areas; (viii) Remove all wreckage, rubbish, or temporary structures (such as buildings, shelters, and latrines) which are no longer required; and (ix) Request PMU/CSS to report in writing that the camp has been vacated and restored to pre-project conditions before acceptance of work.		
Social and Cultural Resources	Risk of archaeological chance finds	(i) Strictly follow the protocol for chance finds in any excavation work; (ii) Request PMU/CSS or any authorized person with archaeological field training to observe excavation; (iii) Stop work immediately to allow further investigation if any finds are suspected; and (iv) Inform PMU/CSS if a find is suspected, and take any action they require ensuring its removal or protection in situ.	Complied. No archaeological sites are present along the stretch where work is in progress now.	Complied. No archaeological sites are present along the stretch where work is in progress now.

**2.6. Redress of Grievances**

Sub Project	Registers Maintained	No. of Grievances received in the month	Action Taken
03GDG01 – Water Supply	Register was not available for inspection	0	NA
03GDG01A – Water Supply		0	NA

**2.7. Labor Registration**

The contractors for both the packages (03 GDG 01, 03 GDG 01A), yet to submit the labor licenses.

**2.8. Summary and Conclusions**

Daily EMP monitoring has started on the critical issues and are the major positive observations.

SI	Details	Compliance Status
1	Display of IEE Executive Summary in Kannada on Notice Board of NKUSIP Cell office and CMC office	Yet to be displayed
2	KSPCB's CFE Condition (V.7),	Not Applicable

However, the following issues need to be addressed,

SI	Issues/Deviations	Comp. Status	Corrective Actions to be taken
1	Safety Aspects	Not complied	03 GDG 01 and 03 GDG 01 A The safety measures like barricading, diversion boards and warning signs should be improved in both projects. The respective contractors should be ensured that adequate number of PPEs are
2	Labor License	Not complied	Labor license yet to submit
3	Documentation mechanism of grievances is evolved and entered in the Grievances register and being maintained	Not Complied	Have to maintain grievance register for both packages
4	As per KUIDFC MD's Circular no. KUIDFC/PPD/NKUSIP/R&R/2009-10/1650 dated 07/08/2013, (1) Metal barricading must be compulsorily ensured (2) All the Contractors should have a Health, Safety and Environment Person who must possess at least a diploma or certificate course in Occupational Health and Safety	(1) Partially complied. (2) Not complied	(1) Metal barricading must be provided at all work sites. (2) 03 GDG 01 – appointed a safety engineer. 03 GDG 01 A – no safety engineer

**Attachment 2 – Gadag – Betageri Photographs**

**03 GDG 01 Water Supply**

**LOCATION: IPS, Dhambal**

**Date: 25-11-2014**



Excavation at the sites without barricading or fencing

**03 GDG 01A Water Supply with STP**

**LOCATION: Papanasini**

**Date: 25-11-2014**



Pipes laid on the road without any fencing or warning boards

**LOCATION: WTP**

**Date: 25-11-2014**



Caution tape provided around the excavation site



### 3. EMP for Hubli-Dharwad

#### 3.1. Introduction – Hubli - Dharwad

The components taken up for Hubli are detailed in the following Table.

Package	Sub Project	Physical Completion	Date of Award	Date of Completion	Extensions if any
02 HUB02	Sewer Trunk Main (Zone 2)	96.0 %	10.03.2011	09.09.2012 12.01.2014; 12.06.2014	December 2014
02 HUB 02A	Sewer Trunk Main (Zone 1 & 3)	97.0 %	10.03.2011	09.09.2012 31.01.2014 31.05.2014	Awaiting Extension
02 HUB 02B	STP	97.0 %	16.03.2011	02.05.2013 01.05.2014	Awaiting Extension
03 DWD 02	Sewerage System (District 6& 10)	67.0 %	31.08.2012	28.02.2014 30.08.2014	Awaiting Extension
03 DWD 02A	STP	23.0 %	31.08.2012	28.02.2014 30.08.2014	Awaiting Extension

The Initial Environmental Examination (IEE) Report was approved by ADB in the year 2009 (Hubli) and 2011 (Dharwad). The status of Environmental Management Plan (EMP) for the month of November 2014 is presented in the following sections.

#### 3.2. Permissions/Consents/Clearances/Approvals:

Sub Project	Consent/ Clearances/ Permissions/ Approval Status (Date of Clearance and completion status)								
	KSPCB	Railways	NH	PWD	KPTCL / HESCOM	Forest	Minor Irrigation	Irrigation*	Labor License
02 HUB02	NA	Applied on 18.06.11 for three crossings. Two received.	7 across and 4 along, 3 crossings cleared	Approved for 11 across and 5 along (3 across completed)	NA	NA	NA	NA	Expired on 13.09.2014
02 HUB 02A	NA				NA	NA	NA	NA	Expired on 13.09.2014
02 HUB 02B	(Validity expired on 14.04.14 Expired. Have to apply for CFO)				Applied & registered	NA	NA	NA	Expired on 02.05.2014
03 DWD 02		NA	NA	Applied with DD 05.10.12 (4 along)	ND	NA	NA	NA	Expired on 31.07.2014
03 DWD 02A	Valid till 22.01.18)	NA	NA	NA	NA	NA	NA	NA	Valid till 31.03.2015

Note: For details refer Monthly Progress Report November 2014.; NA-Not Applicable; \* for drawal for water from reservoir for demand of year 2041/2044

**3.3. Field Visits & Training Conducted**

Activity	Date	Sites Visited	Persons Met	Remarks
Field Visit	28 <sup>th</sup> November 2014	02 HUB 02 Gabbur bypass cross Trenchless pipe laying works	Sekarayya, RE; Ajmal, Site Supervisor	Trenchless pipe laying in progress across National highway. No warning board has been provided. Workers are not having any Personal Protection Equipments (PPEs). First aid kit is also not available at site. No proper labor camp was set, instructions were given during previous site visit to provide basic amenities like sanitation and safe drinking water has not complied yet.
		Gabbur Village Trunk main laying	Sekarayya, RE;	No protection measures like barricades or caution tape provided around the trenching site. First aid box not kept in hygiene condition. No PPE provided for the workers.
		02 HUB 02A	No site visit	Informed that, no work is going on under this package
		02 HUB 02B STP Site	SV Patil, RE;	STP is in the finishing stage. Staff quarters building work is in progress. Not all the workers were wearing PPEs. First aid box was available at site. The trees planted for the green belt require to be water regularly. It was noticed that many of them already dried and wilted due to the dry weather and low soil moisture content. .
Field Visit	28 <sup>th</sup> November 2014	03 DWD 02 Kamalapur Double Road Pipe laying work	Vinayak, RE Bhavani, Site Engineer	No warning board has provided. It was found that trenching is doing outside the barricaded areas also, and vehicles were passing on the side of the unprotected trenches. First aid box available at the excavator but not complete. Workers were having PPEs.
		Sub Jail Road, Integration of existing network	Vinayak, RE Ashish, Site Engineer	Work in progress in residential area. The access to some of the houses are completely blocked. No warning board has given. Workers were having PPEs.
		Koikere Pump House Construction of	Mahesh Uppar, CSS Vinayak, RE	No work in progress at the time of visit. Adequate barricades and

Activity	Date	Sites Visited	Persons Met	Remarks
		pump house.	Satheesh Kumar, Contractor	caution tapes have provided around the excavation sites.
		03 DWD 02A STP	Mallikarjuna, RE Thripadi, Supervisor	Not all the workers were having the PPEs. Adequate barricade/ Caution tape has provided around the excavation site. Repeated instructions to provide sanitation facilities for the labor camp not complied.

### 3.4. Compliance to EMP

Particulars	Sub Project	Complied	Compliance to EMP
Design/Location/ Preconstruction Stage Monitoring	Sewerage System. & STP	√	Hubli: Details on EMP page 46 of Initial Environmental Report, October 2009, is made part of Contractor Agreement, viz., Page No. 43-44 (02 HUB 02), Page No. 46-47 (02 HUB 02A) Page No.417-418 (02 HUB 02B)
		√	Dharwad : EMP has been given to the Municipal commissioner for issuing to the Contractors (03 DWD 02 and 03 DWD 02A).as addendum to the Contracts
Construction Stage Monitoring	Sewerage System & STP	√	Contractor's compliance with EMP is monitored by the CSS and AEE at NKUSIP Cell on daily basis (Provided in Annexure 6, 7, 8, 9 & 10.
Occupational Health Risks and Safety Plan for Workers	Sewerage System & STP	√	Contractor complying with EMP. The photographs are enclosed as Attachment 3 (c) and 3 (d). Also see Annexure 6, 7, 8, 9 & 10. The report on the safeguards at STP site is given as Attachment 3 (a) and 3 (b)

**3.5. Compliance to mitigation measures – Hubli - Construction Phase**

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			02HUB02	02HUB02B
Inconvenience to access business, residential, schools, hospitals, places of worship and other immediate facilities for the public and impact on livelihood due to loss of access to business.	M/T  The access for business and other facilities along the proposed sewer laning areas will be disturbed during construction period.	During construction period, planks / makeshift pathways should be provided along the construction areas for the public to access their requirements for residential, shopping and other facilities. Any business losses will be compensated as per the Resettlement Framework. Contractor shall deploy more work forces for speedy completion of activities in these areas. Shop keepers will be informed prior to construction along the commercial areas	Complied. Present stretch is not passing through any commercial areas or residential area	NA
Inconvenience to public during sewer laying along thick commercial areas and narrow streets; where public facilities are located.	M/T  Reduced pedestrian and vehicle access to residences and businesses	Construction should be expedited in the least time frame. Activities requiring maximum access control should be done during non-peak hours. Excavation along the road should be done in such a way that entire stretch will not be trenched at a time Traffic Management with a diversion through alternate routes will be implemented by providing adequate sign boards Trenching and pipe laning along the traffic routes will be planned and integrated to avoid trenching / modifying trench during the pipe laning along the same trench.	Partly Complied. Traffic diversion is not providing at narrow roads and busy areas.  Adequate warning boards and signs are not provided	NA
Air and Noise from construction of STP and laying / rehabilitation of Sewer network activities	Sewer network will be laid all over the town including high density areas. As the proposed STP is	Concrete roads where trenching is done through pneumatic drilling will be providing fencing to avoid air and noise pollution. Construction material shall be stockpiled.	Not Complied Fencing is not provided at all the excavation sites. Construction Site	Partly Complied No major construction works that causing air and noise pollution is taking place at STP site.

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			02HUB02	02HUB02B
	located away from the habitation, as far as laying of sewer network is considered, the dust and noise nuisance may be considerable in the core town area and in all other areas it may be negligible.	Adequate arrangements for traffic diversions including erection of proper sign boards are to be done. Dust generation must be arrested by water spraying. Ensure usage of standard equipment to reduce the noise nuisance. Equipment shall comply with the noise levels of construction equipment laid out by the CPCB. High noise generating activities including material unloading shall be avoided during nights. The surrounding people shall be informed especially in densely populated areas of nature and schedule of high noise generating activities if any. A Construction site Management plan shall be prepared. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues.	Management Plan has not been not prepared.	
Improper disposal of Bituminous waste	M/P	Bituminous waste to be disposed in approved waste disposal sites.	Complied. Bituminous wastes are disposing at pre-identified areas.	NA
Stock piling of excavated soil creating dust emission during windy weather, and also during transportation for re using. Plying of lorries transporting soil during peak hours and narrow heavy traffic routes	Inconvenience for public travel. Chances of accident for motorists due to dust emission from uncovered lorries. Traffic congestion in	The excavated soil should be removed from construction area at the earliest for beneficial reuse such as land raising / filling of excavated area. Soil should be covered with tarpaulin sheets during transportation. Soil transportation should not be done	Complied. The excess soil is transporting immediately after the back filling. Soil transportation is doing during non-peak	NA

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			02HUB02	02HUB02B
	narrow, busy roads.	during peak hours and should be avoid narrow and heavy traffic routes, important religious or tourist sites etc.	hours only	
Improper handling of excess soil	N/T	Excess soil should not be piled up along the construction areas and shall be disposed in low laying areas other than water bodies	Complied. Excess soils are disposing at pre-identified sites only.	Complied Excess soils are using at construction site itself.
Rain / ground water collection in excavated areas.	M/T	Trenching and sewer laning should be planned to be completed in seasons other than rainy season. If ground water is collected in trenches, the water should be pumped out and opportunities for channeling to agricultural fields for irrigation should be sought.	Complied Most of the sewer network activities are planned for non-rainy season	NA
Economic benefits if local people are employed in Contractor's workforce	M/T Sourcing of local employers will give employment opportunities for local people and also avoid influx of labors from outside and competition for basic resources such as water, shelter, health care etc.	Contractor should employ at least 50% of workforce from local communities.	Partly Complied Local People are employed where possible	Partly Complied Local People are employed where possible
Construction along the areas near to protected monuments.	M/P Damage to protected structures.	All necessary and adequate care should be taken to minimize the impact on protected properties If articles such as fabrics, coins, artifacts, structures or other geographically or archaeologically important materials are discovered, the excavation should be stopped and the Archaeological Department should be intimated at the earliest and all the articles received during sewer laning	Complied There is no protected monuments along the current stretch.	NA

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			02HUB02	02HUB02B
		should be handed over to ASI. HD MC should include the above instruction in the contract document		
Risk for workers and public due to accidents at site.	M/T	Health and Safety plan should be prepared and implemented at site and workers should be trained for safe working practices, using of machineries and immediate response at emergencies. Construction area should be properly isolated with temporary fencing to avoid accidents to public. Construction workers should be provided with Personnel Protective Equipments and should be made compulsory to wear during working hours.	Not Complied. Workers are not given adequate PPEs in all the sites	Complied. Workers are given adequate PPEs .
Loss of trees during sewer laning.	N/P	No tree cutting is envisaged; each tree lost should be replaced with two trees. The plantation should be done at the onset of monsoon immediately after completing the construction along the identified corridor. Saplings should be provided with protective fencing and survival should be ensured by Contractor with monitoring by HDMC.	Complied There is no tree cutting along the current stretch of the sewer lines.	NA
Impact on construction workers during sewer laning along existing sewer / abandoned water supply network with AC pipes.	S/T AC dust can be carcinogenic if inhaled as dust particles	Train all construction personnel in dangers of AC pipes and how to recognize them in situ Develop and apply protocol if AC pipes are encountered. This should include: • Immediate reporting of any occurrence to management • Removal of all persons to a safe distance • Use of appropriate breathing apparatus and protective suits by workers delegated to deal with AC material Safe removal and	Complied, No AC pipes are used in this sub project.	Complied, No AC pipes are used

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			02HUB02	02HUB02B
		long term disposal of AC material		
Inconvenience to Tourist due to construction near tourist destinations or main tourist transport corridors	M/T Impact on tourist Movement will affect Local economy.	Project activities should be planned with due care to avoid tourist seasons.	Complied	Complied
Impact on public due to destruction of public utilities such as water pipes, electric / telephone lines etc.	M/T	The impacts on utilities will be repaired and restored in the least time frame in with the support of concerned authorities.	Complied. Any breakage / disturbance to the public utilities are attending and repairing on the same day or at the earliest possible.	NA

### 3.6. Compliance to mitigation measures – Dharwad - Construction Phase

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			03DWD02	03DWD02A
Inconvenience to access business, residential, schools, hospitals, places of worship and other immediate facilities for the public and impact on livelihood due to loss of access to business.	The access for business and other facilities along the proposed sewer laning areas will be disturbed during construction period.	During construction period, planks / makeshift pathways should be provided along the construction areas for the public to access their requirements for residential, shopping and other facilities. Any business losses will be compensated as per the Resettlement Framework. Contractor shall deploy more work forces for speedy completion of activities in these areas. Shop keepers will be informed prior to construction along the commercial areas	Complied. Planks and makeshift pathways are not provided. Shop keepers are informing in advance, before starting the work.	Not Applicable
Inconvenience to public during sewer laying along thick commercial areas and narrow streets; where public facilities are located.	Reduced pedestrian and vehicle access to residences and businesses	Construction should be expedited in the least time frame. Activities requiring maximum access control should be done during non-peak hours. Excavation along the road should be done in such a way that entire stretch will not be trenched at a time	Complied. Traffic diversion is providing at narrow roads and busy areas.	Not Applicable



Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			03DWD02	03DWD02A
		Traffic Management with a diversion through alternate routes will be implemented by providing adequate sign boards Trenching and pipe laning along the traffic routes will be planned and integrated to avoid trenching / modifying trench during the pipe laning along the same trench.		
Destruction of buildings due to vibration during construction activities.	Permanent destruction of buildings	Buildings of risk will be identified prior to construction and pneumatic drilling will be avoided in these areas.	Complied No buildings of risk are identified along the current stretch.	Complied No buildings of risk near the construction site.
Nuisance due to dust and noise; road blocking due to laying of sewer network; and, increased traffic flow due to vehicle movement for construction activities.	Dust generation may be significant as the dry weather condition prevails in the town.	Construction material shall be stockpiled to minimize traffic blockages. In case of excavations for sewer lines in busy streets such as central areas of the town (market area, old town area), adequate arrangements for traffic diversion including prior intimation and by erecting proper sign board shall be provided. Considering the market and dense residential areas in the core town area, preparation of construction site management plan is necessary. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues	Complied. Traffic diversion is doing in busy roads. Barricades, sign boards are provided. Construction materials are transporting during non-peak hours only. No construction management plan prepared.	Complied Construction materials are transporting during non-peak hours only.
Air and Noise from construction of STP and laying / rehabilitation of Sewer network activities	Sewer network will be laid all over the town including high density areas. As the proposed STP is located away from the habitation, as far as laying of sewer network	Concrete roads where trenching is done through pneumatic drilling will be providing fencing to avoid air and noise pollution. Construction material shall be stockpiled. Adequate arrangements for traffic diversions including erection of proper sign boards are to be done. Dust generation must be arrested by water	Complied Fencing is providing at excavation sites.  CPCB norms are complying Construction Site Management Plan	Complied.  STP site is far from town and habitations

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			03DWD02	03DWD02A
	is considered, the dust and noise nuisance may be considerable in the core town area and in all other areas it may be negligible.	spraying. Ensure usage of standard equipment to reduce the noise nuisance. Equipment shall comply with the noise levels of construction equipment laid out by the CPCB. High noise generating activities including material unloading shall be avoided during nights. The surrounding people shall be informed especially in densely populated areas of nature and schedule of high noise generating activities if any. A Construction site Management plan shall be prepared. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues.	has not prepared.	
Improper disposal of Bituminous waste	M/P	Bituminous waste to be disposed in approved waste disposal sites.	Bituminous wastes are disposing at pre-identified areas.	Not applicable
Stock piling of excavated soil creating dust emission during windy weather, and also during transportation for re using. Plying of lorries transporting soil during peak hours and narrow heavy traffic routes	Inconvenience for public travel. Chances of accident for motorists due to dust emission from uncovered lorries. Traffic congestion in narrow, busy roads.	The excavated soil should be removed from construction area at the earliest for beneficial reuse such as land raising / filling of excavated area. Soil should be covered with tarpaulin sheets during transportation. Soil transportation should not be done during peak hours and should be avoid narrow and heavy traffic routes, important religious or tourist sites etc.	Complied. The excess soil is transporting immediately after the back filling. Soil transportation is doing during non-peak hours only	Complied The excess soils are using in the construction site it self.
Improper handling of excess soil	N/T	Excess soil should not be piled up along the construction areas and shall be disposed in low laying areas other than water bodies	Complied. Excess soils are disposing at pre-identified sites only.	Complied The excess soils are using in the construction site itself.

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			03DWD02	03DWD02A
Rain / ground water collection in excavated areas.	M/T	Trenching and sewer laning should be planned to be completed in seasons other than rainy season. If ground water is collected in trenches, the water should be pumped out and opportunities for channeling to agricultural fields for irrigation should be sought.	Complied Most of the sewer network activities are planned for non-rainy season	Complied
Economic benefits if local people are employed in Contractor's workforce	M/T Sourcing of local employers will give employment opportunities for local people and also avoid influx of labours from outside and competition for basic resources such as water, shelter, health care etc.	Contractor should employ at least 50% of workforce from local communities.	Complied Local people are employed as far as possible	Complied Local people are employed as far as possible
Construction along the areas near to protected monuments.	M/P Damage to protected structures.	All necessary and adequate care should be taken to minimize the impact on protected properties. If articles such as fabrics, coins, artifacts, structures or other geographically or archaeologically important materials are discovered, the excavation should be stopped and the Archaeological Department should be intimated at the earliest and all the articles received during sewer laning should be handed over to ASI. HD MC should include the above instruction in the contract document	Complied There is no protected monuments along the current stretch.	Complied No protected monuments near to the construction site.
Risk for workers and public due to accidents at site.	M/T	Health and Safety plan should be prepared and implemented at site and workers should be trained for safe working practices, using of machineries and immediate response at	Complied.	Complied

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			03DWD02	03DWD02A
		emergencies. Construction area should be properly isolated with temporary fencing to avoid accidents to public. Construction workers should be provided with Personnel Protective Equipments and should be made compulsory to wear during working hours.		
Loss of trees during sewer laning.	N/P	No tree cutting is envisaged; each tree lost should be replaced with two trees. The plantation should be done at the onset of monsoon immediately after completing the construction along the identified corridor. Saplings should be provided with protective fencing and survival should be ensured by Contractor with monitoring by HDMC.	Complied There is no tree cutting along the current stretch of the sewer lines.	Not Applicable
Impact on construction workers during sewer laning along existing sewer / abandoned water supply network with AC pipes.	S/T AC dust can be carcinogenic if inhaled as dust particles	Train all construction personnel in dangers of AC pipes and how to recognize them in situ Develop and apply protocol if AC pipes are encountered. This should include: <ul style="list-style-type: none"> <li>• Immediate reporting of any occurrence to management</li> <li>• Removal of all persons to a safe distance</li> <li>• Use of appropriate breathing apparatus and protective suits by workers delegated to deal with AC material</li> </ul> Safe removal and long term disposal of AC material	Complied, No AC pipes are used in this sub project.	Complied, No AC pipes are used in this sub project.
Inconvenience to Tourist due to construction near tourist destinations or main tourist transport corridors	M/T Impact on tourist movement will affect local economy.	Project activities should be planned with due care to avoid tourist seasons.	Complied	Not Applicable

Impact Description	Significance of the Impact	Mitigation Measures	Compliance of Mitigation Measures	
			03DWD02	03DWD02A
Impact on public due to destruction of public utilities such as water pipes, electric / telephone lines etc.	M/T	The impacts on utilities will be repaired and restored in the least time frame in with the support of concerned authorities.	Complied. Any breakage / disturbance to the public utilities are attending and repairing on the same day or at the earliest possible.	Not Applicable

**3.7. Redress of Grievances**

Sub Project	Registers Maintained	No. of Grievances received in the month	Action Taken
02 HUB 02	Registers were not available for inspection	0	NA
02 HUB 02A		0	NA
02 HUB 02B		0	NA
03 DWD 02		0	NA
03 DWD 02A		0	NA

**3.8. Labor Registration**

The validity of for 02HUB02 and 02HUB02A are expired on 13.09.2014. The contractor has to renew the labor license. The validity of labor license for 02 HUB 02 B has expired on 02.05.2014, during the pervious visits, it was instructed for renewal of the labor license, but not yet done. The validity of labor license for Dharwad Package (03 DWD 02) has expired on 31.07.2014, instructed to renew it. The labor license for package (03 DWD 02A) have extended up to 31.03.2015.

**3.9. Summary and Conclusions**

EMP monitoring being done daily (see Annexure 5, 6, 7, 8 & 9) on the critical issues and following improvements/ positive developments are observed.

SI	Details	Compliance Status
1	Display of Hubli IEE Executive Summary in Kannada on Notice Board of NKUSIP Cell office and CMC office	Complied
2	KSPCB's CFE Condition (V.7)	Complied
3	As per the KSPCB's CFE Condition (3), there shall not be any complaints against the Corporation from surrounding public, and vide I.8, the City Corporation shall take measure to develop green belt in the periphery.	EE, NKUSIP Cell vide their letter dated 24.10.2011 had submitted an application to Commissioner, HDUDA for earmarking 500 m as Buffer zone around STP.
4	Documentation mechanism of grievances by opening the Grievances register	Complied for Hubli & Dharwad Packages
5	Renewal of Labor License	Complied
7	Display of Dharwad IEE Executive Summary in Kannada on Notice Board of NKUSIP Cell office and CMC office	Complied

**Issues to be addressed:** However, the following issues need to be addressed.

SI	Issues/Deviations	Compliance	Corrective Actions to be taken
1	Safety measures (Helmets, barricades, caution board and First aid kits) should be ensured at all the sites mandatorily.	Partially complied	Contractor should ensure adequate safety measures at all the work sites..
2	As per KUIDFC MD's Circular no. KUIDFC/PPD/NKUSIP/R&R/2009-10/1650 dated 07/08/2013, (1) Metal barricading must be compulsorily ensured (2) All the Contractors should have a Health, Safety and Environment Person who must possess at least a diploma or certificate course in Occupational Health and Safety	(1) Partially complied. (2) Not complied	(1) Metal barricading must be provided at all work sites. (2) Gaurav Murey, site engineer for the package 02 DWD 02 A is an Environmental Engineer. In the other packages both at Dharwad and Hubli, qualified persons as per the order has to be recruited.

**Attachment 3 (a) – Safeguards at STP Site- Hubli**

	Name of the Official Visited	Jomcy Mathew
	Date of Visit	28 <sup>th</sup> November 2014
A	Is the STP site is cordoned off with no entrance to public ?	Yes
B	Is the temporary facility provided to labours dismantled at the STP Site ?	Yes
C	Alternative accommodation arranged by the contractor	The workers have been shifted to the office building of the Contractor
	If yes, provide location along with photograph	The office building is situated at the STP Site
D	If YES to, C, what is the condition of facilities provided to labours.	
	iv) Housing	Satisfactory
	v) Water Facilities	Satisfactory
	vi) Sanitation facilities	Satisfactory
E	Condition of Housekeeping at the STP site	Satisfactory
F	Has the sludge management plan been developed by the design team and approved by CE, NKUSIP	No
	If yes, provide a copy of the sludge management plan	NA
G	Has the plantation been initiated in the STP Site	Yes
	If Yes/No, give details on what has been initiated or why it has not been initiated	2400 trees have been planted along the compound wall at three sides of the STP. Front side tree plantation will be carried out after the construction of compound wall there.
H	Has air and noise monitoring been initiated under the project (where work is under progress)	No

**Attachment 3(b) – Safeguards at STP Site- Dharwad**

	Name of the Official Visited	Jomcy Mathew
	Date of Visit	28 <sup>h</sup> November 2014
A	Is the STP site is cordoned off with no entrance to public ?	Yes
B	Is the temporary facility provided to labours dismantled at the STP Site ?	Yes
C	Alternative accommodation arranged by the contractor	Yes
	If yes, provide location along with photograph	
D	If YES to, C, what is the condition of facilities provided to labours.	
	vii) Housing	Satisfactory
	viii) Water Facilities	Satisfactory
	ix) Sanitation facilities	Not provided;
E	Condition of Housekeeping at the STP site	Satisfactory
F	Has the sludge management plan been developed by the design team and approved by CE, NKUSIP	No
	If yes, provide a copy of the sludge management plan	NA
G	Has the plantation been initiated in the STP Site	No
	If Yes/No, give details on what has been initiated or why it has not been initiated	Letter issued to the project managers to contact the forest department for obtaining the seedlings. Tree plantation can be carried out only after the completion of construction works at site.
H	Has air and noise monitoring been initiated under the project (where work is under progress)	No



**Attachment 3(c) – Hubli Photographs**

**Package – 02 HUB 02**

**Location: Gabbur Highway Cross Trenchless Work**

**Date: 28.11.2014**



No barricade provided around the trench



Labour camp without basic amenities

**Location: Gabbur Village**

**Date: 28.11.2014**



Excavation sites without any board/barricade or safety measures

**Package – 02 HUB 02B**

**Location: STP Site**

**Date: 28.11.2014**



STP work nearing completion



Trees planted along the STP boundary as green belt



**Attachment 3(d) – Dharwad Photographs**

<b>Package – 03 DWD 02 Sewerage System</b>	
<b>Location: Kamalapur Double Road</b>	<b>Date: 28.11.2014</b>
	
Warning board and Caution Tape provided	Hard barricade or caution tape not provided
<b>Location: Sub Jail Road</b>	<b>Date: 28.11.2014</b>
	
No warning board has given. Access to houses affected.	
<b>Location: Kolikere Pump House</b>	<b>Date: 28.11.2014</b>
	
Hard barricade, caution boards and fencing provided around the excavation site	
<b>Package – 03 DWD 02A STP</b>	
<b>Location: STP</b>	<b>Date: 28.11.2014</b>
	
Not all the laoburers are having PPEs like boots and gloves.	

## 4. EMP for Haveri Town

### 4.1. Introduction – Haveri Town

The components taken up for Haveri are detailed in the following Table.

Package	Sub Project	Physical Completion	Date of Award	Date of Completion	Date of Extensions if any	
01 HVR 01	Water Supply	98.2 %	19.12.2009	18.06.2011	30.04.2013	Extended up to 30.09.14
01HVR 02	Sewerage System, Urban Drain & STP	79.34 % 82.00 % 36.22 %	19.12.2009	18.06.2011	30.06.2013	Extended up to 31.10.13

The Initial Environmental Examination (IEE) Report was approved by ADB in the year 2009. The status of Environmental Management Plan (EMP) for the month of November 2014 is presented in the following sections

### 4.2. Permissions/Consents/Clearances/Approvals:

Consent/ Clearances/ Permissions / Approval Status (Date of Clearance and completion status)								
Sub Project	KSPCB	Railways	PWD	KPTCL / HESCOM	Forest	Minor Irrigation	Irrigation*	Labor License
Water Supply	NA	18.05.11 Completed	19.02.11 Completed	19.12.10 Completed	18.06.11	01.01.09	NA	To be obtained
UGD & STP	CFE expired on 24.08.12. Renewed up to 24.08.2013 Requested for extension (Copy attached along with EMP Report December 2013)	17.09.2010 One completed and other awaited for clearance	19.02.2011 One out of three completed	01.07.2010	NA	NA	NA	To be obtained

Note: For details refer Monthly Progress Report November 2014. NA-Not Applicable; \* for withdrawal for water from reservoir for demand of year 2041/2044

### 4.3. Field Visits & Training Conducted

Activity	Date	Sites Visited	Persons Met	Remarks
Field Visit	Not visited	Nil	Nil	Currently no work is going on.
		Nil	Nil	Currently no work is going on. The Contractor (Gautham Jahnavi Constructions) has demobilized without completing the works.

**4.4. Compliance to EMP**

Particulars	Sub Project	Complied	Compliance to EMP
Design/Location/ Preconstruction Stage Monitoring	Water Supply	√	Details on EMP page 57 of Initial Environmental Report, March 2009, is made part of Contractor Agreement Page No.76 & 77
	Sewerage System, STP & Storm Water drain	√	Details on EMP page 55 of Initial Environmental Report, March 2009, is made part of Contractor Agreement Page No. 81 & 82
Construction Stage Monitoring	Water Supply	√	Contractor's compliance with EMP is monitored by the CSS and AEE at NKUSIP Cell on daily basis (Provided in Annexure 11)
	Sewerage System, STP & Storm Water drain	√	Contractor's compliance with EMP is monitored by the CSS and AEE at NKUSIP Cell on daily basis (Provided in Annexure 12)
Occupational Health Risks and Safety Plan for Workers	Water Supply	√	Currently no work is going on.
	Sewerage System, STP & Storm Water drain	√	Currently no work is going on. The report on safeguard measurers at STP site is given as Attachment 4

**4.5. Redress of Grievances**

Sub Project	Registers Maintained	No. of Grievances received in the month	Action Taken
Sewerage System & STP	Nil	Nil	N.A
Water Supply	Nil	Nil	N.A

**4.6. Labor Registration**

The license period is completed and accordingly informed the Contractors to provide the new license. The Contractor for 01 HVR 01 (Water Supply) has almost completed the works. Contractor for 01 HVR 02(UGD & STP) has demobilized without completing the works.

**4.7. Summary and Conclusions**

EMP monitoring being done daily (see Annexure 1& 2) on the critical issues and following improvements/ positive developments are observed.

SI	Details	Compliance Status
1	Display of IEE Executive Summary in Kannada on Notice Board of NKUSIP Cell office and CMC office	Complied
2	KSPCB's CFE Condition (V.7)	Complied
3	CFE issued by KSPCB for three years Validity expired on 24 Aug 2012	Renewed up to 24.08.2013 (Expired) Request submitted to KSPCB for renewal and KSPCB team visited the site.
4	Road restoration	Contractor has demobilized. The CMC is doing the remaining road restoration works. 4.04 km is pending.

However, the following issues need to be addressed.

SI	Issues/Deviations	Compliance	Corrective Actions to be taken
1	As per the KSPCB's CFE Condition (I.3), the ULB shall maintain 500 mts buffer zone around STP area (I.7).	Yet to be complied.	Vide letter no. AEE/NKUSIP/HV/STP/2013-14/100 dated 24.06.2013, the AEE, NKUSIP Cell has requested the Town Planning department for earmarking no development zone around the STP site.

2	Name of contact person with phone number to be included in project information board.	Yet to be complied.	For UGD, STP and Urban Drainage, the Contractor has demobilized. For water supply, the work has been completed (98.2%).
3.	Safety measures, First Aid Kits, barricading, Project Information board etc. needs to be provided	Partially complied	For UGD, STP and Urban Drainage, the Contractor has demobilized. For water supply, the work has been completed (98.2%).
4.	Labor License	Not complied	For UGD, STP and Urban Drainage, the Contractor has demobilized. For water supply, the work has been completed (98.2%).
5	As per KUIDFC MD's Circular no. KUIDFC/PPD/NKUSIP/R&R/2009-10/1650 dated 07/08/2013, (1) Metal barricading must be compulsorily ensured (2) All the Contractors should have a Health, Safety and Environment Person who must possess at least a diploma or certificate course in Occupational Health and Safety	(1) Partially complied (2) Not complied	(1) Metal barricading must be provided at all work sites. (2) Contractors should appoint qualified health, Safety and Environment person.

**Attachment 4 – Safeguards at STP Site- Haveri**

	Name of the Official Visited	No visit in this month
	Date of Visit	Not Visited as there is no work going on
A	Is the STP site is cordoned off with no entrance to public ?	Yes
B	Is the temporary facility provided to labours dismantled at the STP Site ?	No work going on. No laborers present
C	Alternative accommodation arranged by the contractor	NA
	If yes, provide location along with photograph	NA
D	If YES to, C, what is the condition of facilities provided to labours.	
	x) Housing	NA
	xi) Water Facilities	NA
	xii) Sanitation facilities	NA
E	Condition of Housekeeping at the STP site	NA
F	Has the sludge management plan been developed by the design team and approved by CE, NKUSIP	No
	If yes, provide a copy of the sludge management plan	NA
G	Has the plantation been initiated in the STP Site	No
	If Yes/No, give details on what has been initiated or why it has not been initiated	Letter issued to the project managers to contact the forest department for obtaining the seedlings
H	Has air and noise monitoring been initiated under the project (where work is under progress)	No

## 5. EMP for Ranebennur Town

### 5.1. Introduction – Ranebennur Town

The components taken up for Ranebennur are detailed in the following Table.

Package	Sub Project	Physical Completion (%)	Date of Award	Date of Completion	Date of Extensions if any	
02 RNR02	Sewerage System & STP	90 %	23.06.2010	22.12.2011	20.06.2013 20.12.2013 20.06.2014	20.12.2014

The Initial Environmental Examination (IEE) Report was approved by ADB in the year 2009. The status of Environmental Management Plan (EMP) for the month of November 2014 is presented in the following sections.

### 5.2. Permissions/Consents/Clearances/Approvals:

Consent/ Clearances/ Permissions/ Approval Status (Date of Clearance and completion status)								
Sub Project	KSPCB	Railways	PWD	KPTCL / HESCOM	Forest	Minor Irrigation	Irrigation*	Labor License
02 RNR02	Expired on 22.10.12. KSPCB has informed that renewal is not required since the STP is almost completed ( Copy attached in EMP report December 2013)	08.09.2010 All three Completed	17.02.2011 Five numbers completed (2 nos. Deleted)	20.01.11 (Power sanction) 23.02.11- UG cables	NA	NA	NA	Valid till 14.06.2015

*Note: For details refer Monthly Progress Report November 2014.; NA-Not Applicable; \* for withdrawal for water from reservoir for demand of year 2041/2044*

### 5.3. Field Visits & Training Conducted

Activity	Date	Sites Visited	Persons Met	Remarks
Field Visit	26 <sup>th</sup> November 2014	02RNR02 Railway Track Micro Tunneling	Sekhar Hadimani, CSS Kashinath, RE	No laborers at the time of visit. Hard barricade provide around the trench. But no proper shelter provided for the workers.

		STP site Dewatering	Sekhar Hadimani, CSS Kashinath, RE Satheesh Babu, Site Engineer	No construction work in progress. Only dewatering work. Workers were having PPEs.
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#### 5.4. Compliance to EMP

Particulars	Sub Project	Complied	Compliance to EMP
Design/ Location/ Preconstruction Stage Monitoring	Sewerage System. & STP	√	Details on EMP page 49 of Initial Environmental Report, October 2009, is made part of Contractor Agreement Page No. 41 & 42
Construction Stage Monitoring	Sewerage System & STP	√	Contractor's compliance with EMP is monitored by the CSS and AEE at NKUSIP Cell on daily basis (Provided in Annexure 13)
Occupational Health Risks and Safety Plan for Workers	Sewerage System & STP	√	Contractor complying with EMP. The photographs are enclosed as Attachment 5(b). Also see Annexure 13. The report on the safe guard measures at STP site is given as Attachment 5(a)



### 5.5. Compliance to Mitigation Measures

Field	Anticipated Impact	Mitigation Measures	Compliance of Mitigation Measures
Inconvenience to access business, residential, schools, hospitals, places of worship and other immediate facilities for the public and impact on livelihood due to loss of access to business.	The access for business and other Facilities along the Proposed sewer laning areas will be Disturbed during construction period.	During construction period, planks / makeshift pathways should be provided along the construction areas for the public to access their requirements for residential, shopping and other facilities. Any business losses will be compensated as per the Resettlement Framework. Contractor shall deploy more work force for speedy completion of activities in these areas. Shop keepers will be informed prior to construction along the commercial areas	Complied. Present stretch is not passing through any business, commercial or residential area.
Destruction of buildings due to vibration during Construction activities.	Permanent destruction of buildings.	Buildings of risk will be identified prior to construction and pneumatic drilling will be avoided in these areas.	Complied. No building of risk identified in the current stretch.
Inconvenience to public during sewer laying along thick commercial areas and narrow streets; where public facilities are located	Reduced pedestrian and vehicle access to residences and businesses	Construction should be expedited in the least time frame. Activities requiring maximum access control should be done during non peak hours. Excavation along the road should be done in such a way that entire stretch will not be trenched at a time. Traffic management with diversion through alternate routes will be implemented by providing adequate sign boards. Trenching and pipe laning along the traffic routes will be planned and integrated to avoid retrenching / modifying trench during pipe laning along the same lane	Complied. Traffic diversion / management is provided where ever necessary. On busy roads, the work is expediting at the shortest time interval.
Nuisance due to dust and noise; road blocking due to laying of sewer network; and, increased traffic flow due to vehicle movement for construction activities.	Dust generation may be significant as the dry weather condition prevails in the town.	Construction material shall be stockpiled to minimize traffic blockages. In case of excavations for sewer lines in busy streets such as central areas of the town (market area, old town area), adequate arrangements for traffic diversion including prior intimation and by erecting proper sign board shall be provided. Considering the market and dense residential areas in the core town area, preparation of construction site management plan is necessary. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction	Complied. Traffic diversions are doing wherever necessary. Construction materials are providing during non-peak hours only. Construction Site Management plan is not prepared.

		site management plan, which will address these issues.	
Air and noise from construction of STP and lying/ rehabilitation of sewer network activities.	Sewer network will be laid all over the town including high density areas. As the proposed STP is located away The habitation, as far as laying of sewer network is considered, the dust and noise nuisance may be considerable in the core town area and in all other areas it may be negligible.	Concrete roads where trenching is done through Pneumatic drilling will be providing fencing to avoid noise and air pollution. Construction material shall be stockpiled. Adequate arrangements for traffic diversions including erection of proper sign boards. Dust generation must be arrested by water spraying. Ensure usage of standard equipment to reduce the noise nuisance. Equipment shall comply with the noise levels of construction equipment laid out by the CPCB. High noise generating activities including material unloading shall be avoided during nights. The surrounding people shall be informed, especially in densely populated area, of nature and schedule of the high noise generating activities, if any A construction site management plan shall be prepared. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues.	Complied. No construction activity going on at the STP site.
Improper disposal of Bituminous waste		Bituminous waste top be disposed in approved waste disposal sites.	Complied. Bituminous wastes are disposing at pre-identified sites.
Stockpiling of excavated soil creating dust emission during windy weather and also during transportation for reusing. Plying of lorries transporting soil during peak hours and narrow / heavy traffic routes	Inconvenience e for public travel. Chances of accidents for motorists due to dust emission from Uncovered lorries. Traffic congestion in narrow / busy corridors	The excavated soil should be removed from construction area at the earliest for beneficial reuse such as land raising / filling of excavated areas. Soil should be covered with tarpaulin sheets during transportation. Soil transportation should not be done during peak hours and should be avoid narrow and heavy traffic routes and important religious or tourist sites etc.	Complied. Excess excavated soils are removing from the site, soon after the back filling of the trenches. Soils are transporting only during non peak hours.
Improper handling of excess soil		Excess soil should not be piled up along the construction areas and shall be disposed in low laying areas other than water bodies	Complied. Excess soils are transporting soon after the back filling. There is no water bodies along the current stretch.

Rain / ground water collection in excavated areas.		Trenching and sewer lining should be planned to be completed in seasons other than rainy season. If ground water is collected in trenches, the water should be pumped out and opportunities for channeling to agricultural fields for irrigation should be sought.	Complied. Most of the trenching activities are scheduled for non-rainy season.
Economic benefits if local people are employed in Contractor's workforce	Sourcing of local Employers will give employment opportunities for local people and also avoid influx of labours from outside and competition for basic resources such as water, shelter, health care etc.	Contractor should employ at least 50% of workforce from local communities.	Complied. All the laborers for the trenching and pipe laying work are local laborers.
Finding of any archeologically /geographically important materials during construction.		If articles such as fabrics, coins, artifacts, structures or other geographically or archaeologically important materials are discovered, the excavation should be stopped and the Archaeological Department should be intimated at the earliest and all the articles received during sewer lining should be handed over to ASI. Ranebennur CMC should include the above instruction in the contract document	Complied. No archeological sites present along the current stretch.
Risk for workers and public due to accidents at site.		Health and Safety plan should be prepared and implemented at site and workers should be trained for safe working practices, using of machineries and immediate response at emergencies. Construction area should be properly isolated with temporary fencing to avoid accidents to public. Construction workers should be provided with Personnel Protective Equipments and should be made compulsory to wear during working hours.	Complied. Most of the workers are having PPEs.
Impact on construction workers during sewer lining along existing sewer / abandoned water supply network with AC pipes.	AC dust can Be carcinogenic if inhaled as dust particles	Train all construction personnel in dangers of AC pipes and how to recognize them in situ Develop and apply protocol if AC pipes are encountered. This should include: <ul style="list-style-type: none"> <li>• Immediate reporting of any occurrence to management</li> <li>• Removal of all persons to a safe distance</li> <li>• Use of appropriate breathing apparatus and protective suits by</li> </ul>	Complied. No AC pipes been used in any of the sites.

		workers delegated to deal with AC material Safe removal and long-term disposal of AC material	
Loss of trees during sewer laning.		No tree cutting is envisaged; each tree lost should be replaced with two trees. The plantation should be done at the onset of monsoon immediately after completing the construction along the identified corridor. Saplings should be provided with protective fencing and survival should be ensured by Contractor with monitoring by CMC, Ranebennur.	Complied. No tree cutting is done along the current stretch.
Impact on public due to destruction of public utilities such as water pipes, electric / telephone lines etc.		The impacts on utilities will be repaired and restored in the least time frame in with the support of concerned authorities.	Complied. The broken / disturbed utilities are restoring on the same day or with shortest possible delay.

**5.6. Redress of Grievances:**

Sub Project	Registers Maintained	No. of Grievances received in the month	Action Taken
Sewerage System & STP	√	0	NA

**5.7. Labor Registration**

The labor license is renewed and submitted. The validity of the renewed license is till 14.06.2015

**5.8. Summary and Conclusions**

EMP monitoring being done daily (see Annexure 12) on the critical issues and following improvements/ positive developments are observed.

SI	Details	Compliance Status
1	Display of IEE Executive Summary in Kannada on Notice Board of NKUSIP Cell office and CMC office	Complied on 22.08.2011.
2	KSPCB's CFE Condition (V.7)	Complied on 04.10.2011
3	Letter to Town Planning department informing the KSPCB's CFE Condition (I.3), for maintaining 500 mts buffer zone around the sewage treatment plant area.	Complied on 03.10.2011
4	Documentation mechanism of grievances is evolved and entered in the Grievances register(opened on 23.05.2011) and being maintained	Complied
5	The CFE issued by KSPCB for three years Validity expired on 22 October 2012	The Commissioner, CMC, Ranebennur has applied for the renewal of CFE. However, the KSPCB has informed that since construction of STP is almost completed, renewal of CFE is not required. CMC has to apply for Consent for Operate after completing the construction.




However, the following issues need to be addressed.

SI	Issues/Deviations	Compliance Status	Corrective Actions to be taken
1	As per KUIDFC MD's Circular no. KUIDFC/PPD/NKUSIP/R&R/2009-10/1650 dated 07/08/2013, (1) Metal barricading must be compulsorily ensured (2) All the Contractors should have a Health, Safety and Environment Person who must possess at least a diploma or certificate course in Occupational Health and Safety	(1) Partly complied.  (2) Not complied	(1) Metal barricading must be provided at all work sites.  (2) Contractors should appoint qualified health, Safety and Environment person.

**Attachment 5 – Safeguards at STP Site- Ranebennur**

	Name of the Official Visited	Jomcy Mathew
	Date of Visit	26 <sup>th</sup> November 2014
A	Is the STP site is cordoned off with no entrance to public ?	Yes
B	Is the temporary facility provided to labours dismantled at the STP Site ?	Work Temporarily stopped. No laborers staying in the labor camp
C	Alternative accommodation arranged by the contractor	NA
	If yes, provide location along with photograph	NA
D	If YES to, C, what is the condition of facilities provided to labours.	
	xiii) Housing	NA
	xiv) Water Facilities	NA
	xv) Sanitation facilities	NA
E	Condition of Housekeeping at the STP site	NA
F	Has the sludge management plan been developed by the design team and approved by CE, NKUSIP	No
	If yes, provide a copy of the sludge management plan	NA
G	Has the plantation been initiated in the STP Site	No
	If Yes/No, give details on what has been initiated or why it has not been initiated	Letter issued to the project managers to contact the forest department for obtaining the seedlings
H	Has air and noise monitoring been initiated under the project (where work is under progress)	No

**Attachment 6 (a): Ranebennur Photographs**  
**PACKAGE – 02 RNR 02- Sewerage System and STP**

<b>Location: Railway Track – Micro Tunneling</b>		<b>Date: 26.11.2014</b>
		
Hard barricade provided around the tunneling site	Workers shelter without any basic facility	
<b>Location: STP</b>		<b>Date: 26.11.2014</b>
		
Workers are having PPEs		

## 6. EMP for Davanagere Town

### 6.1. Introduction – Davanagere Town

The components taken up for Davanagere are detailed in the following Table.

Package	Sub Project	Physical Completion (%)	Date of Award	Date of Completion	Date of Extensions if any
02DVG01	Water Supply	98.5 %	22.08.2011	21.02.2013 30.09.2013 30.04.2014	30.08.2014 Awaiting extension
03DVG02	Sewerage System	7.8 %	17.02.2014	16.08.2015	NA
03DVG02A	STP	17.1 %	10.02.2014	26.12.2015	NA

The Initial Environmental Examination (IEE) Report was approved by ADB in the year 2010. The status of Environmental Management Plan (EMP) for the month of November 2014 is presented in the following sections.

### 6.2. Permissions/Consents/Clearances/Approvals:

Consent/ Clearances/ Permissions/ Approval Status (Date of Clearance and Completion status )									
Sub Project	KSPCB	NHAI	Railways	PWD	KPTCL / HESCOM	Forest	Minor Irrigation	Irrigation*	Labor License
02 DVG01	NA	One along & One crossing completed One crossing to be done	NA	Two crossing & two along road completed	X	NA	√	√	Expired
03 DVG02	NA	NA	Applied on 22.02.2012 (2 crossing & 3 along)	Applied on 16.03.2012 (2 Crossing)	ND	NA	NA	NA	Not submitted
03 DVG02A	08.08.2015	NA	NA	NA	NA	NA	NA	NA	Valid till 25.12.15

Note: For details refer Monthly Progress Report November 2014.; NA-Not Applicable; \* for drawal for water from reservoir for demand of year 2041/2044

### 6.3. Field Visits & Training Conducted

Activity	Date	Sites Visited	Persons Met	Remarks
Field Visit	27 <sup>th</sup> November 2014	02DVG01 – Water Supply	No Site Visit	No construction work going as part of this package.



Activity	Date	Sites Visited	Persons Met	Remarks
		<b>03DVG02 – Sewerage System.</b> Seebara Circle No work in progress  APMC Pipe laying  Budhihal Road  Aktar Raja Circle	Venketesh, Supervisor  Patel, RE  Patel, RE Suresh Nayak, SE	No work in progress at the time of visit. The excavation for the manhole left uncovered / un protected with barricade or tape is causing difficulties for the pedestrians and the two wheelers. Caution tape has provided but not in a proper way and not adequate.  Work in progress in the road leading to APMC market. No warning board or traffic diversion boards given. Caution tape provided only partly. No first aid kit available at the excavator.  Manhole work in progress in traffic junction. No caution board / traffic diversion board has given. But caution tape has provided around the trench. No First aid kit available at the worksite. Workers were not having PPEs  Pipelaying work in progress. But no traffic diversion / warning boards have given. Crane is moving across the road without any warning, traffic diversion causing danger to the vehicles and pedestrians. Workers working with the moving crane and the pipe are not having any PPEs. First aid kit available at the excavator.
		<b>03DVG02A – STP</b> Raw Sewerage work and	Raghavendra, site Engr	The excavations sites have protected with caution tape. Workers are getting drinking water from the water filter. Workers are wearing PPEs. But not all the workers were provided cot and mattresses, workers were sleeping / resting on floor. First aid kit is not complete.

#### 6.4. Compliance to EMP

Particulars	Sub Project	Complied	Compliance to EMP
Design/ Location/	Water Supply	√	Details on EMP page 61, 62 and 63 of Initial Environmental Examination Report, April 2010, is

Preconstruction Stage Monitoring			made part of Contractor Agreement Clause no. PCC 76.5, Page No.33 and Appendix 1 page no.136,137 (02DVG01). Letters have been issued by the Commissioner to the contractors incorporating the EMP guidelines into the contracts. (Copies of the letters are attached as Annexure in December 2013 EMP report.
Construction Stage Monitoring	Water Supply	√	Contractor's compliance with EMP is monitored by the CSS and AEE at NKUSIP Cell on daily basis (Provided in Annexure 14 )
	Sewerage System	√	Contractor's compliance with EMP is monitored by the CSS and AEE at NKUSIP Cell on daily basis (Provided in Annexure 15)
	STP	√	Contractor's compliance with EMP is monitored by the CSS and AEE at NKUSIP Cell on daily basis (Provided in Annexure 16)
Occupational Health Risks and Safety Plan for Workers	Water Supply	√	Contractor complying with EMP. The photographs are enclosed as Attachment 5 (b) . Also see Annexure 14 in this report.
	Sewerage System	√	Contractor complying with EMP. The photographs are enclosed as Attachment 5 (c) .
	STP	√	Contractor complying with EMP. The photographs are enclosed as Attachment 5 (d) The report on safeguard measures at STP site is given as Attachment 5 (a)

**6.5. Compliance to Mitigation Measures – Sewerage Project - Construction Phase**

Field	Anticipated Impact	Mitigation Measures	Compliance to Mitigation Measures	
			03 DVG 02	03 DVG 02A
Inconvenience to access business, residential, schools, hospitals, places of worship and other immediate facilities for the public and impact on livelihood due to loss of access to business.	The access for business and other facilities along the proposed sewer laning areas will be disturbed during construction period.	During construction period, planks / makeshift pathways should be provided along the construction areas for the public to access their requirements for residential, shopping and other facilities. Any business losses will be compensated as per the Resettlement Framework. Contractor shall deploy more work force for speedy completion of activities in these areas. Shop keepers will be informed prior to construction along the commercial areas	Partly Complied  Planks and makeshift pathways are not providing at residential and commercial sites. Shop keepers are giving advance information	Not applicable
Inconvenience to public during sewer laying along thick commercial areas and narrow streets; where public facilities are located.	Reduced pedestrian and vehicle access to residences and businesses	Construction should be expedited in the least time frame.  Activities requiring maximum access control should be done during non-peak hours.  Excavation along the road should be done in such a way that entire stretch will not be trenched at a time.  Traffic management with diversion through alternate routes will be implemented by providing adequate sign boards.  Trenching and pipe laning along the	Complied  Construction works are completing in least possible time.  Traffic diversion boards are not given	Not Applicable

Field	Anticipated Impact	Mitigation Measures	Compliance to Mitigation Measures	
		traffic routes will be planned and integrated to avoid retrenching / modifying trench during pipe laning along the same lane		
Destruction of buildings due to vibration during construction activities.	Permanent destruction of buildings	Buildings of risk will be identified prior to construction and pneumatic drilling will be avoided in these areas.	Complied No buildings of risk at any of the construction sites	Complied No buildings of risk at the construction site
Nuisance due to dust and noise; road blocking due to laying of sewer network; and, increased traffic flow due to vehicle movement for construction activities.	Dust generation may be significant as the dry weather condition prevails in the town.	<p>Construction material shall be stockpiled to minimize traffic blockages. In case of excavations for sewer lines in busy streets such as central areas of the town (market area, old town area), adequate arrangements for traffic diversion including prior intimation and by erecting proper sign board shall be provided.</p> <p>Considering the market and dense residential areas in the core town area, preparation of construction site management plan is necessary. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues.</p>	<p>Complied</p> <p>Advance information are giving to the shop keepers, traffic diversion are e giving where necessary.</p> <p>Construction Management plan not prepared</p>	Not applicable
Air and noise from construction of STP and lying /rehabilitation of sewer network activities.	Sewer network will be laid all over the town including high density areas.	Concrete roads where trenching is done through Pneumatic drilling will be providing fencing to avoid noise and air pollution.	Partly Complied Fencing is not providing while drilling, at all the roads.	Not applicable

Field	Anticipated Impact	Mitigation Measures	Compliance to Mitigation Measures	
	As the proposed STP is located away from the habitation, as far as laying of sewer network is considered, the dust and noise nuisance may be considerable in the core town area and in all other areas it may be negligible.	<p>Construction material shall be stockpiled. Adequate arrangements for traffic diversions including erection of proper sign boards are to be done.</p> <p>Dust generation must be arrested by water spraying. Ensure usage of standard equipment to reduce the noise nuisance. Equipment shall comply with the noise levels of construction equipment laid out by the CPCB. High noise generating activities including material unloading shall be avoided during nights. The surrounding people shall be informed, especially in densely populated area, of nature and schedule of the high noise generating activities, if any</p> <p>A construction site management plan shall be prepared. Poor performance of the contractor may potentially exacerbate these impacts and therefore qualified contractors to be appointed. The contracted work includes the implementation of construction site management plan, which will address these issues.</p>		
Improper disposal of Bituminous waste	Pollution of the environment	Bituminous waste top be disposed in approved waste disposal sites.	Complied Wastes are disposing at designated sites only.	Not applicable
Stockpiling of excavated soil creating dust emission during windy weather and also during	Inconvenience for public travel.	The excavated soil should be removed from construction area at the earliest for beneficial reuse such	Complied Excess excavated soil after the back filling are	Complied Excess soil is using at the construction site itself.

Field	Anticipated Impact	Mitigation Measures	Compliance to Mitigation Measures	
transportation for reusing. Plying of lorries transporting soil during peak hours and narrow / heavy traffic routes	<p>Chances of accidents for motorists due to dust emission from uncovered lorries.</p> <p>Traffic congestion in narrow / busy corridors</p>	<p>as land raising / filling of excavated areas.</p> <p>Soil should be covered with tarpaulin sheets during transportation.</p> <p>Soil transportation should not be done during peak hours and should be avoid narrow and heavy traffic routes, important religious or tourist sites etc.</p>	transporting to the designated sites.	
Improper handling of excess soil	Inconvenience for public	Excess soil should not be piled up along the construction areas and shall be disposed in low laying areas other than water bodies	Complied	Complied
Rain / ground water collection in excavated areas.	Inconvenience for public	<p>Trenching and sewer laning should be planned to be completed in seasons other than rainy season.</p> <p>If ground water is collected in trenches, the water should be pumped out and opportunities for channeling to agricultural fields for irrigation should be sought.</p>	Complied Most of the trenching activities are planned during the non-rainy days	Partly Complied. Rain water is collected in some areas in the construction site.
Economic benefits if local people are employed in Contractor's workforce	Sourcing of local employers will give employment opportunities for local people and also avoid influx of labours from outside and competition for basic resources such as water, shelter, health care etc.	Contractor should employ at least 50% of workforce from local communities.	Complied Local people are employed wherever possible	Complied Local people are employed wherever possible

Field	Anticipated Impact	Mitigation Measures	Compliance to Mitigation Measures	
Construction along the areas near to protected monuments.	Damage to protected structures.	<p>All necessary and adequate care should be taken to minimize the impact on protected properties. If articles such as fabrics, coins, artifacts, structures or other geographically or archaeologically important materials are discovered, the excavation should be stopped and the Archaeological Department should be intimated at the earliest and all the articles received during sewer laning should be handed over to ASI.</p> <p>DCC should include the above instruction in the contract document</p>	<p>Complied</p> <p>No protected monuments in any of the current construction site</p>	<p>Complied.</p> <p>No protected monuments near the construction site.</p>
Risk for workers and public due to accidents at site.	Accidents	<p>Health and Safety plan should be prepared and implemented at site and workers should be trained for safe working practices, using of machineries and immediate response at emergencies.</p> <p>Construction area should be properly isolated with temporary fencing to avoid accidents to public.</p> <p>Construction workers should be provided with Personnel Protective Equipments and should be made compulsory to wear during working hours.</p>	<p>Complied</p> <p>Health and safety measures are followed.</p> <p>PPEs are given to the workers</p>	<p>Complied</p> <p>Health and safety measures are followed.</p> <p>PPEs are given to the workers</p>
Impact on construction workers during sewer laning along existing sewer / abandoned network with AC pipes.	AC dust can be carcinogenic if inhaled as dust particles	Train all construction personnel in dangers of AC pipes and how to recognize them in situ	<p>Complied</p> <p>No AC pipes are using for the construction works</p>	<p>Complied</p> <p>No AC pipes are using for the construction works</p>

Field	Anticipated Impact	Mitigation Measures	Compliance to Mitigation Measures	
		<p>Develop and apply protocol if AC pipes are encountered. This should include:</p> <ul style="list-style-type: none"> <li>• Immediate reporting of any occurrence to management:</li> <li>• Removal of all persons to a safe distance:</li> <li>• Use of appropriate breathing apparatus and protective suits by workers delegated to deal with AC material:</li> </ul> <p>Safe removal and long-term disposal of AC material</p>		
Loss of trees during sewer laning.	Damage to Environment	<p>No tree cutting is envisaged; each tree lost should be replaced with two trees.</p> <p>The plantation should be done at the onset of monsoon immediately after completing the construction along the identified corridor. Saplings should be provided with protective fencing and survival should be ensured by Contractor with monitoring by DCC.</p>	Complied No tree cutting in any of the current stretch	Complied No tree cutting required
Inconvenience to Tourist due to construction near tourist destinations or main tourist transport corridors	Impact on tourist movement will affect local economy.	Project activities should be planned with due care to avoid tourist seasons.	Complied	Not applicable
Impact on public due to destruction of public utilities such as water pipes, electric / telephone lines etc.	Inconvenience for public	The impacts on utilities will be repaired and restored in the least time frame in with the support of concerned authorities.	Complied Utility services are restoring on the same day or least possible time	Not applicable



**6.6. Redress of Grievances**

Sub Project	Registers Maintained	No. of Grievances received in the month	Action Taken
Water Supply	Registers not available for inspection	0	NA
Sewerage System		0	NA
STP		0	NA

**6.7. Labor Registration**

The license for the 02 DVG 01 package expired on 28.06.2014. The contractor need to renew the license. The contractor for 03DVG02A package submitted the copy of the labor license and is valid till 21.05.2015. The contractor yet to submit the copies of the labor licenses for the package 03DVG02.

**6.8. Summary and Conclusions**

EMP monitoring being done daily (see Annexure 13) on the critical issues and following improvements/ positive developments are observed.

SI	Details	Compliance Status
1	Display of IEE Executive Summary in Kannada on Notice Board of NKUSIP Cell office and Corporation office	Complied
2	Labor license	The contractor for 02DVG 01 need to renew the license. The contractor yet to submit the copies of the labor licenses for the package 03DVG02

**Issues to be addressed:** However, the following issues need to be addressed.



SI	Issues/Deviations	Compliance Status	Corrective Actions to be taken
1	Proper barricades are not provided at all work sites	Being Complied	Informed Contractor to provide safety measures including barricading, caution tape and project information board for all locations.
2	Workers are not provided with personal protective equipments like helmet, gum boots etc.	Yet to be Complied	Informed Contractor to provide the PPEs and First Aid kit at all work sites
3	As per KUIDFC MD's Circular no. KUIDFC/PPD/NKUSIP/R&R/2009-10/1650 dated 07/08/2013, (1) Metal barricading must be compulsorily ensured (2) All the Contractors should have a Health, Safety and Environment Person who must possess at least a diploma or certificate course in Occupational Health and Safety	(1) Partially complied. (2) Not complied	(1) Metal barricading must be provided at all work sites. (2) Contractor should appoint qualified health, Safety and Environment person.

**Attachment 6(a) – Safeguards at STP Site- Davanagere**

	Name of the Official Visited	Jomcy Mathew
	Date of Visit	27-11.2014
A	Is the STP site is cordoned off with no entrance to public ?	Yes
B	Is the temporary facility provided to labours dismantled at the STP Site ?	Camp not dismantled. Continuing at the existing camp at the construction site
C	Alternative accommodation arranged by the contractor	No alternate arrangements. Labours continuing at the existing camp.
	If yes, provide location along with photograph	
D	If YES to, C, what is the condition of facilities provided to labours.	
	xvi) Housing	Not satisfactory. Cot and mattress have not provided for all the workers.
	xvii) Water Facilities	Satisfactory
	xviii) Sanitation facilities	Satisfactory
E	Condition of Housekeeping at the STP site	Satisfactory
F	Has the sludge management plan been developed by the design team and approved by CE, NKUSIP	No
	If yes, provide a copy of the sludge management plan	NA
G	Has the plantation been initiated in the STP Site	No
	If Yes/No, give details on what has been initiated or why it has not been initiated	Letter issued to the project managers to contact the forest department for obtaining the seedlings
H	Has air and noise monitoring been initiated under the project (where work is under progress)	No

**Attachment 6 (a): Davanagere Photographs  
PACKAGE – 02 DVG 02- Sewerage System**

<b>Location: Sebara Circle</b>		<b>Date: 27.11.2014</b>	
		The excavation for the manhole left without proper cover and un protected	
<b>Location: APMC</b>		<b>Date: 27.11.2014</b>	
		Excavator working on the road without warning boards or protection measures	
<b>Location: Budhihal Road</b>		<b>Date: 27.11.2014</b>	
		Caution tapes provide around the excavation sites, but no warning board, traffic diversion and PPEs	
<b>Location: Aktar Raja Circle</b>		<b>Date: 27.11.2014</b>	
		Cranes working on the road without any warning boards or traffic diversion	
		Labors working with moving cranes without any PPEs	

Attachment 6 (b)	
PACKAGE – 02 DVG 02A – STP	
Location: STP	Date: 27.11.2014
	
Caution tape provided around the excavations	Workers with PPEs



## 7. Monitoring Sheets

## Annexure 1

## Daily Monitoring Sheet – Sewerage System, Bijapur (02 BJR 02)

**Bijapur**  
02BJR02  
Rehabilitation of existing sewerage system and extension of sewerage system to new areas (District RA) and rehabilitation of primary storm water drain in Bijapur City Municipal Council of Karnataka  
State (02BJR02).

Month: Oct-14  
Work Completed (% to total)

Name of Work: Sewer Network, Road Restoration  
Location of Work Ongoing: Gunney Colony, Stadium Road, Near Jindan Road, LIC Office Road

Date of Commencement and Completion : 1-2-2015 and 31-7-2015  
Extended date of completion 31-07-2015  
Description of Work Ongoing  
Location of Work Ongoing

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Direction boards, warning boards/signs, etc provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Watering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Blockage clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Cleaning of Debris to avoid obstruction to vehicles and walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Trenches are opened and filled in the least possible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Proper disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Proper coverage to vehicles while transporting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Wetting stockpiles of sand and metals carried out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Contamination of groundwater / surface water is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Construction work stopped during night and early morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Access to public and private properties provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	No Persons below under the age of 14 employed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Workers wearing helmets, gloves and boots, etc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Hardship and inconvenience to public/business grievance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Health and Safety talk conducted by contractor before the start of work	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	No. of labourers as per attendance register	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Signature of Program Consultant - CSS																																
Signature of Contractor																																



## Annexure 2

## Daily Monitoring Sheet – Sewerage System, with STP - Bijapur (02 BJR 02A)

CITY, Package No. & Name of Work  
Improvement of Sewerage system in district 26 and Construction of FAL type STP in Bijapur City Municipal Council of Karnataka state (02BJR02A).

Description of work ongoing:  
Sewerage Network

Locations of work ongoing:  
Gangbadi & KHB Road

Month: Oct-14

Work completed (% to total): 40%

Date of Commencement and Completion: 01.02.2011 to 31.07.2015

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	Direction boards, warning boards/signs, etc provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	Watering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5	Run-way clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
6	Clearing of Debris to avoid obstruction to vehicles and walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
7	Trenches are opened and filled in the least possible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	Proper disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
9	Proper coverage to vehicles while transporting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
10	Wetting stockpiles of sand and metals carried out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
11	Contamination of groundwater / surface water is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
13	Construction work stopped during night and early morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
14	Access to public and private properties provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	No Persons below under the age of 14 employed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
17	Workers wearing helmets, gloves and boots, etc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	Hardship and inconvenience to public/business grievance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
19	Health and Safety Talk conducted by Contractor before the start of work	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20	No. of labours as per attendance register	9	10	—	—	—	8	8	7	8	8	9	8	7	10	10	8	—	6	7	10	10	—	—	—	—	3	3	4	3	—	—	—
	Signature of Program Consultant - CSS	[Signature]																															
	Signature of Contractor	[Signature]																															
	Signature of NMSIP (Gt) - AEC	[Signature]																															







## Annexure 4

## Daily Monitoring Sheet – Water Supply, Gadag (03 GDG 01)

Package 03GDG01- Design, Supply, Construction, Installation, Testing, Commissioning and Operation & maintenance for three years of water supply scheme for supply of 45.02 MLD raw water from Hammagi-Barrage up to WTP at Singtaravankare for Gadag- Betageri  
Laying & Joining 700mm dia D1 K-9 pipe for Raising main

CITY, Package No. & Name of Work  
Description of work ongoing: Month: Oct-2014

Locations of work ongoing: PS @ Dambal to WTP @ Singtaravankare

Work completed (% to total) :35%

Date of Commencement and Completion :23.11.2013 and 23.08.2015

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	Direction boards, warning boards/signs, etc provided	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3	Watering for dust mitigation undertaken	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4	Project Sign Board provided with complete details including contact no.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5	Blockage clearance of drains done	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	Clearing of Debris to avoid obstruction to vehicles and walking done	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	Trenches are opened and filled in the least possible time	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	Proper disposal of debris done	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9	Proper coverage to vehicles while transporting debris provided	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	Wetting stockpiles of sand and metals carried out	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	Contamination of groundwater / surfacewater is not noticed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	Informed public of work in the area	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	Construction work stopped during night and early morning hours	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	Access to public and private properties provided	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	No Persons below under the age of 14 employed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17	Workers wearing helmets, gloves and boots, etc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18	Hardship and inconvenience to public/business grievance received	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19	Nos.Labours	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Signature of Program Consultant - CSS																																
	Signature of Contractor																																
	Signature of NKUSIP Cell - AEE																																

Signature of Program Consultant - CSS: A.E.E.  
Signature of Contractor: NKUSIP Cell  
Signature of NKUSIP Cell - AEE: NKUSIP Cell  
Gadag-Betageri



## Annexure 5

## Daily Monitoring Sheet – Water Supply with STP, Gadag (03 GDG 01A)

Package No:03GDG01A Work for Design,Supply, Construction,Installation,Testing,Commissioning of 42.67 MLD WTP at Singtarayanakere,Gravity main from WTP to Point A and Distribution network for HUDCO Colony Zone-2 and Operation & Maintenance for three years for WTP and Gravity main in Gadag-Betageri Laying & Jointing BWSC pipe for Gravity main

**CITY, Package No. & Name of Work** Month: Oct-2014

**Description of work ongoing:** Work completed (19% total) :

Date of Commencement and Completion :17.10.2012 and 17.01.2015

**WTP at Singtarayanakere**

Locations of work ongoing:

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Direction boards, warning boards/signs, etc provided																															
2	Safety measures (barricading and warning signs) for Excavated Earth works observed																															
3	Watering for dust mitigation undertaken																															
4	Project Sign Board provided with complete details including contact no.																															
5	Blockage clearance of drains done																															
6	Clearing of Debris to avoid obstruction to vehicles and walking done																															
7	Trenches are opened and filled in the least possible time																															
8	Proper disposal of debris done																															
9	Proper coverage to vehicles while transporting debris provided																															
10	Wetting stockpiles of sand and metals carried out																															
11	Contamination of groundwater / surfacewater is not noticed																															
12	Informed public of work in the area																															
13	Construction work stopped during night and early morning hours																															
14	Access to public and private properties provided																															
15	Alternative Traffic Plan provided especially for vehicles and pedestrians																															
16	No Persons below under the age of 14 employed																															
17	Workers wearing helmets, gloves and boots, etc																															
18	Hardship and inconvenience to public/business grievance received																															
19	Nos. Labours																															
	Signature of Program Consultant - CSS																															
	Signature of Contractor																															
	Signature of NKUSIP Cell - AEE																															

Handwritten notes: *work stopped*

Signatures: *mf...*, *C.S.S*, *NKUSIP Cell*, *A.E.E.*, *NKUSIP Cell*, *Radha-Betageri*

## Annexure 6

## Daily Monitoring Sheet – Sewerage System, Zone 2 Hubli (02 HUB 02)

CITY, Package No. & Name of Work  
 Description of work ongoing:  
 Locations of work ongoing:

Providing sewer Trunk Mains Sub Mains and Interceptors in sewer Zone - 2 of Hubli Dharwad Municipal Corporation  
 2HUB02  
 Pipe laying works at 400 mm dia Ginyal road, 300 mm dia Papan Galli (Akkli Pet) and Nekar Nagar Integration under progress, Road Restoration at Station road, Charnagpet, Old Hubli road Bidnal Road STP Approach road SM Krishna Nagar, Cast-in-situ MH at STP road 2000 mm dia and Mastan Soda road

Month: Oct-14  
 Work completed (% to total): < 94 %  
 Date of Commencement and Completion: 10-03-2011 & 09-09-2012 - EOT-IV  
 Period: From 13-01-2014 TO 12-12-2014

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Remarks
1	Direction boards, warning boards/signs, etc provided	X																															
2	Safety measures (barricading and warning signs) for Excavated Earth works observed																																
3	Watering for dust mitigation undertaken																																
4	Project Sign Board provided with complete details including contact no.																																
5	Blockage clearance of drains done																																
6	Clearing of Debris to avoid obstruction to vehicles and walking done																																
7	Trenches are opened and filled in the least possible time																																
8	Proper disposal of debris done																																
9	Proper coverage to vehicles while transporting debris provided																																
10	Wetting stockpiles of sand and metals carried out																																
11	Contamination of groundwater / surfacewater is not noticed																																
12	Informed public of work in the area																																
13	Construction work stopped during night and early morning hours																																
14	Access to public and private properties provided																																
15	Alternative Traffic Plan provided especially for vehicles and pedestrians																																
16	No Persons below under the age of 14 employed																																
17	Workers wearing helmets, gloves and boots, etc.																																
18	Hardship and inconvenience to public/business grievance received																																
19	Health and safety Talk conducted by Contractor before the start of work																																
20	No. of Labours as per attendance register																																
	Signature of Program Consultant - CSS																																
	Signature of Contractor																																
	Signature of NKUSIP Cell - AEE / AE																																



## Annexure 7

## Daily Monitoring Sheet – Sewerage System - (Zone 1&amp;3), Hubli (02 HUB 02A)

Package No. & Name of Work: Providing Sewer Trunk Main, Sub mains and Interceptors in Sewer Zone 1 & 3, sub main and Force main in Sewer Zone-4 and Construction of Storm water drain in Hubli  
 Description of work ongoing: Dharwad Municipal Corporation.  
 Locations of work ongoing: 2HUB2A  
 Status of Work: Mobilisation of Collection system and Nalla Storm Water drainage work since commissioned

Month: Oct-14  
 Work completed (% to total): < 95 %  
 Date of Commencement and Completion: 10-03-2011 & 09-09-2012 - EOT - IV  
 Period: 01.02.2014 to 31.10.2014

Integration work, wet well pumping, Manhole Top benching work and Road Restoration work under progress

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Rema
1	Direction boards, warning boards/signs, etc provided	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3	Watering for dust mitigation undertaken	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4	Project Sign Board provided with complete details including contact no.	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5	Blockage clearance of drains done	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	Clearing of Debris to avoid obstruction to vehicles and walking done	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	Trenches are opened and filled in the least possible time	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	Proper disposal of debris done	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9	Proper coverage to vehicles while transporting debris provided	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	Wetting stockpiles of sand and metals carried out	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	Contamination of groundwater / surfacewater is not noticed	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12	Informed public of work in the area	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13	Construction work stopped during night and early morning hours	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14	Access to public and private properties provided	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16	No Persons below under the age of 14 employed	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17	Workers wearing helmets, gloves and boots, etc	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18	Hardship and inconvenience to public/business grievance received	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19	Health and safety Talk conducted by Contractor before the start of work	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20	No. of Labours as per attendance register	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	Signature of Program Consultant - CSS																																
	Signature of Contractor																																
	Signature of NKUSIP Cell - AEE																																



## Annexure 8

## Daily Monitoring Sheet – STP, Hubli (02 HUB 02B)

**CT No. & Name of Work**  
 Design & installation commissioning and O & M of 40 m<sup>3</sup> STP using sequential Batch Reactor Process Plant at Gabbur in Hubli Taluk in HDMC limits  
**Month:** Oct-14  
**Work completed (% to total):** <97 %

**Description of work ongoing:**  
 In SBR Basin unit, 4 basins have come up to 6.5 mtrs height. Mechanical equipments installation work is under progress. Staff Quarters BBM works under progress MCC and Blower Room Painting work under progress. Internal road work under progress, Centrifuge Building Plastering work under progress.

**Locations of work ongoing:**  
 2HUB2B  
**Date of Commencement and Completion:** 04-05-2011 & 02-05-2013  
**EOT Period:** Up to 31.03.2015

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Direction boards, warning boards/signs, etc provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Watering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Blockage clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Clearing of Debris to avoid obstruction to vehicles and walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Trenches are opened and filled in the least possible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Proper disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Proper coverage to vehicles while transporting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Wetting stockpiles of sand and metals carried out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Contamination of groundwater / surface water is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Construction work stopped during night and early morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Access to public and private properties	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	No Persons below under the age of 14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Workers wearing helmets, gloves and	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Hardship and inconvenience to public/business grievance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Health and safety Talk conducted by Contractor before the start of work	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	No. of Labours as per attendance register	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Signature of Program Consultant - CSS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Signature of Contractor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Signature of NKUSIP Cell - AEE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



## Annexure 9

## Daily Monitoring Sheet – Sewerage System, Dharwad (03 DWD 02)

**CITY, Package No. & Name of Work**  
Description of work ongoing: Improving Sewerage System in District 6 and 10 of Dharwad city in Hubli Dharwad Municipal Corporation limits

**Month:** Oct-14  
Work completed (% to total): 57%

**Locations of work ongoing:**  
Adishakti Nagar, Saidapur, Road restoration works at Madihal, Koppad Keri road, Depo Circle, Kumalepur road

**Date of Commencement and Completion:** 31-08-2012 to 28-02-2014  
Extended up to 30-11-2014

**DAY - tick (✓) for Complied, x for not applicable and blank for not complied**

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Direction boards, warning boards/signs, etc provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Watering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Blockage clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Clearing of Debris to avoid obstruction to vehicles and walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Trenches are opened and filled in the least possible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Proper disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Proper coverage to vehicles while transporting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Wetting stockpiles of sand and metals carried out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Contamination of groundwater / surfacewater is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Construction work stopped during night and early morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Access to public and private properties provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	No Persons below under the age of 14 employed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Workers wearing helmets, gloves and boots, etc.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Hardship and inconvenience to public/business/grivance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Health and Safety Talk conducted by Contractor before the start of work	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	No. of labours as per attendance register	31			32		33	31	31	31	32	31		31	31	32	31	33	31		32	33		31	31	31		32	32	33	31	31
	Signature of Program Consultant - CSS																															
	Signature of Contractor																															
	Signature of NKUSIP Cell - AEE																															



## Annexure 10

## Daily Monitoring Sheet – STP, Dharwad (03 DWD 02A)

**CITY, Package No. & Name of Work**  
20 MLD Sewerage Treatment Plant using Sequential Batch Reactor (SBR/CASP) process plant at Madihal in Dharwad City in H.D.M.C. Limits package:03DWD02A.

**Description of work ongoing:**  
By pass pipe line, Concrete for SBR Basin Raft, secrete 29-10-2014 to 31-10-2014.

**Month:** Oct-14  
**Work completed (% to total):** 17 %  
**Date of Commencement and Completion:** 30-10-2014

**Locations of work ongoing:** Madihal

SN	Parameters	DAY - tick (✓) for Complied, x for not applicable and blank for not complied																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	Direction boards, warning boards/signs, etc provided																																
2	Safety measures (barricading and warning signs) for Excavated Earth works observed																																
3	Watering for dust mitigation undertaken																																
4	Project Sign Board provided with complete details including contract no.																																
5	Blockage/clearance of drains done																																
6	Clearing of Debris to avoid obstruction to vehicles and walking done																																
7	Trenches are opened and filled in the least possible time																																
8	Proper disposal of debris done																																
9	Proper coverage to vehicles while transporting debris provided																																
10	Wetting stockpiles of sand and metals carried out																																
11	Contamination of groundwater / surfacewater is not noticed																																
12	Informed public of work in the area																																
13	Construction work stopped during night and early morning hours																																
14	Access to public and private properties provided																																
15	Alternative Traffic Plan provided especially for vehicles and pedestrians																																
16	No Persons below under the age of 14 employed																																
17	Workers wearing helmets, gloves and boots, etc.																																
18	Hardship and inconvenience to public/business/ordinance received																																
19	Health and Safety Talk conducted by Contractor before the start of work																																
20	No. of labours as per attendance register	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05
	Signature of Program Consultant - CS5																																
	Signature of Contractor																																
	Signature of NKUSIP Cell - AEE																																

**Annexure 11**

Daily Monitoring Sheet – Haveri Water Supply (01HVR 01)

***NO WORK GOING ON***

**Annexure 12**

Daily Monitoring Sheet – Sewerage System, Haveri (01 HVR 02)

The Contractor has demobilized without completing the works and hence the daily monitoring sheet has not been submitted.



## Annexure 13

## Daily Monitoring Sheet – Ranebennur Sewerage System (02 RNR 02)

Package Name & Package No.:-  
Description of work ongoing:  
Locations of work ongoing:

Supplying and Laying Sewerage Network and Constructing FAL type STP in Ranebennur City Municipal Council, Package No. 02 RNR 02  
Month: October-2014  
UGD Net works and STP,  
Vinayak Nagar, Hrutyunjaya Nagar, Maruti Nagar, 400mm dia RCC line Near  
2nd Trenchless, STP, MH casting yard  
Work completed = 90%  
Date of Commencement : 22-12-2012  
Date of Completion : 20-12-2014  
Extended upto 20-12-2014

Sl. No.	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Direction boards, warning boards/signs, etc provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Watering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Blockage clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Clearing of Debris to avoid reburial to vehicles & walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Trenches are opened and filled in the least possible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Proper disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Proper coverage to vehicles while transporting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Wetting stockpiles of sand and metals carried out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Contamination of groundwater / surface water is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Construction work stopped during night and early morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Access to public and private properties provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	No Persons below under the age of 14 employed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Workers wearing helmets, gloves and boots, etc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Hardship and inconvenience to public/business grievance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Health and safety Talk conducted by Contractor before the start of work.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	No. of labours as per attendance register.	35	23	14	20	15	14	13	16	19	17	14	13	12	14	18	11	17	16	14	14	16	07	11	09	16	18	18	13	19	21	20
	Signature of Program Consultant - CSS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Signature of Contractor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Signature of NKUSIP Cell - AEE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



## Annexure 14

## Daily Monitoring Sheet – Water Supply, Davanagere (02 DVG 01)

**Davanagere, 02DVG01**

**Package No. & Name of Work**  
Providing and laying of Raw Water Pumping main from Rajanahalli Head works to Kundawada lake, Installation of New Vertical Turbine, Centrifugal pump sets, Construction of 15LL Clear Water Storage Reservoir, 20 MLD Filter House and Supplying and Installation of Bulk Flow meters for Water Supply scheme to Davanagere City Corporation

**Description of work ongoing:**  
Filter House : Laying of Filter media Other Works: Casting of valve chambers and thrust blocks, desilting & Restoration works.

**Month: Oct-14**  
Work completed (% to total) :  
Date of Commencement & Completion : 22-08-2011 & 21-02-2013  
Date of Extension: 30-09-2014 31/10/14

**WTP at Bathi, Rajanahalli, Kundawada, D.B. Canal.**

Parameters	DAY - tick (✓) for Completed, x for not applicable and blank for not complied																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Protection boards, warning boards/signs, provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Engineering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Erect Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Package clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clearing of Debris to avoid obstruction to vehicles and walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drains are opened and filled in the least possible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proper disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proper coverage to vehicles while transporting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Empty stockpiles of sand and metals cleared	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Elimination of groundwater / facewater is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unarmed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Construction work stopped during night and day morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Access to public and private properties	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Provision of alternative Traffic Plan provided especially vehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Persons below under the age of 14 employed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Workers wearing helmets, gloves and boots, etc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Relationship and inconvenience to public/business grievance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Signature of Program Consultant - CSS	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	
Signature of Contractor	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	
Signature of NKUSIP Cell - AEE	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	Dr. R. S. Rao	

**Assistant Executive Engineer**

**Davanagere**  
02DVG01  
Providing and laying of Raw Water Pumping main from Rajanahalli Head works to Kundawada lake, Installation of New Vertical Turbine, Centrifugal pump sets, Construction of 15LL Clear Water Storage Reservoir, 20 MLD Filter House and Supplying and Installation of Bulk Flow meters for Water Supply scheme to Davanagere City Corporation  
Filter House : Laying of Filter media Other Works: Casting of valve chambers and thrust blocks, desilting & Restoration works.

**Package No. & Name of Work**

**Month: Oct-14**  
Work completed (% to total) :

**Date of Commencement & Completion : 22-08-2011 & 21-02-2013**  
**Date of Extension: 30-06-2014**

**WTP at Bathi, Rajanahalli, Kundawada, D.B. Canal.**

Parameters	DAY - tick (✓) for Complied, x for not applicable and blank for not complied																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
h and Safety Talk conducted by actor before the start of work																																
f labours as per attendance register	12	-	-	-	-	-	08	-	-	-	6	0	2	-	-	-	-	5	-	-	-	-	-	-	-	-	-	5	5	5	5	
Signature of Program Consultant - CSS																																
Signature of Contractor																																
Signature of NKUSIP Cell - AEE																																

Assistant Executive Engineer



## Annexure 15

## Daily Monitoring Sheet – Water Supply, Davanagere (03 DVG 02)

**CITY, Package No. & Name of Work**  
Davanagere, 03DVG02  
Laying of Trunk mains, Sub-mains and Interceptors in Drainage District-1 of Davanagere City Corporation.  
Earthwork excavation and pipe laying.

**Description of work ongoing:**

**Locations of work ongoing:** Doddabudihal road, near ring road junction.

**Month: Oct-14**  
Work completed (% to total) :  
Date of Commencement: 17-02-2014  
Date of Completion: 16-08-2015

Parameters	DAY - tick (✓) for Completed, x for not applicable and blank for not complied																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Direction boards, warning boards/signs, etc provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Watering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blockage clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clearing of Debris to avoid obstruction to vehicles and walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trenches are opened and filled in the least possible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proper disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proper coverage to vehicles while transporting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Netting stockpiles of sand and metals carried out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Contamination of groundwater / surface water is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Construction work stopped during night and early morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Access to public and private properties provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Alternative Traffic Plan provided especially for vehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
No Persons below under the age of 14 employed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Workers wearing helmets, gloves and boots, etc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hardship and inconvenience to public/business grievance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Signature of Program Consultant - CSS	[Signature]																															
Signature of Contractor	[Signature]																															
Signature of NKUSIP Cell - AEE	[Signature]																															

Package No. & Name of Work		Davanagere, 03DVG02																															
Laying of Trunk mains, Sub-mains and Interceptors in Drainage District-1 of Davanagere City Corporation.																																	
Location of work ongoing:		Earthwork excavation and pipe laying.																															
Month: Oct-14		Work completed (% to total) :																															
Date of Commencement: 17-02-2014																																	
Date of Completion: 16-08-2015																																	
Parameters		DAY - tick (✓) for Complied, x for not applicable and blank for not complied																															
and Safety Talk conducted by		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Factor before the start of work																																	
labours as per attendance register		6	4	0	4	5	8	6	5	8	4	6	6	5	6	6	8	5	5	8	4	5	4	4	4	4	6	6	6	4	6	6	
Signature of Program Consultant - CSS																																	
Signature of Contractor																																	
Signature of NKUSIP Cell - AEE																																	



## Annexure 16

## Daily Monitoring Sheet – Water Supply, Davanagere (03 DVG 02A)

**Davanagere, 03DVG02A**

**Design, Supply, Installation, Commissioning and operation & Maintenance of Sewerage Treatment Plant (SBR) of 20 MLD Capacity and Rehabilitation of existing STP (WSP) in Drainage District-1 of Davanagere City Corporation.**

**PCC and Steel fabrication or CCT and SBR**

**Month: Oct-14**  
Work completed (% to total) :

**Date of Commencement: 27-03-2014**  
**Date of Completion: 26-12-2015**

**Shivanagara.**

Parameters	DAY - tick (✓) for Complied, x for not applicable and blank for not complied																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ction boards, warning boards/signs, provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ty measures (barricading and warning s) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ering for dust mitigation undertaken	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
act Sign Board provided with complete	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ils including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
age clearance of drains done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ring of Debris to avoid obstruction to	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
les and walking done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ches are opened and filled in the least	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ible time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
er disposal of debris done	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
er coverage to vehicles while	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
porting debris provided	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ing stockpiles of sand and metals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
about	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
amination of groundwater /	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ewater is not noticed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
med public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
truction work stopped during night and	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ss to public and private properties	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ded	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
native Traffic Plan provided especially	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ehicles and pedestrians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ersons below: under the age of 14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ayed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ers wearing helmets, gloves and	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
, etc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ship and inconvenience to	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
z/business grievance received	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
iture of Program Consultant - CSS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
iture of Contractor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ature of NKUSIP Cell - AEE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**Package No. & Name of Work:** Davanagere, 03DVG02A  
Design, Supply, Installation, Commissioning and operation & Maintenance of Sewerage Treatment Plant (SBR) of 20 MLD Capacity and Rehabilitation of existing STP (WSP) in Drainage District-1 of Davanagere City Corporation.

**Month: Oct-14**  
Work completed (% to total) :

**Location of work ongoing:** PCC and Steel fabrication for CCT and SBR

**Site of work ongoing:** Shivanagara.

**Date of Commencement:** 27-03-2014  
**Date of Completion:** 26-12-2015

**DAY - tick (✓) for Complied, x for not applicable and blank for not complied**

Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
and Safety Talk conducted by contractor before the start of work																															
labours as per attendance register	49	51	46	47	26	46	48	49	52	51	46	22	48	52	43	51	49	48	49	55	52	48	47	47	45	24	48	49	46	52	51
Signature of Program Consultant - CSS																															
Signature of Contractor																															
Signature of NKUSIP Cell - AEE																															

**8. Status of Clearances/Approvals**

Town	Component	Consent obtained from KSPCB (Estab) <sup>1</sup>	Compliance to KSPCB consent submitted <sup>2</sup>	Consent obtained from KSPCB (Operation) <sup>3</sup>	Remarks <sup>4</sup>
Bijapur	Sewerage (02 BJR 02)	NA	NA	NA	Work under progress
	STP & Sewerage (02 BJR 02A)	31-Mar-2011 (expired)	15-Jul-2011	ND	Work under progress. Applied for renewal of CFE
	Sewerage (02 BJR 02B)	NA	NA	NA	Work under progress
Gadag-Betageri	WS (03 GDG 01)	NA	NA	NA	Work under progress
	WS & WTP (03GDG01A)	NA	NA	NA	Work under progress
Hubli	Sewerage (02 HUB 02)	NA	NA	NA	Work under progress
	Sewerage (02 HUB 02A)	NA	NA	NA	Work under progress
	STP (02 HUB 02B)	15-Apr-2011 (expired)	4-Jun-2011	ND	Work under progress Need to apply for CFO
Dharwad	Sewerage (03 DWD 02)	NA	NA	NA	Work under progress
	STP (03 DWD 02A)	28-Jan-2013	04-jun-2014	ND	Work under progress.
Haveri	WS (01 HVR 01)	NA	NA	NA	Work completed
	STP & Sewerage (01 HVR 02)	25-Aug-2009 (Expired)	15-Oct-2011	ND	No Contractor. Applied for renewal of CFE
Ranebennur	STP & Sewerage (02 RNR 02)	23-Oct-2009 (Expired)	04-Oct-2011	ND	No Work under progress. KSPCB informed no need to renew, go for CFO
Davangere	WS (02 DVG 01)	NA	NA	NA	Work under progress
	Sewerage (03 DVG 02)	NA	NA	NA	Work under progress
	STP (03 DVG 02A)	09-Aug-2012	07-Jan-2013	ND	Work under progress

<sup>1</sup> For STP only; consent valid for 3 years

<sup>2</sup> For STP only; this should be done within 30 day of receipt of KSPCB consent for establishment

<sup>3</sup> For STP only this has to done 45-60 days prior to commissioning for trial

<sup>4</sup> Any other important deviations/notes/clearances should be recorded here and IEE status of Tranche 3. Application submission dates of clearances/consent, etc. Conditions/compliance of consent should also be recorded here. Training on environmental safeguards register.



**9. Display of Executive Summary of IEE, in Kannada**

**Tranche 1 & 2**

**Bijapur, Hubli, Haveri, Ranebennur and Davangere** – Displayed in August 2011 and information provided in November 2011 EMP Report

**Tranche 3**

**Gadag Betageri** – Displayed in August 2011 and information provided in November 2013 EMP Report

**Dharwad** – Displayed in April 2013 and information provided in April 2013 EMP Report

**Davanagere** – Displayed in February 2012 and information provided in February 2012 EMP Report

## 10. Status of Labor Registration

The status of submission of Labor Licenses and its validity are presented below;

Town	Submission Status	License Period	Reference	Remarks
Ranebennur	02RNR02 - Submitted	15.06.2013 - 14.06.2014 – 14.06.2015	Enclosed as annexure in this report	Contractor submitted renewed license.
Bijapur	02BJR02 – Submitted	04.06.2013 - 31.01.2014, Extended upto 31.01.2015	Given as Annexure 14 (b) in the EMP report July 2014	Contractor submitted the renewed license
	02BJR02A – Submitted	04.06.2013 - 31.01.2014 Extended up to 31.01.2015	Given as Annexure 14(c) in the EMP report July 2014	Contractor submitted the renewed license
	02BJR02B – Submitted	02.06.2012 – 02.06.2013 Extended up to 10.01.2015	Given as Annexure 14 in the EMP monthly report March 2014	Contractor submitted the renewed license
Hubli	02HUB02 - Submitted	19.12.2012- 13.09.2013. to 13.09.2014(Expired)	Enclosed as Annexure 13 in the Dec 2013 EMP report	Contractor has to renew the license
	02HUB02A - Submitted	19.12.2012- 13.09.2013; Extended to 13.09.2014 (Expired)	Enclosed as Annexure 13 in the Dec 2013 EMP report	Contractor has to renew the license
	02HUB02B - Submitted	30.05.2013- 30.05.2014 (expired)	Enclosed in EMP report May 2013 Report	Contractor has to renew the license
Dharwad	03 DWD 02 - Submitted	31.07.2013- 31.07.2014 (expired)	Enclosed in Jan. 2013 Report	Contractor has to renew the license
	03 DWD 02A - Submitted	01.04.2013 – 31.03.2014 Extended upto 31.03.2015	Enclosed as Annexure 14 (a) in the month of June.	Contractor submitted the renewed license
Haveri	01HVR01 – Not Submitted	Nil	Nil	
	01 HVR 02 –	11.09.2012 - 31.12.2016	Enclosed in Aug Report	Contractor has demobilized without completing the works.
Davanagere	02 DVG 01 - Submitted	28.06.2013 to 28.06.2014 (expired)	Enclosed in June 2013 Report	Contractor has to renew the license
	03 DVG 02	Not Submitted	Nil	Contractor has not submitted the license
	03 DVG 02A	21.05.2015	Nil	Contractor Submitted renewed licence

## Annexure 15

**GOVERNMENT OF KARNATAKA  
DEPARTMENT OF LABOUR**

Office of the  
Asst. Labour Commissioner  
& Licensing Officer,  
Dharwad Division,  
Sujata Complex,  
HUBLI

**FORM - VI  
(See Rule 25 (1))  
LICENCE**

Licence No. ALCH/CLA/LICE- 38/2011.  
Fees Rs1500 /-S.B.I, Hubli. Ch.No:46  
Date:30-05-2011

Dated: 31-05-2011  
Security Deposit Rs. 1500/-  
Ch.No:45, Dated 30-05-2011

1. Licence is hereby granted to **RAMKY INFRASTRUCTURE LTD.,  
IN J.V. WITH APR. PROJECTS PVT. LTD., PLOT NO:788,  
RADHAKRISHNA NAGAR, ATTAPUR, HYDERABAD-48** under section 12(1)  
of the Contract Labour (Regulation and Abolition) Act, 1970, subject to the conditions  
specified in Annexure.

2 This Licence is for doing the work of **CONSTRUCTION WORK** in the  
establishment of **CITY MUNICIPAL COUNCIL, RANEBENNUR** This  
Licence shall remain in force till **31-03-2012 (01-04-2011 to 31-03-2012)**

Date: 31-05-2011

Signature and seal of the Licensing Officer  
Licensing Officer,  
Under Contract Labour Act &  
Assistant Labour Commissioner,  
Dharwad Dvn., HUBLI.

**Renewal  
(Rule-29)**

Date of renewal	Fee paid for renewal	Date of Expiry	Signature and seal of the Licensing Officer
(1)	(2)	(3)	(4)
5-5-2012	ರೂ. 1875=00 SBI ಚೆ.ಸಿ. 100 ದಿ: 2-5-2012	31-03-2013	Licensing Officer, Under Contract Labour Act & Assistant Labour Commissioner, Dharwad Dvn., HUBLI.
15-6-2013	ರೂ. 1500 + 375=1875-00 SBI, ಎಫ್.ಎಸ್.ಎಸ್. ಬ್ರಾಂಚ್ ಚೆ.ಸಿ. 14, ದಿ: 7-6-2013	14-06-2014	Licensing Officer, Under Contract Labour Act & Assistant Labour Commissioner, Dharwad Dvn., HUBLI.
12-8-2014	ರೂ. 1875-00 SBI, ಎಫ್.ಎಸ್.ಎಸ್. ಬ್ರಾಂಚ್ ಚೆ.ಸಿ. 168 ದಿ: 18-7-2014	14-06-2015	Licensing Officer, Under Contract Labour Act & Assistant Labour Commissioner, Dharwad Dvn., HUBLI.

**EMP MONITORING REPORT OF PACKAGE 2 –  
NOV 2014**

## **Visit report to UGD network & STP at Gokak**

Package - 02 GKK 02

Visited the STP & UGD network at Gokak on 24<sup>th</sup> Nov 2014 accompanied by CSS & RE of Gokak. Given below are the observations with the photographs.

1. The fencing all round the STP is complete.
2. Generally, the house keeping in and around the STP was found to be OK. Still, there is some scope for improvement in housekeeping near chlorine contact tank area.
3. 10 persons were working in FAL area involved in bar bending and other peripheral activities. The adherence to PPE was found to be less than 50%. It is to be noted that wearing of required PPE is a statutory requirement and it must be strictly adhered to. As per GCC 18.1, "the contractor is responsible for the safety of all activities at site" and as per GCC 78.1; "the contractor is responsible for safety, security and protection of environment at site".
4. The house keeping at the sewage pumping station was not upto the mark. Needs to be improved with immediate effect.
5. The transformer installed at the STP to be provided with all round fencing.
6. There were no labours housed at the STP area.
7. No contamination of the ground water was noticed.
8. Water spray was being done on the roads where excavation for UGD network has been done.
9. No child labours were employed at the work site.

Photographs showing work in progress at STP, Gokak



Fencing all round the STP at Gokak



Workers with partial compliance to PPE



Project Information board needs to be updated



Transformer area without fencing



## Visit report to UGD network & STP at Ilkal

Package - 02 ILK 02

Visited the STP & UGD network at Ilkal on 26<sup>th</sup> Nov 2014 accompanied by Design engineer of Belgaum, CSS & RE of Ilkal and the project manager of the Contract agency. Given below are the observations with the photographs.

Work was in progress at the STP site and UGD network site.

### STP

1. No child labours were employed at the work site.
2. The house keeping in and around the STP was found to be in good condition.
3. The workers in FAL type STP were found only with helmets. Instructed the project manager to provide safety shoes to all the workers.
4. Only safety tapes were provided as barricading for the waterlogged areas. Instructed the contract agency to provide hard barricading all round the waterlogged areas.
5. First aid box with required medicines was noticed at site.

Photographs showing work in progress at STP, Ilkal



Workers with only helmet at the work site



No barricading around the waterlogged areas

## UGD network

1. No child labours were employed at the work site.
2. Hard barricading was noticed around the trenches excavated for UGD network.
3. Majority of the work force was with required PPE at the work site.
4. Public announcement was being done at the UGD site before start of work to educate / inform the public regarding the precautions to be taken while moving in the area.
5. The stacking of materials being used for UGD network was found to be systematic
6. The labour shed for housing workers was found to be in good condition. There were separate bathrooms & toilets for ladies & gents.
7. There was no contamination of the ground water at the work site.

Photographs showing work in progress at UGD site, Ilkal



Hard barricading at the work site.



Announcer making public announcement before start of work





Workforce with the required PPE.



Proper stacking of material at the stock yard.

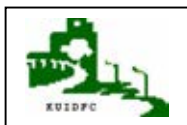


Toilets for ladies & gents



Labour sheds for housing work force

**EMP MONITORING REPORT OF PACKAGE 4 –  
NOV 2014**



**KARNATAKA URBAN INFRASTRUCTURE  
DEVELOPMENT & FINANCE CORPORATION**

**REPORT ON  
ENVIRONMENT MANAGEMENT PLAN OF BELLARY CMC  
FOR THE MONTH OF  
NOVEMBER 2014**



**SNC-LAVALIN Infrastructure Pvt. Ltd**

## **CONTENTS**

- 1.0 Introduction**
- 2.0 Permissions & Consents**
- 3.0 Field Visits & Trainings Conducted**
- 4.0 Compliance to EMP**
- 5.0 Redress of Grievances**
- 6.0 Labour Licence**
- 7.0 Summary & Conclusion**
- 8.0 Annexures**

**Monthly Report on Environment Management Plan (EMP) in BELLARY, CMC**

**1. Introduction:**

The components taken up for BELLARY CMC are detailed in the following Table.

<b>Package</b>	<b>Sub Project</b>	<b>Physical completion (%)</b>	<b>Date of award of contract</b>	<b>Date of scheduled completion</b>	<b>Date of extensions if any</b>
02 BLY 01 A	Water supply	98	27.04.2011	26.10.2012	EOT - III 26.12.14
02 BLY 01 B	Water supply	76	17.10.2011	16.10.2013	EOT - III 31.12.14
02 BLY 01 C	Water supply	78	27.04.2011	26.10.2013	EOT – III 26.10.15

The Initial Environment Examination (IEE) Report submitted to ADB in the year 2010. The status of Environment Management Plan (EMP) for the month of November 2014 is presented in the following sections.

**2. Permission/ Consents/ Clearances/ Approvals:**

<b>Particulars</b>	<b>Sub project</b>	<b>NH</b>	<b>Railways</b>	<b>KPTCL/ HESCOM</b>	<b>BSNL</b>	<b>KSPCB</b>
Status of Consents / Clearances / Permissions / Approval	Water supply	Obtained on 07.02. 2012	Obtained on 19.10.2012	Obtained as and when required	Obtained on 06.09.2012	NA

**3. Field visit & trainings conducted**

<b>Field visit</b>	<b>Date</b>	<b>Site visited</b>	<b>Persons met</b>	<b>Remarks</b>
	20.11.14	Works at Sangankal & Alipura	AEE, CSS – PC, RE-PC, PM - Contract agency, site engineer, Supervisor & workers.	ES (PC) visited the water treatment plants at Sangankal and Allipura. EC observed a number of non- compliances at all the above sites. The details of non – compliances along with the photographs are given in the subsequent paragraphs.

Training	Date	Place	Subject	Participants
	20.11.14	Works at Sangankal & Alipura	<p>Orientation Program for Implementing agency and executing agency covering following topics:</p> <ol style="list-style-type: none"> <li>1. Explanation on ADB Safeguards policy.</li> <li>2. Summary of IEE report and explanation of mitigation measures.</li> <li>3. Review of the mitigation measures included in the contract agreement.</li> <li>4. Environmental issues related to urban infrastructure investment programs during construction</li> <li>5. Importance of on - the -job - training on safety of workers, hazards related to construction work site and the preventive measures,</li> <li>6. Probable inconvenience to community at the project site and plan to mitigate the impacts,</li> <li>7. Environmental safeguard and responsibilities of the Contractor.</li> <li>8. Importance of EMP.</li> <li>9. Environmental monitoring at site.</li> <li>10. On site waste management plan.</li> <li>11. Tool box talk</li> </ol>	22 participants Including workers at site (List of participants given in annexure-3)

#### 4. Compliance to EMP:

Package 02BLY 01B			
Construction Stage Monitoring	Water supply	Compliance	<ol style="list-style-type: none"> <li>1. Contamination of ground water / surface water was not noticed.</li> <li>2. Project sign board with all the details was noticed at Sangankal</li> <li>3. No persons employed under 14 years of age</li> <li>4. Accident register and public grievance register were available at Sangankal &amp; Alipura site offices.</li> </ol>
		Non-compliance	<ol style="list-style-type: none"> <li>1. There was no project sign board at Allipur project site.</li> <li>2. There is no boundary at Sangankal WTP area. The area is accessible to public.</li> <li>3. The adherence to PPE was found to be very poor in Allipur &amp; Sangankal WTP areas.</li> <li>4. The labour sheds provided at the Sangankal to be dismantled. This has</li> </ol>

			<p>been instructed to the contract agency time and again.</p> <p>5. The house keeping at Sangankal and Allipur was found to be in poor condition.</p> <p>6. There was no water spraying near the working area to suppress the dust.</p> <p>7. The first aid box was without the required medicines at Sangankal site.</p> <p>8. The “tool box talk” which was initiated in both Sangankal &amp; Allipur is not being practiced on a continuous basis.</p>
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#### 5. Redress of Grievances:

<b><i>Sub project</i></b>	<b><i>Registers maintained</i></b>	<b><i>No. of grievances received</i></b>	<b><i>Action taken</i></b>
Water supply	Public grievances register being maintained at Sangankal, Moka & Alipur site.	No grievances registered.	Instructed the contracting agency to register the grievances & take immediate corrective and preventive action.

#### 6. Labour Licence:

- Labour licence valid upto 31.12.2016 is in place
- Maximum allowable work force that can be employable is 15. The actual labours employed was more than 15
- No child labours were employed by the contract agency.



## 7. Summary and Conclusions:

Monitoring of EMP (Environment Management Plan) is being done daily for the critical issues and Environmental Safeguards being followed. However, the following issues need to be addressed.

<b>SL</b>	<b>Issues/ Deviations</b>	<b>Corrective Actions to be taken</b>
1.	Helmets, hand gloves, safety shoes not available for all workers.	Instructed the contractor's representative to provide helmets, hand gloves, safety shoes to all workers with immediate effect. Safety goggles to be provided for the workers engaged in controlled blasting / chiseling operation as it generates lot of dust. Hand gloves to be provided for the persons engaged in cement work, concreting & bar bending work / binding. Oxygen cylinders (SCBA- Self Contained Breathing Apparatus) to be provided for the persons working in confined area / trenchless technology work.
2	Safety measures (barricading and warning sign) not provided at excavated site.	Instructed the contractor's representative to provide the barricading & warning boards at work site with immediate effect. This is more important & serious at Alipur & Sangankal areas where work is in progress.
3	Safety talk before start up of any activities / work	The tool box talk which was initiated in Sangankal & Allipur sites need to be practiced regularly before the start of work. The same needs to be replicated in other project sites also.
4	Clear work place	The work place at Sangankal WTP site was littered. The debris & useful construction material to be segregated and kept in an earmarked area.
5	Dust control	Water spray was not being done regularly to control the dust arising due to blasting activity. Water should also to be sprayed on sand & metal.
6	Labour licence certificate	Though the labour licence certificate which is valid upto 31.12.2016 is available, maximum man power approved is only 15. The contractor is engaging more than 15 man power at any point in time. The labour licence certificate of the contractor needs to be amended with a permission to engage more man power.
7	Removal of hutments / sheds of contractors	The hutments / sheds of the contract agency to be dismantled from the work sites with immediate effect. This is as per the instruction of Task Manager, during the review meeting held in Bangalore on 2 <sup>nd</sup> July 2014.

## 8. Annexures

1. Daily monitoring sheet as annexure I
2. Photographs as annexure II.
3. List of participants attended the training as annexure III.
4. Copy of labour licence certificate as annexure IV

Daily Monitoring

Annexure I

CITY, Package No. & Name of Work: Improvement to the water supply system for Bellary city corporation, Bellary.

Month: October- 201

Description of work ongoing: plastering work ,Brick work in RSF,shuttering & barbending work in Tube settler,pump house in 20 MLD,pastering work in RSF ,Pump house shuttering&

Work completed (% to to α) : 76%

Locations of work ongoing: 20 MLD WTP,15MLD WTP

Date of Comencement an. C mpletion :17-10-2011/16-04-2013- EOT-I,EOT-II-2 ,12.2014.

DAY - tick (✓) for Complied, x for not applicable and blank for : complied

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
1	Direction boards, warning boards/signs, etc provided																																			
2	Safety measures (barricading and warning signs) for Excavated Earth works observed				✓	✓	✓	✓	✓	✓		✓	✓	✓		✓			✓	✓	✓	✓	✓	✓		✓	✓		✓	✓						
3	Watering for dust mitigation undertaken																																			
4	Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
5	Blockage clearance of drains done					✓								✓									✓	✓												
6	Clearing of Debris to avoid obstruction to vehicles and walking done				✓	✓			✓	✓							✓									✓	✓	✓	✓	✓	✓					
7	Trenches are opened and filled in the least possible time				✓	✓	✓	✓	✓	✓			✓						✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓					
8	Proper disposal of debris done				✓	✓	✓	✓	✓	✓		✓	✓						✓	✓																
9	Proper coverage to vehicles while transporting debris provided																																			
10	Wetting stockpiles of sand and metals carried out													✓	✓	✓						✓	✓	✓		✓	✓	✓								
11	Contamination of groundwater / surfacewater is not noticed	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
13	Construction work stopped during night and early morning hours	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					
14	Access to public and private properties provided				✓	✓				✓		✓					✓			✓	✓						✓	✓								
15	Alternative Traffic Plan provided especially for vehicles and pedestrians				✓	✓	✓					✓	✓	✓	✓	✓				✓	✓					✓	✓	✓	✓	✓	✓					
16	No Persons below under the age of 14 employed	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓					
17	Workers wearing helmets, gloves and boots, etc.							✓	✓	✓			✓	✓	✓				✓			✓	✓			✓	✓	✓								
18	Hardship and inconvenience to public/business grievance received																																			
19	Health and Safety Talk conducted by Contractor before the start of work																																			
20	No. of labours as per attendance register	55	50	40	55	50	55	55	50	65	40	8	9	10	11	12	9	25	25	35	30	35	35	25	4	25	25	35	25	30	35	35				
	Signature of Program Consultant - CSS	[Signature]																																		
	Signature of Contractor	[Signature]																																		
	Signature of NKUSIP Cell - AEE	[Signature]																																		

Month: October- 2014

Work completed (% to to ) : 77%

Date of Commencement and Completion :27-04-2011/26-10-2012, EOT-I-26.10.2013 EOT-II-26.10.2014

KUIDFC

# Environment Management Plan (EMP), BELLARY CMC – November 2014

CITY, Package No. & Name of Work: Improvement to the water supply system for Bellary city corporation, Bellary.

Description of work ongoing: Erection of EOT crane 10 ton ,painting work in Pumphouse cum Jack well in package-02BLY01A

Locations of work ongoing: EOT 10 Ton work, Painting work in Jack well cum pump house.

Month: October- 2014

Work completed (% to total) : 98%

Date of Comencement and Completion : 27-04-2011/26-10-2012, EOT-I-27.04.2013, EOT-II-26.12.2013, EOT-III-26.06.2013, EOT-IV-26.12.2014.

DAY - tick (✓) for Complied, x for not applicable and blank for not complied

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	Direction boards, warning boards/signs, etc provided																																
2	Safety measures (barricading and warning signs) for Excavated Earth works observed								✓			✓	✓	✓		✓					✓						✓	✓					
3	Watering for dust mitigation undertaken																																
4	Project Sign Board provided with complete details including contact no.																																
5	Blockage clearance of drains done						✓	✓						✓									✓	✓									
6	Clearing of Debris to avoid obstruction to vehicles and walking done				✓	✓			✓	✓							✓																
7	Trenches are opened and filled in the least possible time												✓														✓	✓	✓				
8	Proper disposal of debris done				✓	✓						✓	✓						✓	✓													
9	Proper coverage to vehicles while transporting debris provided																			✓	✓												
10	Wetting stockpiles of sand and metals carriedout																																
11	Contamination of groundwater / surfacewater is not noticed	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Construction work stopped during night and early morning hours	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	Access to public and private properties provided				✓	✓				✓		✓					✓		✓	✓								✓	✓				
15	Alternative Traffic Plan provided especially for vehicles and pedestrians											✓	✓	✓	✓	✓			✓	✓		✓	✓				✓	✓	✓	✓			
16	No Persons below under the age of 14 employed	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
17	Workers wearing helmets, gloves and boots, etc	✓																														✓	
18	Hardship and inconvenience to public/business grievance received																																
19	Health and Safety Talk conducted by Contractor before the start of work																																
20	No. of labours as per attendance register																																
	Signature of Program Consultant - CSS																																
	Signature of Contractor																																
	Signature of NKUSIP Cell - AEE																																



**Annexure II**

**Project site Photographs of Bellary CMC**

<b>Project Package: 02 BLY 01 B</b>	
<b>Location: Allipur WTP, Bellary</b> <b>Date: 20<sup>th</sup> Nov 2014</b>	<b>Location: Sanganakal WTP, Bellary</b> <b>Date: 20<sup>th</sup> Nov 2014</b>
 <p><b>Area near the trenchless technology work site, without any barricading</b></p>	 <p><b>Workers at Sanganakal without any PPE.</b></p>
<b>Location: Sanganakal WTP, Bellary</b> <b>Date: 16<sup>th</sup> 18<sup>th</sup> &amp; 21<sup>st</sup> Oct 2014</b>	<b>Location: Sanganakal WTP, Bellary</b> <b>Date: 16<sup>th</sup> 18<sup>th</sup> &amp; 21<sup>st</sup> Oct 2014</b>
 <p><b>Workers without PPE at the work site</b></p>	 <p><b>RE – PC with required PPE during work supervision</b></p>


**Annexure III**

**List of participants attended the training on compliance to EMP**

<b>Sl. No</b>	<b>Name</b>	<b>Designation</b>	<b>Contact no.</b>
1	Mr. Rahamtullah	CSS - PC	9632254856
2	Mr. Sreenivas Reddy	RE – PC	9902145953
3	Mr. S.N.Mallikarjuan	RE – PC	9036048915
4	Mr. Imtiaz	PM – Contract agency	
5	Mr. Gajanana Hegde	Site Incharge - Contract agency	
6	15 workers at Sangankal		
8	9 workers at Allipur		



Labour Licence Certificate

  
ಕರ್ನಾಟಕ ಸರ್ಕಾರ : ಕಾರ್ಮಿಕ ಇಲಾಖೆ  
GOVERNMENT OF KARNATAKA - DEPARTMENT OF LABOUR  
ಸಂಸ್ಥೆಗಳ ನೋಂದಣಿ ಪತ್ರ  
REGISTRATION CERTIFICATE OF ESTABLISHMENT

ಸಮೂಹ 'ಸಿ' (4ನೇ ನಿಯಮದನ್ವಯ ನೋಂದಣಿ)  
FORM 'C' (See Rule 4)

1. ನೋಂದಣಿಯ ಕ್ರಮ ಸಂಖ್ಯೆ : ಸಂಖ್ಯೆ/ಶಿ.ಸಂ. 1/ವಿ.ಸಂ. 18/ಎಂ. ಸಂ-372/2012  
Registration No.

ಸಂಸ್ಥೆಯ ಹೆಸರು : ಮೆ.ಎಂ.ಎಸ್. ಸಿ.ಎಂ.ಎಸ್. ಇನ್‌ಫ್ರಾಸ್ಟ್ರಕ್ಚರ್ ಲಿಮಿಟೆಡ್  
Name of the Establishment

ಮಾಲೀಕರ ಹೆಸರು : ಶ್ರೀ. ಶ್ರೀಧರ ಕಟ್ಟಿ ಸಿಂ ಪೆಂಟೆಂಟರಿಯಲ್ಸ್  
Name of the Employer

ವ್ಯವಹಾರದ ಸ್ವರೂಪ : ನೀರಿನ ಪೈಪ್ ಲೈನ್  
Nature of business

ಸಂಸ್ಥೆಯ ಅಂಚೆ ವಿಳಾಸ : D.ನಂ.18/ಓ.ಸಿ. ಮಹೇಂದ್ರನಗರ. 4ನೇ ಮಿ. ಹಿ. 2ನೇ ಘಟ್ಟ  
Postal address of the establishment

ಕೆಲಸಗಾರರ ಸಂಖ್ಯೆ : ಪುರುಷರು 11 ಮಹಿಳೆಯರು 04  
Number of persons employed


ನೋಂದಣಿ ಪಾವತಿ ಪಾವತಿದ ಹಣ : ರೂ. 3000-00  
Registration fee Paid

07  
12/12/12  
25/12/12  
ಖಾತೆ: 12/12/2012

ಕಾರ್ಮಿಕ ನಿರೀಕ್ಷಾಧಿಕಾರಿ  
ಕರ್ನಾಟಕ ಶಾಖಾ ಮತ್ತು ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಗಳ ನಿಯಂತ್ರಣ ಕಾಯಿದೆ 1961  
ಡಿ.ಆರ್.ಎಸ್. ಕಾರ್ಯಾಲಯ

Office of the Inspector  
Under Karnataka Shops and Commercial  
Establishments Act, 1961

ಕರ್ನಾಟಕ ಅಂಗಡಿಗಳ ಮತ್ತು ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಗಳ ಕಾಯಿದೆ 1961 ರ ಪ್ರಕಾರ  
ಈ ಸಂಸ್ಥೆಯನ್ನು ಸಂಖ್ಯೆ 11ನೇ ಎಂ. ಸಂ. 372/2012  
20 12 ರಂದು ಅಂಗಡಿಯಾಗಿ / ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಯಾಗಿ ನೋಂದಾಯಿಸಲಾಗಿದೆ ಎಂದು ಈ ಮೂಲಕ ಪರಿಶೀಲಿಸಲಾಗಿದೆ.  
ಈ ನೋಂದಣಿಯ ದಿನಾಂಕ 31/12/2016 ರವರೆಗೆ ಪರಿಣಾಮವುಳ್ಳದು.  
It is hereby certified that the ..... has been  
Registered as a Shop / Commercial Establishment under the Karnataka Shops and Commercial Establishments  
Act, 1961, this ..... day of ..... 20 .....  
The Registration is valid upto .....

  
Signature of the Inspector and Seal



## **KARNATAKA URBAN INFRASTRUCTURE DEVELOPMENT & FINANCE CORPORATION**

# **REPORT ON ENVIRONMENT MANAGEMENT PLAN OF HOSPET CMC FOR THE MONTH OF NOVEMBER 2014**



**SNC-LAVALIN Infrastructure Pvt. Ltd**

## **CONTENTS**

- 1.0 Introduction**
- 2.0 Permissions & Consents**
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- 8.0 Annexures**

**Monthly Report on Environment Management Plan (EMP) in CMC, HOSPET**

**1. Introduction:**

The components taken up for HOSPET, CMC are detailed in the following Table.

<b>Package</b>	<b>Sub Project</b>	<b>Physical Completion (%)</b>	<b>Date of award</b>	<b>Scheduled Date of completion</b>	<b>Date of extensions if any</b>
01HPT 02 A	Improvements to sewerage system in Hospet (UGD system)	48	31.10.2011	29.03.2012	31.12.2014
01HPT 02 B	Improvements to sewerage system in Hospet (STP)	80	31.10.2011	29.03.2012	31.12.2014

The Initial Environmental Examination (IEE) Report submitted to ADB in the year 2010. The status of Environment Management Plan (EMP) for the month of October 2014 is presented in the following sections.

**2. Permission/ Consents/ Clearances/ Approvals:**

Name of the scheme	Contract package	Railways	PWD	Irrigation	KSPCB
UGD	01HPT02A	Approved on 12-08-2013	Approved 06/12/2010 & 22/05/2014	Approved on 24-12-2010	Not required
UGD	01HPT02B	Approved 12-08-2013	Approved 06/12/2010	Not required	Approved 10-12-2010

**3. Field visit & training conducted**

Field Visit	Date	Sites visited	Persons met	Remarks
	8 <sup>th</sup> & 19 <sup>th</sup> Nov 2014	Sewage Treatment Plant and UGD network sites near AC office road, Sandur road, Depot road & Valmiki circle	AEE, CSS – PC, RE-PC, Project Manager - Contractor, Dy. project manager – Contractor, site engineer, Supervisor & workers.	ES (PC) visited the STP & UGD areas. Work was in progress in the STP and UGD network sites. ES observed a number of non-compliances at the STP & UGD sites. The details of non – compliances along with the photographs are given in the subsequent paragraphs.

Training	Date	Place	Subject	Participants
	8 <sup>th</sup> & 19 <sup>th</sup> Nov 2014	Sewage Treatment Plant and UGD network sites near AC office road, Sandur road, Depot road & Valmiki circle	<p>Orientation Program for Implementing agency and executing agency covering following topics:</p> <ol style="list-style-type: none"> <li>1. Explanation on ADB Safeguards policy 2009.</li> <li>2. Summary of IEE report and explanation of mitigation measures.</li> <li>3. Review of the mitigation measures included in the contract agreement.</li> <li>4. Environmental issues related to urban infrastructure investment programs during construction</li> <li>5. Importance of on - the -job - training on safety of workers, hazards related to construction work site and the preventive measures,</li> <li>6. Arising inconvenience to community at the project site and plan to mitigate the impacts,</li> <li>7. Environmental safeguard and responsibilities of the Contractor.</li> <li>8. Importance of EMP.</li> <li>9. Environmental monitoring at site.</li> <li>10. On site waste management plant</li> <li>11. Tool box talk</li> </ol>	33 participants Including 28 workers at site. (List of participants given in annexure-3)

#### 4. Compliance to EMP:

	Sub Project	Status of compliance	Compliance to EMP
Construction Stage Monitoring	UGD	Compliance	<ol style="list-style-type: none"> <li>1. Contamination of ground water / surface water was not noticed.</li> <li>2. The people / shopkeepers of the</li> </ol>

			<p>working area have been informed before execution of the work.</p> <ol style="list-style-type: none"> <li>3. No persons below 14 years of age were employed.</li> <li>4. Accident register &amp; public grievance registers are being maintained in the STP.</li> <li>5. Warning boards have been provided at some locations</li> </ol>
Construction Stage Monitoring	UGD	Non - compliance	<ol style="list-style-type: none"> <li>1. Warning boards have not been provided at all the work places.</li> <li>2. The barricading provided at the work sites was inadequate and was found to be unsafe. Hard barricading to be provided at the UGD network site</li> <li>3. The road restoration work to be done properly at the sites where the work is completed.</li> <li>4. Majority of the workers at the UGD site were without PPE.</li> <li>5. Significant dust emission noticed near Sandur road, Valmiki circle.</li> </ol>
Construction Stage Monitoring	STP	Compliance	<ol style="list-style-type: none"> <li>1. Contamination of ground water / surface water is not noticed.</li> <li>2. No persons below 14 years of age were employed.</li> <li>3. Accident &amp; Public Grievance Registers are being maintained</li> </ol>
		Non - compliance	<ol style="list-style-type: none"> <li>1. There was no project sign board furnishing details of the project.</li> <li>2. No barricading of the site for excavated &amp; low lying areas.</li> <li>3. The electrical cables were found hanging at a number of locations</li> <li>4. The entire work force was working without PPE. Instructed the contract agency to provide required PPE and insist on them to wear during the work.</li> <li>5. There was no first aid box at the project site.</li> <li>6. The temporary sheds which were provided to house the contract labours still exist in the STP site. These sheds to be dismantled from</li> </ol>



			the STP site with immediate effect. 7. House keeping at the STP site was found to be very poor
--	--	--	---

#### 5. Redress of Grievances:

<b>Sub project</b>	<b>Registers maintained</b>	<b>No. of grievances received</b>	<b>Action taken</b>
Sewerage Treatment Plant	Yes	No grievances recorded	Instructed the contracting agency to record any grievances and take corrective / preventive action to rectify the issues.
UGD	Yes	No grievances recorded	

#### 4. Labour licence :

- Labour licence valid upto 10.01.2015 is in place
- Maximum allowable work force that can be employable is 100. The actual labours employed is less than 100
- No child labours were employed by the contract agency.

#### 5. Summary and Conclusions:

Monitoring of EMP (Environment Management Plan) is being done daily for the critical issues and Environmental Safeguards being followed. However, the following issues need to be addressed.

<b>SL</b>	<b>Issues/ Deviations</b>	<b>Corrective Actions to be taken</b>
1.	Helmets, hand gloves, safety shoes not available for all workers.	Instructed the contractor's representative to provide quality helmets, hand gloves, safety shoes to all workers with immediate effect. More than 90% of the workers were without PPE The contractor has been advised to insist on all the work force for use of PPEs.
2	Safety measures (barricading and warning sign) not provided at excavated site.	Instructed to Contractor's representative to provide the barricading and warning boards at all the work sites with immediate effect. Hard barricading needs to be provided and the same to be painted with alternate black & white strips. Red lanterns or warning lights of similar type shall be mounted on the barricades at night and kept lit throughout from sun-set to sun-rise. It is to be ensured that the work of laying pipe line & backfilling to be expedited at the excavated area.
3	No safety talk before start up of any activities / work	Instructed the contractor to initiate tool box talk at the project sites every day morning before start of the work.
4	House keeping at the STP site	The work place at STP site was littered. The debris & useful construction material to be kept in an earmarked area.
5	Watering the work area for dust control	There was no watering of the area for dust mitigation. This is to be carried out regularly in the STP site and all the UGD network sites.
6	Removal of hutments / sheds of contractors	The hutments / sheds of the contract agency to be dismantled from the work sites with immediate effect. The contract agency has not taken any action, in-spite of our repeated reminders.
7	Plantation work around the periphery of STP.	The plantation activity around the periphery of STP to be taken up immediately as the survival rate of plants during summer seasons gets affected.

**8.0 Annexures:**

1. Daily monitoring report as annexure I
2. Photographs as annexure II
3. List of participants attended the training as annexure III.
4. Copy of labour licence certificate as annexure IV
5. Environment Safeguards at STP as annexure V
6. Critical safeguards as annexure VI

Daily Monitoring Report

Annexure I

CITY, Package No. & Name of Work: **HOSPET UGD 2A PACKAGE**

Description of work ongoing: **Accpice road, Depot road, SisSamsallu area.**

Locations of work ongoing: **Accpice road, Depot road, SisSamsallu area.**

Month: **NOV - 2014**

Work completed (% to total): **48%**

Date of Commencement and Completion: **31st Dec 2014**

③

DAY - tick (✓) for Complied, x for not applicable and blank for not complied

SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Direction boards, warning boards/signs, etc	✓	X	X	X	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Watering for dust mitigation undertaken	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Project Sign Board provided with complete details including contact no.	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Blockage clearance of drains done	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Clearing of Debris to avoid obstruction to vehicles and walking done	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Trenches are opened and filled in the least	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Proper disposal of debris done	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Proper coverage to vehicles while transporting debris provided	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Wetting stockpiles of sand and metals carried out	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Contamination of groundwater / surfacewater is	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Informed public of work in the area	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Construction work stopped during night and early morning hours	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Access to public and private properties provided	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	No Persons below under the age of 14 employed	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Workers wearing helmets, gloves and boots, etc	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Hardship and inconvenience to public/business grievance received	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Health and Safety Talk conducted by Contractor before the start of work	✓	X	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	No. of labours as per attendance register		X							X	X					X							X						X	X	X	X
	Signature of Program Consultant - CSS	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
	Signature of Contractor																															
	Signature of NKUSIP Cell - AEE																															

③

Environment Management Plan (EMP), HOSPET CMC – November 2014

Haspet,  
01 HPT 02 B.

City, Package No. & Name of Work  
Description of work ongoing:  
Locations of work ongoing:

Improvement of sewerage system in Hospet CMC  
WW1 & 2, STP, Pumping main from WW2 to STP  
Near Belagodu village

C. ... NOVEMBER 2014.

Month: NOVEMBER  
Work completed (% to total): 80%





Date of Commencement and Completion : 29-3-2010  
21-12-2014

		DAY - tick (✓) for Complied, x for not applicable and blank for not complied																														
SN	Parameters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	Direction boards, warning boards/signs, etc	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	Watering for dust mitigation undertaken	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
4	Project Sign Board provided with complete details including contact no.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5	Blockage clearance of drains done	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
6	Clearing of Debris to avoid obstruction to vehicles and walking done	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
7	Trenches are opened and filled in the least	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
8	Proper disposal of debris done	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
9	Proper coverage to vehicles while transporting debris provided	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
10	Wetting stockpiles of sand and metals carried out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Contamination of groundwater / surfacewater is	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
12	Informed public of work in the area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Construction work stopped during night and early morning hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Access to public and private properties provided	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
16	No Persons below under the age of 14 employed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Workers wearing helmets, gloves and boots, etc	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Hardship and inconvenience to public/business experience reduced	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
19	Risk and Safety Talk conducted by Contractor before the start of work	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	No. of labours as per attendance register	10	11	11	11	25	24	21	22	23	13	15	14	28	30	34	35	33	35	33	24	35	38	32	24	31						
	Signature of Program Consultant - CSS /RE	RE	RE	RE	RE	EL	EL	EL	EL	EL	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	RE	
	Signature of Contractor /DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM	DPM
	Signature of NKUSIP Cell - AEE /AE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE	AEE



**Annexure II**

**Project site Photographs at HOSPET CMC**

<b>Project Package: 01 HPT 02B</b>	
<b>Location: STP construction site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>	<b>Location: STP construction site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>
 <p><b>Shed at the STP site for construction workers - to be dismantled as the facilities are inadequate &amp; area is unhygienic</b></p>	 <p><b>Excavated area at the STP without any barricading</b></p>
<b>Location: STP construction site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>	<b>Location: STP construction site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>
 <p><b>Quality of helmets used by the workforce at STP</b></p>	 <p><b>Workers without PPE at the STP site</b></p>

<b>Project Package: 01 HPT 02B</b>	
<b>Location: STP construction site, Hospet.</b> <b>Date: 19<sup>th</sup> Nov 2014</b>	<b>Location: STP construction site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>
	
<b>Workers at the STP site without PPE</b>	<b>Workers at the STP site without PPE</b>
<b>Project Package: 01 HPT 02A</b>	
<b>Location: UGD network site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>	<b>Location: UGD network site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>
	
<b>Excavation for UGD network at Sandur road, without strong barricading</b>	<b>Excavation for UGD network at Sandur road, without barricading</b>



<b>Location: UGD network site, Hospet.</b> <b>Date: 8<sup>th</sup> Nov 2014</b>	<b>Location: UGD network site, Hospet.</b> <b>Date: 19<sup>th</sup> Nov 2014</b>
	
<b>RE – PC at the construction site with required PPE</b>	<b>UGD network site near Valmiki circle without proper barricading</b>
<b>Project Package: 01 HPT 02A</b>	
<b>Location: UGD network site, Hospet.</b> <b>Date: 19<sup>th</sup> Nov 2014</b>	<b>Location: UGD network site, Hospet.</b> <b>Date: 19<sup>th</sup> Nov 2014</b>
	
<b>The barricading for excavated work site near AC office road</b>	<b>Work being done worker without wearing any PPE</b>

**Annexure III**

**List of participants attended the training on Compliance of EMP at Hospet**

Sl. No	Name	Designation	Contact no.
1	Mr. Hyati	CSS - PC	
2	Mr. Shivalingappa	Resident Engineer - PC	
3	Mr. Om Prakash Patil	Resident Engineer - PC	
4	Mr. Chandrakanth Reddy	Project Manager - Contract agency	
5	Mr. Nandakumar	Dy. Project Manager	
6	28 no. of workers at STP site ( 13 on 8 <sup>th</sup> Nov & 15 on 19 <sup>th</sup> Nov)		



## SAFEGUARDS AT STP SITES

<b>Name of the official visited</b>	<b>S T Ravishankar</b>
<b>Site visited</b>	<b>Hospet</b>
<b>Date of visit</b>	<b>08.11.14 &amp; 19.11.14</b>

A. Is the STP site cordoned off with no entrance to the public

Yes

No ✓

B. Are the temporary facilities provided to the labours dismantled at the STP site

Yes

No ✓

C. Alternative accommodation arranged by the contractor

Yes

No ✓

If yes, provide location along with photographs - Not applicable

D. If yes to C, what is the condition of facilities provided to labours

1. Housing - Not applicable as there is no alternate site

2. Water facilities

-

Satisfactory ✓

Not satisfactory

3. Sanitation facilities

-

Satisfactory

Not satisfactory ✓

E. Condition of house keeping at the STP site

Satisfactory

Not satisfactory ✓

F. Has the sludge management plan been developed by the design team and approved by CE, NKUSIP

Yes \* ✓

No

If, yes, provide a copy of the sludge management plan

\* The sludge management in ASP type STP at Hospet is a part of the original design and is under implementation.

G. Has the plantation initiated in the STP site

Yes

No ✓

H. If Yes / No, give details\* on what has been initiated or why it has not been initiated

(\* Details to include who will implement, when, is FD involved, payment has been made to FD etc.)

The contract agency has requested a NGO for supply of saplings and the agency has agreed to plant the saplings in the STP area as per the BOQ. Till date no action has been taken.

**Other safeguards**

I. Has air and noise monitoring been initiated under the project (where work is under progress)

As there is no earmarked budget for environment monitoring in the BOQ, the air and noise monitoring has not yet been initiated at the project sites, where work is in progress. A request has been sent to the Project Manager, KUIDFC, vide our letter dt. 08.09.14 to approve a sum of Rs. 6,73,920/- ( Rupees six lakhs seventy three thousand nine hundred twenty only) towards environment monitoring for a period of nine months.

**Critical Safeguards**

**ULB - Hospet**

[tick (√) for Complied, X for not applicable and blank for not complied]

Date - 8th Nov 2014

SN	Parameters	Location	
		STP site	UGD network site
1	Direction boards, warning boards/signs, etc provided		
2	Safety measures (barricading and warning signs) for Excavated Earth works observed		
3	Watering for dust mitigation undertaken		
4	Project Sign Board provided with complete details including contact no.		X
5	Blockage clearance of drains done	X	X
6	Clearing of Debris to avoid obstruction to vehicles and walking done	X	
7	Trenches are opened and filled in the least possible time	X	
8	Proper disposal of debris done		
9	Proper coverage to vehicles while transporting debris provided		
10	Wetting stockpiles of sand and metals carried out		
11	Contamination of groundwater / surface water is not noticed	√	X
12	Informed public of work in the area	X	√
13	Construction work stopped during night and early morning hours	√	√
14	Access to public and private properties provided	X	√
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	X	√
16	No Persons below under the age of 14 employed	√	√
17	Workers wearing helmets, gloves and boots, etc		
18	Hardship and inconvenience to public/business grievance received	X	√
19	Health and Safety Talk conducted by Contractor before the start of work		
20	No. of labours as per attendance register	11	





## **KARNATAKA URBAN INFRASTRUCTURE DEVELOPMENT & FINANCE CORPORATION**

# **REPORT ON ENVIRONMENT MANAGEMENT PLAN OF KOPPAL CMC FOR THE MONTH OF NOVEMBER 2014**



**SNC-LAVALIN Infrastructure Pvt. Ltd**

## **CONTENTS**

- 1.0 Introduction**
- 2.0 Permissions & Consents**
- 3.0 Field Visits & Trainings Conducted**
- 4.0 Compliance to EMP**
- 5.0 Redress of Grievances**
- 6.0 Labour Licence**
- 7.0 Summary & Conclusion**
- 8.0 Annexures**

**Monthly Report on Environment Management Plan (EMP) in CMC, KOPPAL.**

**1. Introduction:**

The components taken up for KOPPAL CMC are detailed in the following Table.

<b>Package</b>	<b>Sub Project</b>	<b>Physical Completion (%)</b>	<b>Date of Award</b>	<b>Date of scheduled Completion</b>	<b>Date of Extensions if any</b>
02KPL02	UGD & Sewage Treatment Plant	68	31.10.2011	30.04.2013	31.01.2014, 31.10.2014 & 31.07.15

The Initial Environmental Examination (IEE) Report submitted to ADB in the year 2010. The status of Environment Management Plan (EMP) for the month of November 2014 is presented in the following sections.

**2. Permission/ Consents/ Clearances/ Approvals:**

<b>Particulars</b>	<b>Sub project</b>	<b>NH</b>	<b>Railways</b>	<b>PWD</b>	<b>KPTCL/ HESCOM</b>	<b>BSNL</b>	<b>KSPCB</b>	<b>Irrigation</b>
Status of Consents / Clearances / Permissions / Approval	UGD & Sewage Treatment Plant	Obtained on 07.02. 2012	Latest request sent to Southern Railways on 03.01.2014. Two permissions pending with the Railways.	Obtained on 24.08. 2011	Obtained as and when required during the project progress	Obtained as and when required during the project progress	Obtained on 16.04.12	Obtained on 27.02.2012

**3. Field visit & training conducted**

<b>Field visit</b>	<b>Date</b>	<b>Site visited</b>	<b>Persons met</b>	<b>Remarks</b>
	19.11.14	Sewage treatment plant	AEE, CSS – PC, site engineer, Supervisor & workers.	ES (PC) visited the STP area. Work was in progress very slowly. A number of non - compliances were observed during the visit to project site. The details of non – compliances along with the photographs are given in the subsequent paragraphs.

Environment Management Plan (EMP), KOPPAL CMC – November 2014

Training	Date	Place	Subject	Participants
	19.11.14	Sewage treatment plant	<p>Orientation Program for Implementing agency and executing agency covering following topics:</p> <ol style="list-style-type: none"> <li>1. Explanation on ADB Safeguards policy 2009.</li> <li>2. Summary of IEE report and explanation of mitigation measures.</li> <li>3. Review of the mitigation measures included in the contract agreement.</li> <li>4. Environmental issues related to urban infrastructure investment programs during construction.</li> <li>5. Importance of on - the -job - training on safety of workers, hazards related to construction work site and the preventive measures.</li> <li>6. Arising inconvenience to community at the project site and plan to mitigate the impacts.</li> <li>7. Environmental safeguard and responsibilities of the Contractor.</li> <li>8. Importance of EMP.</li> <li>9. Environmental monitoring at site.</li> <li>10. On site waste management plan.</li> <li>11. Tool box talk</li> </ol>	<p>9 Participants Including 6 workers at site. (List of participants given in annexure-2)</p>

**4. Compliance to EMP:**

Particulars	Sub Project	Status of compliance	Compliance to EMP
	STP	Compliance	<ol style="list-style-type: none"> <li>1. The sign board detailing the project information is in place.</li> <li>2. Contamination of ground water / surface water was not noticed.</li> <li>3. No persons employed under the age of 14 years.</li> <li>4. Accident register and public grievance register were witnessed at the site office.</li> </ol>
	STP	Non - compliance	<ol style="list-style-type: none"> <li>1. There is no fencing all round the STP. This may result in unauthorized entry of public to the STP area and increase the chance of accidents at site.</li> <li>2. The water spray in the work site needs to be intensified.</li> <li>3. The housekeeping at the STP area was in bad shape. Needs to be improved for a safe working environment.</li> <li>4. Electrical connections at the site office of the contract agency at</li> </ol>

			<p>STP were not in order.</p> <p>5. No tool box talk was being done at the work site before start of work.</p> <p>6. The labour sheds at the STP site have not yet been dismantled. As per the directive of the review meeting held at HO, KUIDFC, there should not be any camp labour in the STP premises.</p>
--	--	--	---

#### 5. Redress of Grievances:

<b>Sub project</b>	<b>Registers maintained</b>	<b>No. of grievances received</b>	<b>Action taken</b>
Sewerage Treatment Plant & UGD	Yes, Register on public grievance being maintained at the site office	No grievances were recorded.	Register being maintained. Complaints if any to be logged in and corrective / preventive action to be taken.

#### 6. Labour Licence:

- Valid labour licence certificate could not be produced by the contract agency.
- No child labours were employed by the contract agency.

#### 7. Summary and Conclusions:

Monitoring of EMP (Environment Management Plan) is being done daily for the critical issues and Environmental Safeguards being followed. However, the following issues need to be addressed.

<b>SL</b>	<b>Issues/ Deviations</b>	<b>Corrective Actions to be taken</b>
1.	Helmets, hand gloves, safety shoes not available for all workers.	AT the STP site, not all the persons were found working with PPE. All the workers must be provided with quality PPE and must be ensured that they wear the required PPE at work.
2.	Labour License	Valid labour licence copy was not available with the contract agency. The labour licence has expired since March 2013 and the agency is working without the same. This has been brought to the notice of the Project Manager & Project Director of the contract agency. The contract agency is being continuously instructed to renew the labour licence and operate the contract with a valid labour licence.
3	No safety talk before start up of any activities / work	Instructed the contractor to initiate tool box talk at the project site and practice it every day morning before start of the work
4	Clean work place	The house keeping at STP site was not in order. This has been informed to the contract agency to assort the materials / scrap and keep the work area neat & clean. Un-organised work place will make it unsafe to work. The issue of house keeping is being taken up with

		the contract agency during every visit to the work site.
5	Temporary labour sheds	Temporary labour sheds are still in place at the STP site. Instructed the contract agency to remove the labour sheds immediately as per the instructions of the Task Manager.
6	No watering at the work site	Watering to be carried out in the areas where the work is going on. This will reduce the dust nuisance during the vehicular traffic.

**8.0 Annexures:**

1. Daily monitoring report as annexure I
2. Photographs as annexure II.
3. List of participants attended the training as annexure III
4. Safeguards at STP site as annexure IV
5. Critical safeguards as annexure V



**Daily Monitoring Report**

**Project site photographs of KOPPAL CMC**

<b>Project Package: 02KPL02</b>	
<b>Location: STP construction site, Koppal.</b> <b>Date: 19.11.14</b>	<b>Location: STP construction site, Koppal.</b> <b>Date: 19.11.14</b>
	
<b>Temporary sheds at the STP site. Needs to be dismantled.</b>	<b>Poor house keeping at the STP site.</b>
<b>Location: STP construction site, Koppal.</b> <b>Date: 19.11.14</b>	<b>Location: STP construction site, Koppal.</b> <b>Date: 19.11.14</b>
	
<b>Unsafe electrical connections at the site office of the contract agency</b>	<b>Workers at the STP site</b>

**List of participants attended the training on Compliance of EMP at KOPPAL CMC**

<b>Sl. No</b>	<b>Name</b>	<b>Designation</b>
1	Mr. S. H. Hulamani	CSS – PC
2	Mr. Sunil	Site engineer
3	Mr. Ravi	Site supervisor
4	6 no. of workers at site	

## SAFEGUARDS AT STP SITES

<b>Name of the official visited</b>	<b>S T Ravishankar</b>
<b>Site visited</b>	<b>Koppal</b>
<b>Date of visit</b>	<b>19.11.14</b>

A. Is the STP site cordoned off with no entrance to the public

Yes

No ✓

B. Are the temporary facilities provided to the labours dismantled at the STP site

Yes

No ✓

C. Alternative accommodation arranged by the contractor

Yes

No ✓

If yes, provide location along with photographs - Not applicable

D. If yes to C, what is the condition of facilities provided to labours

1. Housing - Not applicable

2. Water facilities - Satisfactory ✓

Not satisfactory

3. Sanitation facilities - Satisfactory

Not satisfactory ✓

E. Condition of house keeping at the STP site

Satisfactory

Not satisfactory ✓

F. Has the sludge management plan been developed by the design team and approved by CE, NKUSIP \*

Yes

No

If, yes, provide a copy of the sludge management plan

\* - A detailed sludge management plan along with the drawing & estimate has been submitted to CE, NKUSIP for approval, vide our letter dt. 09.09.2014. A presentation was made in the HO, KUIDFC on 28.10.14

G. Has the plantation initiated in the STP site

Yes

No ✓

H. If Yes / No, give details\* on what has been initiated or why it has not been initiated

(\* Details to include who will implement, when, is FD involved, payment has been made to FD etc.)

The area has been identified. The contract agency to start the plantation work. The contract agency intends to carry out the work during the final stage of the project completion.

**Other safeguards**

- I. Has air and noise monitoring been initiated under the project (where work is under progress)

As there is no earmarked budget for environment monitoring in the BOQ, the air and noise monitoring has not yet been initiated at the project sites, where work is in progress. A request has been sent to the Project Manager, KUIDFC, vide our letter dt. 08.09.14 to approve a sum of Rs. 6,73,920/- (Rupees six lakhs seventy three thousand nine hundred twenty only) towards environment monitoring for a period of nine months. A presentation was made in the HO, KUIDFC on 28.10.14

**Critical Safeguards**

**ULB - Koppal**

[tick (√) for Complied, X for not applicable and blank for not complied]

Date - 19th Nov 2014

SN	Parameters	Location	
		STP site	UGD network site – No work in progress
1	Direction boards, warning boards/signs, etc provided	X	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	X	
3	Watering for dust mitigation undertaken		
4	Project Sign Board provided with complete details including contact no.	√	
5	Blockage clearance of drains done	X	
6	Clearing of Debris to avoid obstruction to vehicles and walking done	X	
7	Trenches are opened and filled in the least possible time	X	
8	Proper disposal of debris done		
9	Proper coverage to vehicles while transporting debris provided		
10	Wetting stockpiles of sand and metals carried out		
11	Contamination of groundwater / surface water is not noticed	X	
12	Informed public of work in the area	X	
13	Construction work stopped during night and early morning hours	√	
14	Access to public and private properties provided	X	
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	X	
16	No Persons below under the age of 14 employed	√	
17	Workers wearing helmets, gloves and boots, etc		
18	Hardship and inconvenience to public/business grievance received	X	
19	Health and Safety Talk conducted by Contractor before the start of work		
20	No. of labors as per attendance register	6	



## **ANNEXURE 3**

# **S I T E V I S I T R E P O R T S O F E S , R O – N O V 2 0 1 4**



**NORTH KARNATAKA URBAN SECTOR  
INVESTMENT PROGRAMME  
(ADB ASSISTED)**

**SITE INSPECTION REPORT  
ON  
ENVIRONMENTAL MANAGEMENT PLAN OF NKUSIP PROJECT TOWNS  
FOR THE MONTH OF NOVEMBER 2014**



**Towns visited in the month of November - 2014**

<b>Package</b>	<b>Name of Town</b>	<b>Date of Visit</b>	<b>Date of Last Visit</b>
I	Ranebennur	12/11/2014	14/08/2014
	Davanagere	13/11/2014	13/08/2014
II	Gokak	15/11/2014	19/9/2014
III	Gulbarga	17/11/2014	21/07/2014
	Bidar	18/11/2014	10/09/2014
IV	Bellary	20/11/2014	18/08/2014
	Hospet	21/11/2014	19/08/2014

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## 1. EMP of Ranebennur

### 1.1 Introduction

Name and Designation of Official Visiting	Parashivamurthy M.C/Environmental Engineer
Name of Town	Ranebennur
Date of Visit	12-11-2014
Name of Contractor executing the work	M/s. Ramky Infrastructure Pvt. Ltd. in JV with APR Project Pvt. Ltd.
Name of Area of Visit and description of work ongoing	STP –Outlet chamber wall concreting UGD Network – 150 mm dia pipe line trench refilling near Vinayakanagar

### 1.2. Occupational health and safety and labor measures

Mitigation Measures as per IEE/EMP	Compliance tick ( ✓ )		
<p>a) Workers wearing Personal protective equipment(PPE's)</p> <p><b>Observation: 3 local labors were working without PPE's at trench refilling work near Vinayakanagar. Few workers were working with partial PPE's at STP site during outlet chamber wall concreting. Insisted contractor site representative to provide necessary PPE's at all ongoing work site. Contractor representative committed that he will speak with their management for procuring of sufficient all necessary PPE's as soon. Informed CSS to look on the issues and to inform to this office when the issues are complied by the contractor.</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td><td>No</td></tr> </table>	YES	No
YES	No		
<p>b) Medical insurance coverage for workers present and valid</p> <p><b>Obs: Medical insurance for workers yet be provided. Insisted contractor representative to provide the insurance as early and he taken the time up to this month end to short out the issue. As recent discussion held with CSS Ranebennur telephonically no implementation or steps taken to comply this issue observed.</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td><td>No</td></tr> </table>	YES	No
YES	No		
<p>c) Provision of water and sanitation facilities for employees in labor camps</p> <p><b>Obs:There is no Labour camp at present and as reported by CSS local labors are being employed now</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td><td>NA</td></tr> </table>	YES	NA
YES	NA		
<p>d) Carried out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.</p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		

**Obs: HIV/AIDS awareness program has conducted by NGO's on 7/01/2014. There is no mass labors or a camp labors at present and from few months, shortage of labors is one of the factor for slow progress at Ranebennur.**

- e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.

√

YES	No
-----	----

**Obs: Implementation of all statutory provision on labor is ensured at the site, meanwhile contractor is informed that more attention is required on health, safety, sanitation and working conditions of the labours at site.**

- f) All Labor License conditions being followed

√

YES	No
-----	----

**Obs: Photocopy of license is not yet displayed at site (insisted in the last site visit also). Insisted contractor to display the photocopy of labor license at site within 2 days and send photos of the same to this office, but issue still to be compl**

- g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris

√

YES	NO
-----	----

**Obs: Site management plan yet to be prepared**

- h) Developed and implemented of site-specific Health and Safety Plan

√

YES	NO
-----	----

**Obs: Plan yet to be prepared**

- i) Enclose photographs of good practices and non-compliance with captions

√

YES	NO
-----	----

### 1.3 Critical Safeguards

[tick (√) for Complied, X for not applicable and blank for not complied]

SI No.	Parameter	Location	
		STP	UGD Network
1	Direction boards, warning boards/signs, etc provided		
2	Safety measures (barricading and warning signs) for Excavated Earth works observed		
3	Watering for dust mitigation undertaken	x	√
4	Project Sign Board provided with complete details including contact no.	√	x
5	Blockage clearance of drains done	x	x
6	Clearing of Debris to avoid obstruction to vehicles and walking done	x	x
7	Trenches are opened and filled in the least possible time	x	
8	Proper disposal of debris done	√	√
9	Proper coverage to vehicles while transporting debris provided	x	x
10	Wetting stockpiles of sand and metals carried out	x	x
11	Contamination of groundwater / surface water is not noticed	√	√
12	Informed public of work in the area	x	√
13	Construction work stopped during night and early morning hours	√	√
14	Access to public and private properties provided	x	√
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	x	
16	No Persons below under the age of 14 employed	√	√
17	Workers wearing helmets, gloves and boots, etc		
18	Hardship and inconvenience to public/business grievance received		
19	Health and Safety Talk conducted by Contractor before the start of work		
20	No. of labours as per attendance register	√	√

**1.4 Deviation/Concerns of Safeguards and Action to be taken**

<b>Issues/Deviations</b>	<b>Action Taken/to be taken</b>
1. Direction boards, Warning boards/Sign boards are not provided at the UGD work site. Emergency response board yet to be displayed at STP site	Insisted Contractor on these same observations in the last visit also to provide necessary boards at key locations and Emergency response system at STP site. Issues are yet to be complied
2. Public grievance register is not maintaining at work site	Instructed contractor to maintain register for public grievance and action taken for the same
3. Necessary PPE's for all workers on site.	Insisted contractor to ensure all necessary PPE's effectively at all working sites.
4. Plantation at STP site	Fencing around the STP site is still pending, so that insisted contractor to take up plantation work immediately after completion of the Fencing work.
5. Renewal of CFE	KSPCB letter enclosed in Annexure I for your reference.
6. Excavated trench (more than 5 meter) near railway gate (Sub main – 2) has kept open by providing caution tape around the trench	Insisted contractor to provide hard barricading around the trench and sign boards at the place with immediate effect. Hard barricading has been provided after 2 days of the instruction (Photos attached)
7. Renewal of labor license	As insisted in the last visit and this visit contractor has renewed the labour license (Photocopy attached in Annexure II)

**1.5 Labor Registration: labour license is valid up to 14-06-2015****1.6 Persons met during Site visit**

<b>Name of Person</b>	<b>Designation</b>	<b>Contact No.</b>
1. Shivashankar	AEE	9900716400
2. Prabhu Prasad	AE	9035097977
3. Shekar B. Adimani	CSS Consultant	741108889
4. Ravi	Site Engineer Contractor	8892166121
5. Sateesh	Site Engineer Contractor	9062807674

**1.7 Conclusion: STP and UGD network are in completion stage, no camp labours or mass labours batch working at present. Critical safe guard measures yet to be improved in UGD works. In order to give due importance to the implementation of EMP, frequent instruction have been issued to the contractors, CSS and AE's.**

## 1.8 Photographs at Ranebennur

<b>Project Package: 02RNR02</b>	
<b>Location: UGD work at Vinayakanagar Road</b>	<b>Date: 12/November 2014</b>
 <p><b>Workers without PPE's and there was no Caution/Sign boards at both the end</b></p>	 <p><b>Road restoration (Asphalt road) yet to be done</b></p>
<b>Location: Outlet chamber concrete at STP.</b>	<b>Location: STP.</b>
<b>Date: 12 November 2014</b>	<b>Date: 12 November 2014</b>
 <p><b>Workers with partial PPE's</b></p>	 <p><b>Project description board provided at STP (Projection Completion period to be mentioned as per EOT)</b></p>
<b>Project Package: 02RNR02</b>	

**Location: Sub Main – 2, Near Railway gate**

**Date: 12 November2014**



**Trench**

**excavated more than 5 ft. and provided only improper caution tape instead of hard barricading**





After serious instruction contractor has provided hard barricading at excavated trench

## 2. EMP of Davanagere

### 2.1 Introduction

Name and Designation of Official Visiting	Parashivamurthy M.C/Environmental Engineer
Name of Town	Davanagere
Date of Visit	13-11-2014
Name of Contractor executing the work	STP – M/s. HNB Engineers Pvt Ltd., PUNE UGD – M/s. Abhiram Infra Projects Pvt Ltd., Hyderabad
Name of Area of Visit and description of work ongoing	STP –Deshuttering at SBR unit, Raft bending at pump house and Backfilling at Primary unit. UGD Network –Manhole construction work near APMC area.

### 2.2 Occupational health and safety and labor measures

Mitigation Measures as per IEE/EMP	Compliance tick ( ✓ )		
STP – M/s. HNB Engineers Pvt Ltd., Pune.			
a) Workers wearing Personal protective equipment	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		

<p><b>Observation: labors found with partial PPE's at STP during site visit. Insisted contractor to ensure all necessary PPE's effectively at working sites. Contractor committed to fulfill the requirement before 30<sup>th</sup> of November 2014. Issue still to be complied</b></p>	<input type="checkbox"/> <input type="checkbox"/>		
<p>b) Medical insurance coverage for workers present and valid</p> <p><b>Obs: Contractor has provided All risk insurance policy and workmen compensation insurance policy, but medical insurance coverage for workers yet to be provided. Insisted contractor in the last visit itself but the issue is still pending.</b></p>	<p style="text-align: right;">√</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>c) Provision of water and sanitation facilities for employees in labor camps</p> <p><b>Obs: The contractor at STP labour camp (Photos attached) has provided Sanitation and drinking facility.</b></p>	<p style="text-align: right;">√</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>d) Carried out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.</p> <p><b>Obs: Insisted contractor to conduct HIV/AIDS awareness program, safety awareness program, and Health check up camp for labours periodically. Contractor committed that now the work is going on in full swing so that in future all programs will be ensuring as soon as possible with the progress parallelly.</b></p>	<p style="text-align: right;">√</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.</p> <p><b>Obs: Implementation of all statutory provision on labor as mentioned above is being followed, meanwhile contractor informed to give more attention on health, safety &amp; working condition of labors at site.</b></p>	<p style="text-align: right;">√</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>f) All Labor License conditions being followed</p> <p><b>Obs: Condition is being followed</b></p>	<p style="text-align: right;">√</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris</p> <p><b>Obs: Site management plan yet to be prepared</b></p>	<p style="text-align: right;">√</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>h) Developed and implemented of site-specific Health and Safety Plan</p>	<p style="text-align: right;">√</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		

**Obs: Plan yet to be prepared.**

- i) Enclose photographs of good practices and non-compliance with captions

√

YES	NO
-----	----

## 2.2.1 Occupational health and safety and labor measures

### Mitigation Measures as per IEE/EMP

**M/s. Abhiram Infra Projects Pvt Ltd., Hyderabad**

**Compliance**  
tick ( √ )

- a) Workers wearing Personal protective equipment

√

YES	NO
-----	----

**Observation: 3 - 4 labors found with partial PPE's manhole construction site near APMC area. Insisted contractor to ensure all necessary PPE's effectively at working sites. New Project manager of contractor committed to fulfill the requirement before end of November 2014.**

- b) Medical insurance coverage for workers present and valid

√

YES	NO
-----	----

**Obs: Contractor is not yet provided any insurance coverage even after insisted in the last visit also.**

- c) Provision of water and sanitation facilities for employees in labor camps

√

YES	NA
-----	----

**Obs: There is no labour camp at present and labours are being employed locally**

- d) Carried out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.

√

YES	NO
-----	----

**Obs: Insisted contractor to conduct HIV/AIDS awareness program, safety awareness program and Health check up camp for labours periodically.**

- e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.

√

YES	NO
-----	----

**Obs: Implementation of all statutory provision on labor as mentioned above is being followed, meanwhile contractor informed to give more attention on health, safety & working condition of labors at site.**

- f) All Labor License conditions being followed

√

YES	NO
-----	----

**Obs: Renewed labour license copy yet to be submitted**

- g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris

√

YES	NO
-----	----

**Obs: Site management plan yet to be prepared**

- h) Developed and implemented of site-specific Health and Safety Plan

√

YES	NO
-----	----

**Obs: Plan yet to be prepared.**

- i) Enclose photographs of good practices and non-compliance with captions

√

YES	NO
-----	----

### 2.3. Critical Safeguards

[tick (√) for Complied, X for not applicable and blank for not complied]

SI No.	Parameter	Location	
		STP	UGD Network
1	Direction boards, warning boards/signs, etc provided		
2	Safety measures (barricading and warning signs) for Excavated Earth works observed		
3	Watering for dust mitigation undertaken		x
4	Project Sign Board provided with complete details including contact no.	√	√
5	Blockage clearance of drains done	x	x
6	Clearing of Debris to avoid obstruction to vehicles and walking done	x	
7	Trenches are opened and filled in the least possible time	x	
8	Proper disposal of debris done	√	√
9	Proper coverage to vehicles while transporting debris provided	x	x
10	Wetting stockpiles of sand and metals carried out		

11	Contamination of groundwater / surface water is not noticed	√	√
12	Informed public of work in the area	√	√
13	Construction work stopped during night and early morning hours	√	√
14	Access to public and private properties provided	×	×
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	×	
16	No Persons below under the age of 14 employed	√	√
17	Workers wearing helmets, gloves and boots, etc		
18	Hardship and inconvenience to public/business grievance received	×	×
19	Health and Safety Talk conducted by Contractor before the start of work	√	
20	No. of labours as per attendance register	√	√

#### 2.4. Deviation/Concerns of Safeguards and Action to be taken

Issues/Deviations	Action Taken/to be taken
1. PPE's for all workers at site was not ensured effectively.	Informed contractor to procure all necessary sufficient PPE's and to provide all working labours depends upon the activity at the site
2. Alternative traffic plan for public and vehicle movement	Insisted contractor to provide alternative access plan or sign boards to the public wherever road to be blocked completely
3. Project description board	As insisted in the last visit contractor has provided detailed project description board at work place
4. As per GCC 13 labor insurance should be provided by the contractor	Insisted contractor (package 03DVG02 – UGD network) to submit the renewed all necessary insurance copy to this office within this month
5. Environmental grievance register is not maintained at both the package	Insisted contractor to maintain the register with immediate effect

**2.5. Labor Registration:** The contractor for 03DVG02A packages submitted the copy of the labour license and is valid till up to 21.05.2015. The contractor yet to submit the copies of the labour license for the package 03DVG02.

#### 2.6. Persons met during Site visit

Name of Person	Designation	Contact No.
----------------	-------------	-------------

S.D Vishwanath	AEE	94498-33655
R.V Patil	CSS	9591053527
Ayappa	PM Contractor – 03DVG02 Package	
Sanghamesh	RE	9986544586
Ragavendra	Site Engineer	81472560753

**2.7. Conclusion:**Critical safeguard measures are poor in UGD works and facility provided for labors at STP plant has to be improved. In order to give due importance to the implementation of EMP, frequent instruction have been issued to the contractors, CSS, AE's and site engineers.

## **2.8. Photographs at Davanagere**

<b>Project Package: 03DVG02</b>	
<b>Location: Near APMC Yard</b>	<b>Date: 13 November 2014</b>



**Caution tape/warning measures provided**



**Improper barricading at manhole construction**

**Location: STP - 03DVG02A Date: 13 November 2014**



**Workers without PPE's**



**Workers without safety belt**

**Project Package: 03DVG02A**

**Location: STP**

**Date: 13 November 2014**





**worker  
working at height without safety belt**



**Status of labour camp**

**Location: STP.**

**Date: 13 November 2014**



**Welfare facility provided at labour camp**



**Sanitation facility provided at labour camp**

### **3. EMP of Gokak**

#### **3.1 Introduction :**

<b>Name and Designation of Official Visiting</b>	<b>Parashivamurthy M.C/Environmental Engineer</b>
<b>Name of Town</b>	<b>Gokak</b>

Date of Visit	15-11-2014
Name of Contractor executing the work	02GKKo2 UGD(Network + STP) – M/s Eagle construction co. Kolhapur
Name of Area of Visit and description of work ongoing	Network – Trench excavation b/w Basavanna circle to Bus stand road STP – There was no work going on and due to heavy rain in the previous day no accesses to visit the site (As reported by CSS)

### 3.2 Occupational health and safety and labor measures

Mitigation Measures as per IEE/EMP	Compliance tick ( ✓ )		
a) Workers wearing Personal protective equipment  <b>Observation: It was found that workers were wearing PPE's partially. Insisted Contractor to ensure all necessary PPE's at work sites.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
b) Medical insurance coverage for workers present and valid  <b>Obs: Medical insurance coverage yet to be provided, so that Insisted contractor to provide medical insurance for workers and submit photocopy of insurance coverage letter to NKUSIP office as early.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
c) Provision of water and sanitation facilities for employees in labor camps  <b>Obs: No camp labours at present</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NA</td> </tr> </table>	YES	NA
YES	NA		
d) Carried out HIV/AIDS awareness programs for labor and disseminate information at work sites on the risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.  <b>Obs: Insisted contractor to conduct HIV/AIDS awareness program,safety awareness program,&amp; Health checkup camp for labors periodically.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.  <b>Obs: Implementation of all statutory provision of labor as said above is ensured at the site, meanwhile contractor informed to more attention on health, safety &amp; working condition of labors at site.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		

- f) All Labor License conditions being followed

YES	NO
-----	----

√

**Obs: Renewed labour license yet be submitted**

- g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris

YES	NO
-----	----

√

**Obs: Site management plans yet to prepared**

- h) Developed and implemented of site-specific Health and Safety Plan

YES	NO
-----	----

√

**Obs: Instructed contractor to provide Health and Safety plan and display board of Emergency response plan at the site.**

- i) Enclose photographs of good practices and non-compliance with captions

YES	NO
-----	----

√

### 3.2 Critical Safeguards

[tick (√) for Complied, X for not applicable and blank for not complied]

SI No.	Parameter	Location UGD - Network
1	Direction boards, warning boards/signs, etc provided	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	
3	Watering for dust mitigation undertaken	√
4	Project Sign Board provided with complete details including contact no.	x
5	Blockage clearance of drains done	x
6	Clearing of Debris to avoid obstruction to vehicles and walking done	
7	Trenches are opened and filled in the least possible time	
8	Proper disposal of debris done	x
9	Proper coverage to vehicles while transporting debris provided	x
10	Wetting stockpiles of sand and metals carried out	x
11	Contamination of groundwater / surface water is not noticed	√
12	Informed public of work in the area	√
13	Construction work stopped during night and early morning hours	√
14	Access to public and private properties provided	√
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	x
16	No Persons below under the age of 14 employed	√
17	Workers wearing helmets, gloves and boots, etc	
18	Hardship and inconvenience to public/business grievance received	x
19	Health and Safety Talk conducted by Contractor before the start of work	
20	No. of labours as per attendance register	√

### 3.4 Deviation/Concerns of Safeguards and Action to be taken

Issues/Deviations	Action Taken/to be taken
1. Direction boards, Warning boards/Sign boards Emergency response plan are not provided at the working site	Contractor insisted to provide all necessary boards at key locations and emergency response plan at the site
2. Grievance register yet to be maintained	Instructed to maintain grievance received and action taken report in a register
3. As per GCC 13 labor insurance should provide by the contractor.	Informed contractor to provide insurance to the labors at the earliest
4. Plantation at STP site	As insisted in the last visit, CSS reported that approach of forest department has been done. Forest department staff visited the site on 19 August 2014 and assured required plants will be supplied. Still waiting for supply of plants from forest department Insisted CSS and AE to continuous follow up with forest department till the work completes.
5. No First aid box at the site	Insisted contractor to provide first aid box wherever the work is executing

### 3.5 Labor Registration: Renewed license yet to be submitted

### 3.6 Persons met during Site visit

Name of Person	Designation	Contact No.
Paramaji M. G.	AEE	9845245046
Bhagavathi	AE	9480345196
Savanth	CSS Consultant	9481563200
Gurunath	Engineer Contractor	9741252945

**3.7 Conclusion:** The implementation of Environmental management plan is far behind than the other activities. The safety measures like barricading, diversion boards, warning signs, and First aid kit etc should be improved.

### 3.8 Project Photos of Gokak

**Project Package: 02GKK02**

**Location: Road b/w Basavanna circle to Bus stand**

**Date: 15 November 2014**



**Caution tape provided while executing the trench excavation work**

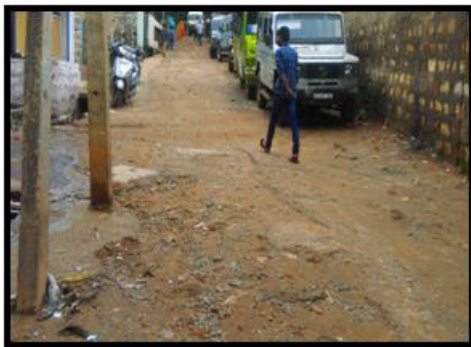


**Sign/Caution board provided**

**Location: Near Shalimal hotel.**

**Near Anand talkies**

**Date: 15 November 2014**



**Road restoration yet to be done**



**Excavated trench kept open without barricading and sign/caution board**

## 4 EMP of Gulbarga

### 4.1 Introduction:

Name and Designation of Official Visiting	Parashivamurthy M.C/Environmental Engineer
Name of Town	Gulbarga
Date of Visit	17-11-2014
Name of Contractor executing the work	STP(02GUB02A) - M/s HNB Engineers Pvt. Ltd, Pune
Name of Area of Visit and description of work ongoing	STP - Excavation at Primary unit

### 4.2 Occupational health and safety and labor measures

Mitigation Measures as per IEE/EMP	Compliance tick ( ✓ )		
a) Workers wearing Personal protective equipment  <b>Obs: Labors were not having PPE's during site visit at STP site. Insisted contractor to provide all required PPE's with immediate effect.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		
b) Medical insurance coverage for workers present and valid  <b>Obs: Instructed contractor to provide medical insurance and submit copy of the same to this office.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		
c) Provision of water and sanitation facilities for employees in labor camps  <b>Obs: Sanitation facility yet to be provided.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		
d) Carried out HIV/AIDS awareness programs for labor and disseminate information at work sites on the risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.  <b>Obs: Insisted contractor to conduct HIV/AIDS awareness program, Safety programs &amp; Health checkup camp for labors periodically.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		
e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.  <b>Obs: Implementation of all statutory provision of labor as said above is ensured at the site, meanwhile informed contractor to more attention on health, safety, &amp; working condition of labors.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		



- f) All Labor License conditions being followed

√

YES	NO
-----	----

**Obs: License copy yet to be provided. Insisted contractor PM to get the license as early and contractor promised that this issue will be complied within the month of December 2014 and compliance will submit to your office without fail**

- g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris

√

YES	NO
-----	----

**Obs: Site management Plan yet to be prepared.**

- h) Developed and implemented of site-specific Health and Safety Plan

√

YES	NO
-----	----

**Obs: Site specific Health and safety plan yet to be prepared**

- i) Enclose photographs of good practices and non-compliance with captions

√

YES	NO
-----	----



**4.3 Critical Safeguards**

[tick (√) for Complied, X for not applicable and blank for not complied]

SI No.	Parameter	Location STP
1	Direction boards, warning boards/signs, etc provided	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	
3	Watering for dust mitigation undertaken	
4	Project Sign Board provided with complete details including contact no.	√
5	Blockage clearance of drains done	×
6	Clearing of Debris to avoid obstruction to vehicles and walking done	×
7	Trenches are opened and filled in the least possible time	×
8	Proper disposal of debris done	√
9	Proper coverage to vehicles while transporting debris provided	×
10	Wetting stockpiles of sand and metals carried out	
11	Contamination of groundwater / surface water is not noticed	√
12	Informed public of work in the area	√
13	Construction work stopped during night and early morning hours	√
14	Access to public and private properties provided	×
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	×
16	No Persons below under the age of 14 employed	√
17	Workers wearing helmets, gloves and boots, etc	√
18	Hardship and inconvenience to public/business grievance received	√
19	Health and Safety Talk conducted by Contractor before the start of work	
20	No. of labours as per attendance register	√

#### 4.4 Deviation/Concerns of Safeguards and Action to be taken

Issues/Deviations	Action Taken/to be taken
1. Direction boards, Warning boards/Sign boards Emergency response plan are not provided at the working site	Contractor insisted to provide all necessary boards at key locations and emergency response plan at the site
2. Grievance report is yet to be maintained	Instructed to maintain grievance received and action taken report in a register
3. As per GCC 13 labor insurance should provide by the contractor.	Informed contractor to provide insurance to the labors at the earliest.
4. Occupational Health & safety measures should be provided.	Insisted contractor to provide dust bins and other necessary measures at the site.
5. Necessary PPE's for all workers on site.	Insisted contractor to ensure all necessary PPE's effectively at all working sites.
6. Safety talk before start up of any activities / work	Instructed contractor to make practice of safety talk every day.
7. First Aid box at site	Instructed contractor to provide first aid kit with immediate effect
8. Sanitation Facility at Labour camp	Instructed contractor to provide all necessary facility at labour camp and same point also discussed in review meeting held at conference hall, regional office, Hubli on 27/11/2014 under the chair of Task Manager. Contractor agreed to provide within 1 or 2 month.
9. CFE of STP	CFE is valid up to 19/03/2019 (Copy Enclosed in Annexure III)

#### 4.5 Labour Registration: Labor license yet to be provided

#### 4.6 Persons met during Site visit

Name of Person	Designation	Contact No.
1. Ramappa P. Jadhav	AEE	9343834521
2. Rajkumar D. Mulagi	AE	9880362559
3. AbdualKhadar	PM Contractor	9448282722

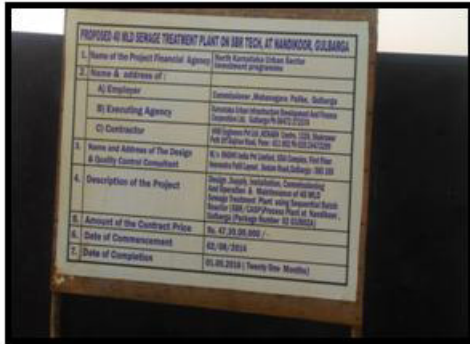
**4.7 Conclusion:** The implementation of Environmental management plan as per IEE is far behind than the other activities. In order to give due importance to the implementation of the EMP, Instruction have been issued to the contractors and AE for positive development.

#### 4.8 Photographs at Gulbarga

**Project Package: 02GUB02A**

**Location: STP**

**Date: 17 November 2014**



**Project description provided at STP site**



**No proper barricading around the excavated area**

**Location: STP.**

**Date: 17 November 2014**



**Workers without PPE's**



**Worker works at height without safety belt**

**Project Package: 02GUB02A**

**Location: STP**

**Date: 17 November 2014**



**Labour camp at STP site**



**Drinking water tank provided at site for  
camp labours**



**Bore well which is using as drinking water source at site**

## 5 EMP of Bidar

### 5.1 INTRODUCTION:

Name and Designation of Official Visiting	Parashivamurthy M.C/Environmental Engineer
Name of Town	Bidar
Date of Visit	18-11-2014
Name of Contractor executing the work	UGD – M/s Ayyappa Infra Projects Pvt. Ltd & JV, MEIL, Water supply – M/s Megha Engineering & Infra structure Ltd. Hyd. Tourism work – M/s .GurunathKollur R/o Bidar
Name of Area of Visit and description of work ongoing	UGD – No construction work was going on at the time of site visit Water supply – No work was going on during the site visit Tourism work – Not visited. As reported by AE, no work is going on

### 5.2 OCCUPATIONAL HEALTH AND SAFETY AND LABOUR MEASURES

Mitigation Measures as per IEE/EMP	Compliance tick ( ✓ )		
a) Workers wearing Personal protective equipment  <b>Observation: There was no major construction work at all the sites at the time of site visit.</b>	✓ <table border="1"> <tr> <td>YES</td><td>NA</td></tr> </table>	YES	NA
YES	NA		
b) Medical insurance coverage for workers present and valid  <b>Obs: Workmen compensation Insurance Policy has provided, but medical insurance for labors yet to be provided</b>	✓ <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		
c) Provision of water and sanitation facilities for employees in labor camps  <b>Obs: Sanitation facility yet to be provided at STP labour camp site. Instructions were given in the last visit regarding facilities to be provided at labour camp but still issues are pending.</b>	✓ <table border="1"> <tr> <td>YES</td><td>NO</td></tr> </table>	YES	NO
YES	NO		

- d) Carried out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.

√

YES	NO
-----	----

**Obs: No HIV/AIDS awareness program conducted for present labors. Insisted contractor to conduct HIV/AIDS awareness program, safety awareness program, and Health checkup camp for labors periodically.**

- e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.

√

YES	NO
-----	----

**Obs: Implementation of all statutory provision on labor as mentioned above is ensured at site except sanitation facility at labour camp, meanwhile contractor informed to more attention on health, safety, welfare& working condition of labors at site.**

- f) All Labor License conditions being followed

√

YES	NO
-----	----

**Obs: Insisted contractor to display copy of the labor license at the site.**

- g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris.

√

YES	NO
-----	----

**Obs: Site management plans Yet to be prepared**

- h) Developed and implemented of site-specific Health and Safety Plan

√

YES	NO
-----	----

**Obs: Instructed contractor to provide Health and Safety plan and display board of Emergency response plan at site.**

- i) Enclose photographs of good practices and non-compliance with captions

√

YES	NO
-----	----



**5.3 Critical Safeguards**

[tick (✓) for Complied, X for not applicable and blank for not complied]

SI No.	Parameter	Location	
		UGD - STP	WTP
1	Direction boards, warning boards/signs, etc. provided	x	x
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	x	
3	Watering for dust mitigation undertaken	x	x
4	Project Sign Board provided with complete details including contact no.	✓	
5	Blockage clearance of drains done	✓	x
6	Clearing of Debris to avoid obstruction to vehicles and walking done		x
7	Trenches are opened and filled in the least possible time	x	x
8	Proper disposal of debris done	x	x
9	Proper coverage to vehicles while transporting debris provided	x	x
10	Wetting stockpiles of sand and metals carried out		x
11	Contamination of groundwater / surface water is not noticed	✓	✓
12	Informed public of work in the area	✓	✓
13	Construction work stopped during night and early morning hours	✓	✓
14	Access to public and private properties provided	x	x
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	x	x
16	No Persons below under the age of 14 employed	✓	✓
17	Workers wearing helmets, gloves and boots, etc		x
18	Hardship and inconvenience to public/business grievance received	✓	✓
19	Health and Safety Talk conducted by Contractor before the start of work		
20	No. of labours as per attendance register	x	x

#### 5.4 Deviation/Concerns of Safeguards and Action to be taken

1. Direction boards, Warning boards/Sign boards are yet to be improved in ongoing works.	Informed contractor to provide all necessary caution boards at work sites & Emergency response plan at Key locations with immediate effect.
2. As per GCC 13 the contractor should provide labor medical insurance.	Informed contractor to provide insurance to the labors at the earliest.
3. Workers are not provided with PPE's at work site.	Insisted contractor to ensure all necessary PPE's effectively at all working sites.
4. Occupational Health & safety measures should be improved at labor camp	Labor camp is located within the STP premises so that Insisted contractor to provide all facility like (First AID Box, dustbins at key location, Sanitation facility etc.)
5. Contractor should have one qualified safety officer.	Informed contractor to appoint qualified person to look after all safety activities for the better implementation.
6. Renewal of CFE	DD has been drawn to the KSPCB account and renewal of CFE is under process
7. Renewal of labour license is pending	Insisted contractor to renew the labour license as early and submit photocopy to this office

#### 5.5. Labor Registration: Renewed Labor license yet to be submitted.

#### 5.6 Persons met during Site visit

Name of Person	Designation	Contact No.
1. Laxman	EE	7760603065
2. Joseph Samuel	AE	8861054281
3. Pavankumar	AE	9972043488
4. Nagaraj	RE	9886614680
5. Santhosh	Engineer Contractor	9900093035

**5.7. Conclusion:** The implementation of Environmental management plan as per IEE is behind than the other activities. In order to give due importance to the implementation of the EMP, Instruction have been issued to the contractors and Consultants for positive development.

## 5.8 Project Photos of Bidar

**Project Package: 02BDR1**

**Location: Jack well Date: 18 November 2014**



**Excavated trench kept open without any barricading**



**Improper accesses towards jack well inlet area**

**Location: STP – 02BDR2 Date: 18 November 2014**





**housekeeping at STP site**



**workers without PPE's**

**No**

<b>Project Package: 02BDR2</b>	
<b>Location: STP</b>	<b>Date: 18 November 2014</b>
 <p><b>Labour camp at STP site</b></p>	 <p><b>Caution tape along with Fencing provide at wet well</b></p>
<b>Location: 02BDR2 Date: 18 November 2014</b>	
 <p><b>Restoration yet to be taken</b></p>	 <p><b>restoration done at ward no CC Road</b></p>

## 6. EMP of Bellary

### 6.1 Introduction:

Name and Designation of Official Visiting	Parashivamurthy M.C/Environmental Engineer
Name of Town	Bellary
Date of Visit	20-11-2014
Name of Contractor executing the work	M/s.SMC Infrastructure Pvt. Ltd, IVRCL &Saisudir (JV)
Name of Area of Visit and description of work ongoing	02BLY01A – WTP(Sangankal) - No works during site visit 02BLY01B – WTP(Alipur) - There was no major construction work at the time of visit

### 6.2 OCCUPATIONAL HEALTH AND SAFETY AND LABOUR MEASURES

Mitigation Measures as per IEE/EMP	Compliance tick ( ✓ )		
a) Workers wearing Personal protective equipment  <b>Observation: There was no major construction work at all the sites at the time of site visit.</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NA</td> </tr> </table>	YES	NA
YES	NA		
b) Medical insurance coverage for workers present and valid  <b>Obs: Workmen compensation Insurance Policy has provided, but medical insurance for labors yet to be provided</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
c) Provision of water and sanitation facilities for employees in labor camps  <b>Obs: No labour camp at present</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NA</td> </tr> </table>	YES	NA
YES	NA		
d) Carried out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.  <b>Obs: No HIV/AIDS awareness program conducted for present labors. Insisted contractor to conduct HIV/AIDS awareness program, safety awareness program, and Health checkup camp for labors periodically. Contractor committed that along with NGO help all program will be conducted by the 1<sup>st</sup> week of December</b>	<div style="text-align: center;">✓</div> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		

- e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.

√

YES	NO
-----	----

**Obs: Implementation of all statutory provision on labor as mentioned above is ensured at site, meanwhile contractor informed to give more attention on health, safety, welfare& working condition of labors at site.**

- f) All Labor License conditions being followed

√

YES	NO
-----	----

**Obs: Insisted contractor to display copy of the labor license at the site.**

- g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris.

√

YES	NO
-----	----

**Obs: Site management plans Yet to be prepared**

- h) Developed and implemented of site-specific Health and Safety Plan

√

YES	NO
-----	----

**Obs: Instructed contractor to provide Health and Safety plan and display board of Emergency response plan at site.**

- i) Enclose photographs of good practices and non-compliance with captions

√

YES	NO
-----	----

**6.3 Critical Safeguards**

[tick (√) for Complied, X for not applicable and blank for not complied]

SI No.	Parameter	Location	
		02BLY01A WTP	02BLY01B WTP
1	Direction boards, warning boards/signs, etc. provided	x	
2	Safety measures (barricading and warning signs) for Excavated Earth works observed	x	x
3	Watering for dust mitigation undertaken	x	
4	Project Sign Board provided with complete details including contact no.		
5	Blockage clearance of drains done	x	x
6	Clearing of Debris to avoid obstruction to vehicles and walking done	x	x
7	Trenches are opened and filled in the least possible time	x	x
8	Proper disposal of debris done	x	x
9	Proper coverage to vehicles while transporting debris provided	x	x
10	Wetting stockpiles of sand and metals carried out	x	
11	Contamination of groundwater / surface water is not noticed	√	√
12	Informed public of work in the area	x	x
13	Construction work stopped during night and early morning hours	√	√
14	Access to public and private properties provided	x	x
15	Alternative Traffic Plan provided especially for vehicles and pedestrians	x	x
16	No Persons below under the age of 14 employed	√	√
17	Workers wearing helmets, gloves and boots, etc	x	
18	Hardship and inconvenience to public/business grievance received	x	x
19	Health and Safety Talk conducted by Contractor before the start of work		
20	No. of labours as per attendance register	x	√



#### 6.4 Deviation/Concerns of Safeguards and Action to be taken

1. Direction boards, Warning boards/Sign boards are yet to be improved in ongoing works.	Informed contractor to provide all necessary caution boards at work sites & Emergency response plan at Key locations with immediate effect.
2. Contractor should provide labor medical insurance.	Informed contractor to provide insurance to the labors at the earliest & submit the photocopy to this office.
3. Workers are not provided with PPE's during the plastering work at Sangankal WTP	Insisted contractor to ensure all necessary PPE's effectively at all working sites.
4. Empty First Aid Box at Sangankal WTP	Insisted contractor to refill all the First Aid Items with immediate effect. Contractor agreed to refill within one day but not yet filled
5. Hard barricading has to be provided at excavated area of clarifier Alipur WTP	Insisted in the last visit also to provide hard barricading but issue is still pending

**6.5. Labor Registration:** Labor license valid up to 31 December 2016 for pipe line distribution work (02BLY01C). For the other WTP work (02BLY01A and 02BLY01B) labour license yet to be taken.

#### 6.6 Persons met during Site visit

Name of Person	Designation	Contact No.
1. Ravi shenkar	Environmental Specialist	9449763336
2. R.S. Khaja Hussain	AEE	9448028676
3. Ramappa	AEE	9481054544
4. Rahamathulla	CSS	9632254856
5. Imtiaz	P M Contractor	9008026404

**6.7. Conclusion:** The implementation of Environmental management plan as per IEE is behind than the other activities. In order to give due importance to the implementation of the EMP, Instructions have been issued to the contractors and Consultants for positive development.

## 6.8 Project Photos of Bellary

**Project Package: 02BLY01A**

**Location: WTP**

**Date: 18 November 2014**



**No work was in progress at the time site visit**



**Project Package: 02BLY01B**

**Location: WTP**

**Date: 18 November 2014**



**Workers  
without shoes and gloves at plastering work**



**First Aid Kit with items**



Project Description Board without contact numbers

## 7 EMP of Hospet

### 7.1 INTRODUCTION

Name and Designation of Official Visiting	Parashivamurthy M.C/Environmental Engineer
Name of Town	Hospet
Date of Visit	21-11-2014
Name of Contractor executing the work	M/s Shyammaraju & Co.(India) Pvt.Ltd.,Bangalore

Name of Area of Visit and description of work ongoing	<p><b>01HPT02A –UGD – Network: Trench excavation, pipe laying, Manhole construction at Valmiki circle, Sandur road and near Malige hotel respectively.</b></p> <p><b>01HP02B – STP: No work was going on at the time of site visit.</b></p>
---	---

## 7.2 OCCUPATIONAL HEALTH AND SAFETY AND LABOUR MEASURES

Mitigation Measures as per IEE/EMP	Compliance tick ( ✓ )		
<p>a) Workers wearing Personal protective equipment</p> <p><b>Observation: Labors were not having PPE's during site visit at the time of site visit. Insisted contractor to provide all required PPE's with immediate effect. .</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td> <td>No</td> </tr> </table>	YES	No
YES	No		
<p>b) Medical insurance coverage for workers present and valid</p> <p><b>Obs: Workmen compensation Insurance Policy has provided, but medical insurance for labors yet to be provided</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>c) Provision of water and sanitation facilities for employees in labor camps</p> <p><b>Obs: No camp labours at present</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td> <td>NA</td> </tr> </table>	YES	NA
YES	NA		
<p>d) Carried out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction.</p> <p><b>Obs: : NGO has conducted HIV/AIDS awareness program on 18/01/2014 for STP and UGD labors and they assure it will continue along with other safety awareness program periodically.</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		
<p>e) Following and implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.</p> <p><b>Obs: Implementation of all statutory provision on labor as mentioned above is ensured at site labour camp, meanwhile contractor informed to give more attention on health, safety, welfare&amp; working condition of labors at site.</b></p>	<p style="text-align: center;">✓</p> <table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>	YES	NO
YES	NO		

f) All Labor License conditions being followed  <b>Obs: Insisted contractor to display copy of the labor license at the site.</b> .	✓ <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">YES</td> <td style="padding: 5px;">NO</td> </tr> </table>	YES	NO
YES	NO		
g) Site Management Plans are prepared and implemented, including aspects such as disposal of debris.  <b>Obs: Site management plans Yet to be prepared</b>	✓ <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">YES</td> <td style="padding: 5px;">NO</td> </tr> </table>	YES	NO
YES	NO		
h) Developed and implemented of site-specific Health and Safety Plan  <b>Obs: Instructed contractor to provide Health and Safety plan and display board of Emergency response plan at site.</b>	✓ <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">YES</td> <td style="padding: 5px;">NO</td> </tr> </table>	YES	NO
YES	NO		
i) Enclose photographs of good practices and non-compliance with captions	✓ <table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">YES</td> <td style="padding: 5px;">NO</td> </tr> </table>	YES	NO
YES	NO		

### 7.3Critical Safeguards

[tick (✓) for Complied, X for not applicable and blank for not complied]

SI No.	Parameter	Location	
		UGD - Network	STP
1	Direction boards, warning boards/signs, etc. provided		×
2	Safety measures (barricading and warning signs) for Excavated Earth works observed		×

3	Watering for dust mitigation undertaken		x
4	Project Sign Board provided with complete details including contact no.		
5	Blockage clearance of drains done	√	x
6	Clearing of Debris to avoid obstruction to vehicles and walking done		x
7	Trenches are opened and filled in the least possible time		x
8	Proper disposal of debris done		x
9	Proper coverage to vehicles while transporting debris provided	x	x
10	Wetting stockpiles of sand and metals carried out		x
11	Contamination of groundwater / surface water is not noticed	√	√
12	Informed public of work in the area	√	√
13	Construction work stopped during night and early morning hours	√	√
14	Access to public and private properties provided		x
15	Alternative Traffic Plan provided especially for vehicles and pedestrians		x
16	No Persons below under the age of 14 employed	√	√
17	Workers wearing helmets, gloves and boots, etc		x
18	Hardship and inconvenience to public/business grievance received	√	√
19	Health and Safety Talk conducted by Contractor before the start of work		
20	No. of labours as per attendance register	√	√

#### 7.4 Deviation/Concerns of Safeguards and Action to be taken

Issues/Deviations	Action Taken/to be taken
1. Direction boards, Warning boards/Sign boards Emergency response plan are not provided at the working site	Contractor insisted to provide all necessary boards at key locations and emergency response plan at the site
2. Grievance report is yet to be maintained	Instructed to maintain grievance received and action taken report in a register
3. As per GCC 13 labor insurance should provide by the contractor.	Informed contractor to provide insurance to the labors at the earliest.



<b>Issues/Deviations</b>	<b>Action Taken/to be taken</b>
4. Occupational Health & safety measures should be provided.	Insisted contractor to provide dust bins and other necessary measures at the site.
5. Necessary PPE's for all workers on site.	Insisted contractor to ensure all necessary PPE's effectively at all working sites.
6. Safety talk before startup of any activities / work	Instructed contractor to make practice of safety talk every day.
7. First Aid box at site	Instructed contractor to provide first aid kit with immediate effect
8. Debris piled near Sandur road to be removed	Contractor promised debris will be removed within 1 <sup>st</sup> week of December 2014

**7.5. Labor Registration: License is valid up to 10/01/2015.**

#### **7.6 Person met during Site visit**

<b>Name of Person</b>	<b>Designation</b>	<b>Contact No.</b>
Girish	AEE	9731409334
Shripadh Hulmani	CSS	9480296194
Chandraakumar	PM Contractor	9900030834

**7.7 Conclusion: There were no major construction activities at the time of visit in both the packages. In order to give due importance to the implementation of the EMP, Instructions have been issued to the contractors and Consultants for positive development.**

#### **7.8 Project Photos of Hospet**

<b>Project Package: 01HPT02A</b>	
<b>Location: Near Sandur road</b>	<b>Date: 21 November 2014</b>



**No  
caution tape/caution board/sign board during  
excavation of trench**



**Debris yet to be removed**



**Worker working inside the trench without any  
PPE's**







**No safeguard measures at excavated area**

**Project Package: 01HPT02A**

**Location: Valmiki circle**

**Date: 21 November 2014**

 <p><b>Debris piled on road</b></p>	 <p><b>No barricading has been provided around the trench</b></p>
<p><b>Location: Near Valmiki circle</b></p>	<p><b>Date: 21 November 2014</b></p>
 <p><b>Due to lack of proper alternative traffic plan public facing to difficulties during movement</b></p>	 <p><b>CC restoration work done at Sandur road</b></p>

**Project Package: 01HPT02A**

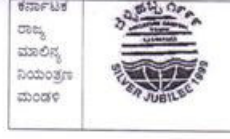
<p><b>Location: Near malige hotel</b></p>	<p><b>Date: 21 November 2014</b></p>
<div> </div> <p><b>Workers without any PPE's</b></p>	<div> </div> <p><b>Restoration work yet to be done</b></p>
<p><b>Location: STP – 01HPT02B</b></p>	<p><b>Date: 21 November 2014</b></p>
<div> </div> <div> </div> <p><b>No work at the time of site visit at STP</b></p>	



## **Annexure I**



Regional Office  
Karnataka State Pollution Control Board ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ  
1<sup>st</sup> Floor, ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
Patawagar Complex ಪೀಠಲಯ ಮಂಡಳಿ, ಪಟಾವಗಾರ ಕಾಂಪ್ಲೆಕ್ಸ್  
P.B.Road, Near HESCOM Office ಹೆಸಕಂ ಕಛೇರಿ ಪಕ್ಕ, ಪಿ.ಬಿ.ರಸ್ತೆ  
Haveri - 581110 ಹಾವೇರಿ - 581110.



towards a cleaner Karnataka

ಸಂ: ಕರಾಮಾನಿಮಂ/ಪ್ರಾಕ(ಹಾವೇರಿ)/2012-13 /3055

ದಿನಾಂಕ: 4 JAN 2013

ಗೆ,

ಪೌರಾಯುಕ್ತರು  
ನಗರಸಭೆ ಕಾರ್ಯಾಲಯ  
ರಾಣಿಬೆನ್ನೂರು  
ಮಾನ್ಯರೇ,

- ವಿಷಯ: ನಿರಾಪೇಕ್ಷಣಾ ಪ್ರಮಾಣ ಪತ್ರದ ಕಾಲಾವಧಿಯನ್ನು ವಿಸ್ತರಣೆ ಮಾಡಿಕೊಡುವ ಕುರಿತು.
- ಉಲ್ಲೇಖ: (i) ಮಂಡಳಿಯ (STP)ಸ್ಥಾಪನಾ ಸಮ್ಮತಿ ಪತ್ರ ಸಂ. KSPCB/SEO-SW/2008-09/433, Dated 23-10-2009  
(ii) ಈ ಕಛೇರಿ ಸಮ್ಮತಿ ಪತ್ರ ಸಂ.160, ದಿನಾಂಕ: 30-04-2012  
(iii) ಈ ಕಛೇರಿ ಪರಿವೇಕ್ಷಣೆ ದಿನಾಂಕ: 19-07-2012  
(iv) ತಮ್ಮ ಕಛೇರಿ ಪತ್ರ ಸಂ. ನಸರಾ/ಎನ್.ಕೆ.ಯು.ಎಸ್.ಐ.ಪಿ/ಎಸ್.ಟಿ.ಪಿ/2012-13/559, ದಿನಾಂಕ: 26-12-2012

ಮೇಲಿನ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಮಂಡಳಿಯು ತಾವು ಉದ್ದೇಶಿಸಿರುವ ಒಳಚರಂಡಿ ನೀರು ಶುದ್ಧೀಕರಣ ಘಟಕಕ್ಕೆ(STP)ಈಗಾಗಲೇ ಉಲ್ಲೇಖ(i)ರಲ್ಲಿ ಸ್ಥಾಪನಾ ಸಮ್ಮತಿ ನೀಡಿರುತ್ತದೆ. ದಿನಾಂಕ 19-07-2012 ರಂದು ಸದರಿ ಒಳಚರಂಡಿ ಶುದ್ಧೀಕರಣ ಘಟಕಕ್ಕೆ ತಮ್ಮ ಪರಿಸರ ಅಭಿಯಂತರರ ಜೊತೆ ಪರಿವೇಕ್ಷಣೆ ಮಾಡಲಾಗಿ ಸುಮಾರು 85% ಘಟಕದ ಕೆಲಸ ಮುಕ್ತಾಯವಾಗಿ ಬಾಕಿ ಕೆಲಸಗಳು ಚಾಲ್ತಿಯಲ್ಲಿದ್ದು ಇನ್ನೊಂದು ತಿಂಗಳಲ್ಲಿ ಮುಕ್ತಾಯವಾಗುವುದಾಗಿ ತಿಳಿಸಿದ್ದರು.

ಆದರೆ ತಮ್ಮ ಉಲ್ಲೇಖಿತ ಪತ್ರ (iv)ರಲ್ಲಿ ಮತ್ತೊಮ್ಮೆ ಸದರಿ ಶುದ್ಧೀಕರಣ ಘಟಕವನ್ನು ಮುಕ್ತಾಯಗೊಳಿಸಲು ಇನ್ನೂ ಕಾಲಾವಕಾಶ ಬೇಕಾಗಿರುತ್ತದೆ ಎಂದು ನಮ್ಮನ್ನು ಕೋರಲಾಯಿತು ಎಂದು ತಿಳಿಸಿರುತ್ತಾರೆ. ಆದರೆ ತಾವು ಇದೊಂದಿಗೂ ನಮ್ಮಲ್ಲಿ ಸದರಿ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಯಾವುದೇ ವಿಷಯವನ್ನು ಪ್ರಸ್ತಾಪಿಸಿರುವುದಿಲ್ಲ. ತಾವೇ ನೇರವಾಗಿ ನಿರಾಪೇಕ್ಷಣಾ ಪತ್ರದ ಕಾಲಾವಧಿಯನ್ನು ವಿಸ್ತರಣೆ ಮಾಡಲು ಸಮ್ಮತಿ ಶುಲ್ಕದೊಂದಿಗೆ ಈ ಹಿಂದೆ ನೀಡಲಾದ ಘಟಕದ ಸಾಮರ್ಥ್ಯಕ್ಕೆ ಮನಃ ಅರ್ಜಿ ಸಲ್ಲಿಸಿರುತ್ತೀರಿ. ಆದರೆ ಸದರಿ ಘಟಕದ(STP) ಕಾಮಗಾರಿಯು ಪ್ರಸ್ತುತ ಪೂರ್ಣಗೊಳ್ಳುವ ಹಂತದಲ್ಲಿದ್ದು, ಮತ್ತೆ ಮನಃ ಅರ್ಜಿ ಸಲ್ಲಿಸುವ ಅವಶ್ಯಕತೆ ಇರುವುದಿಲ್ಲ. ಆದ್ದರಿಂದ ತಮ್ಮ ಉದ್ದೇಶಿತ ಕಾಲಾವಧಿ ವಿಸ್ತರಣಾ ಸಮ್ಮತಿ ಅರ್ಜಿಯನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಹಿಂದಿರುಗಿಸಲಾಗುತ್ತಿದೆ.

ತಮ್ಮ ಒಳಚರಂಡಿ ನೀರು ಶುದ್ಧೀಕರಣ ಘಟಕ ಕಾರ್ಯನಿರ್ವಹಿಸಲು ಪ್ರಾರಂಭಿಸಿದ ನಂತರ ಶುದ್ಧೀಕರಿಸಿದ ನೀರನ್ನು ಮಂಡಳಿಯು ಉಲ್ಲೇಖ(ii) ರಲ್ಲಿ ನೀಡಿದ ಸಮ್ಮತಿಯ ಪರತ್ತುಗಳಂತೆ ಶುದ್ಧೀಕರಿಸಿ ಬಿಡಲು ಸೂಚಿಸಲಾಗಿದೆ.

ಲಗತ್ತು: ಮೇಲಿನಂತೆ



ತಮ್ಮ ವಿಶ್ವಾಸಿ  
(ಈ.ಪ್ರಕಾಶ) 04/01/13  
ಪರಿಸರ ಅಧಿಕಾರಿಗಳು  
ಕರಾಮಾನಿಮಂ, ಹಾವೇರಿ

## Annexure II

GOVERNMENT OF KARNATAKA  
DEPARTMENT OF LABOUR

Office of the  
Asst. Labour Commissioner  
& Licensing Officer,  
Dharwad Division,  
Sujata Complex,  
HUBLI.

**FORM-VI**  
(See Rule 25 (1))  
**LICENCE**

Licence No. ALCH/CLA/LICE- 38/2011.  
Fees Rs1500 /-S.B.I, Hubli. Ch.No:46  
Date:30-05-2011

Dated: 31-05-2011  
Security Deposit Rs. 1500/-  
Ch.No:45, Dated 30-05-2011

1. Licence is hereby granted to **RAMKY INFRASTRUCTURE LTD.,**  
IN J.V. WITH **APR PROJECTS PVT. LTD.,** PLOT NO:783,  
**RADHAKRISHNA NAGAR, ATTAPUR, HYDERABAD-48** under section 12(1)  
of the Contract Labour (Regulation and Abolition) Act, 1970, subject to the conditions  
specified in Annexure.

2 This Licence is for doing the work of **CONSTRUCTION WORK** in the  
establishment of **CITY MUNICIPAL COUNCIL, RANEBENNUR** This  
Licence shall remain in force till **31-03-2012** (01-04-2011 to 31-03-2012)

Signature and seal of the Licensing Officer,  
Licensing Officer,  
Under Contract Labour Act &  
Assistant Labour Commissioner,  
Dharwad Dvn., HUBLI.

Renewal  
(Rule-29)

Date of renewal	Fee paid for renewal	Date of Expiry	Signature and seal of the Licensing Officer
(1)	(2)	(3)	(4)
5-5-2012	ರೂ. 1875-00 SBI ಬೆಂ. 100 ದಿ. 2-5-2012	31-03-2013	Licensing Officer, Under Contract Labour Act & Assistant Labour Commissioner, Dharwad Dvn., HUBLI.
15-6-2013	ರೂ. 1500 + 375 = 1875-00 SBI ಬೆಂ. ನಗರ ಬಾಂಕು ಬೆಂ. 14, ದಿ. 7-6-2013	14-06-2014	Licensing Officer, Under Contract Labour Act & Assistant Labour Commissioner, Dharwad Dvn., HUBLI.
12-8-2014	ರೂ. 1875-00 SBI ಬೆಂ. ನಗರ ಬಾಂಕು ಬೆಂ. 168 ದಿ. 18-7-2014	14-06-2015	Licensing Officer, 13/11 Under Contract Labour Act & Assistant Labour Commissioner Dharwad Dvn., HUBLI.

Annexure III



ಫ್ಯಾಕ್ಸ್ / Fax : 080-25586321  
 ಈಮೇಲ್ / E-mail : ho@kspcb.gov.in  
 ವೆಬ್‌ಸೈಟ್ / Website : http://kspcb.gov.in

25581383, 25589112  
 25588151, 25588270  
 25588142, 25586520

**ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ**  
**Karnataka State Pollution Control Board**

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5 ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ  
 "Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

/By RPAD/  
 No.PCB/110/STP/2013/Reg. No. 56398/ 7/15

Date: 19 MAR 2014  
 CITY CORPORATION  
 Proposed No. 17 p. 7/4/14  
 Section AE

To,  
 The Commissioner,  
 City Municipal Council,  
 Gulbarga

Sir,

**Sub:** Consent for Establishment (CFE) under the Water (Prevention & Control of Pollution) Act, 1974, for the establishing Sewage Treatment Plant (STP) of capacity 40 MLD for treating sewage generated from M/s City Municipal Council, Gulbarga- reg.

**Ref:** 1. Your CFE application submitted at RO-Gulbarga dated: 23.09.2013.  
 2. Inspection of proposed STP location on 30.10.2013 with report at helpdesk on 22.11.2013.

\*\*\*\*\*

M/s. City Municipal Council, Gulbarga, have applied for CFE of the Board for establishing Sewage Treatment Plant of capacity 40 MLD in an extent of 47.15 acres (44 acres i.e., Sy. No. 73/A, 73/AA, 73/E, 72/A, 72/AA, 72/E, 71/A, 71/AA, 70, 76/AA, 68 for STP + 3 acres 15 guntas i.e., 2, 15/A1, 15/A2, 15/A3, 75/AA for sewer line and approach road) at Nandikoor Village, Gulbarga, for the purpose of treating sewage generated from City Municipal Council, Gulbarga.

The Board hereby accords Consent for Establishment from air pollution and water pollution control point of view, subject to the following conditions:

1. This Consent for Establishment is valid for Five years from date of issue.
2. The consent is related only to the pollution aspects of the said project with respect to said location and this consent is in no way construed to give any right, in any nature to the applicant what so ever in this regard, and shall obtain all statutory clearances before commencement of the project.
3. The CMC shall not undertake expansion/diversification/modernization/change of sites etc., without prior clearance from this Board.

14/4/2014  
 14/4/14  
 SENIOR ENVIRONMENTAL OFFICER

3. The applicant shall comply with all the rules and guidelines issued from time to time.
4. The Board reserves right to review and impose additional condition or conditions, revoke, change or alter the terms and conditions.
5. This CFE does not give any right to the Party/Project Authority/Industry to forego any requirement that is necessary for starting operation of the plant.
6. The CMC shall furnish point-wise compliance to the conditions given under Consent for Establishment within 30 days.

Please note that, this is only Consent for Establishment issued to you to proceed with establishment of Sewage Treatment Plant and does not give right for proceeding with operation of the said plant. For the purpose of the operation after establishment, a separate Consent of the Board for discharge of domestic effluent and emissions to the air shall have to be obtained by filing prescribed consent applications along with consent fees under the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974. The application for consent has to be made 45 days in advance to commissioning for trial of Sewage Treatment Plant.

The receipt of this letter may please be acknowledged.

For and on behalf of  
Karnataka State Pollution Control Board

Sd/-  
SENIOR ENVIRONMENTAL OFFICER

Copy to:

- 1) The Regional Senior Environmental Officer, Bellary for information and to inspect the site of STP location during your next visit to the area.
- 2) The Regional Officer, Gulbarga for information and to inspect the site of STP location during your next visit to the area.
- 3) Case file.
- 4) Master file (Help desk)
- 5) Master file

  
SENIOR ENVIRONMENTAL OFFICER

3. The CMC shall treat the sewage in the STP with Sequential Batch Reactor type as per the proposals submitted to the Board. The CMC shall provide the STP as follows,

Sl No	Treatment Unit	Nos	Size (m)		
			Length	Width	Depth
1	Stilling Chamber/Inlet Chamber	1	8	6	1.7
2	Coarse Screen Channel	2+1	12.40	4	3.4
3	Screen chamber	2+1	6	1.5	1.2
4	Grit Chamber	2	19	2.8	1.2
5	SBR Tank	4	45	45	7
6	Chlorine Contact Tank	2	24	6	3.5
7	Sludge drying beds	2	15	10	-

4. The CMC shall dispose the treated sewage on land for irrigation only, after treating the same to the standards stipulated in Annexure-I.
5. All the treatment units shall be made totally impervious.
6. The CMC is liable to reinstate/ restore, damaged or destroyed elements of environment at its cost, failing which the applicant/ occupier as the case may be/shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by competent agency or committee.
7. The separate flow meter shall be installed to record hourly inflow & outflow of domestic effluent into the STP and maintain logbooks for hourly recording for verification of inspecting officers.

### III. AIR POLLUTION CONTROL:

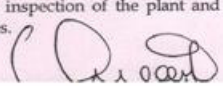
- The applicant shall install the DG set with the prior permission of the board for continuous operation of STP during the power failure.

### IV. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

The solid wastes collected in the treatment plant premises in the form of general garbage shall be disposed off scientifically to the satisfaction of the Board so as not to cause fugitive emissions, dust problems or water pollution through leaching etc., of any kind.

### V. GENERAL:

- The authority shall immediately report to the Board, of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes, etc., in excess of the standards stipulated and the authorities shall immediately take appropriate corrective and preventive actions under intimation.
- Exact date of commissioning of the Sewage-Treatment Plant shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the authorities.





3. The applicant shall comply with all the rules and guidelines issued from time to time.
4. The Board reserves right to review and impose additional condition or conditions, revoke, change or alter the terms and conditions.
5. This CFE does not give any right to the Party/Project Authority/Industry to forego any requirement that is necessary for starting operation of the plant.
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SENIOR ENVIRONMENTAL OFFICER

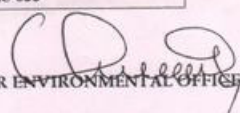
**ANNEXURE-I**  
**ON LAND FOR IRRIGATION**

Sl. No.	Characteristics	Tolerance limits
1.	Colour and Odour	See Note
2.	Suspended Solids, mg/l. max	20
3.	pH value.	5.5 to 9.0
4.	Oil and Grease, mg/l, Max	10
5.	Bio-chemical Oxygen Demand, mg/l. (5 days at 20°C max)	30

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

**HYDRAULIC LOADING APPLICABLE FOR DIFFERENT SOILS**

Sl. No.	Soil Texture	Loading rate in m <sup>3</sup> /hec/day
1	Sandy	225 to 280
2	Sandy Loam	170 to 225
3	Loam	110 to 170
4	Clay Loam	055 to 110
5	Clayey	035 to 055

  
 SENIOR ENVIRONMENTAL OFFICER