Form C-1: Monitoring Form during Planning/Design Stage for NH40

Monitoring Period

From: 01.06.2019 To ; 01.09.2019

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areas,	Check Loss of or damage to Religious areas places and eco-sensitye	Land Stide and soil erosion.	Water Quality	Noise and vibration	Impact on ROW design	Crops and vegetation		Social Impact	ltem
Check eco-sensitive areas	Check encroachment on religious areas	Visit Site and check land plans, alignment	Check final planning and approve if proposal is suitable	Determination officitical sites and methods of mitigation during the construction period.	Check final design drawing and original plan	Interview with local residents will also help in this matter	Check Payment records	Check notification	Check Point
Before Construction Phase	Before and during Construction Period	Site Visits once after monsoon	Before commencement of Construction activities	Monthly/ As necessary	Before commencement of Construction activities	Before commencement date	Monthly! Quarterly! Bi-annually	Monthly/ Quarterly/ Bi-annually	Frequency
Y	⊀`	Υ	•	*		Υ	•	⊀ .	Evaluation or Mitigation status: Y: Good /Yes: N: Poor/No
There are no eco-sensitive areas along the project Highway:	Boundary Wall of Church at Km.70.40 may have to be demolished but actal damage can be commented upon finalization of Plan & Profile during Construction Period	No landslide and soil erosion found along the project Highway.	The proposal for PIB approval submitted to MoRTH. Bids for civil works yet to be invited: However, the water quality aspect has been considered in Material Report of the DPR.	The details of critical sites and method of mitigation have been incorporated by DPR Consultant in their Environmental Impact Assesment Report & Environmental Management Plan and the same has been verified and found satisfactory.	The proposal for PIB approval submitted to MoRTH, Bids for civil works yet to be invited, However, the Design & Drawing submitted by DPR. Consultant has been checked and found satisfactory.	Interview with locals were done during finalisation of DPR & process of SIA/LA.	Final LA Award is yet to be approved by the State Govt.	Social Impact Assesment Report Prepared & Approved by the State Govt on recommendation of Expert Appraisal Committee as per RFCT LARR Act 2013	Remarks
SOHN	\$ -	#	+	+	+	7	to	#	Signature by unecker



Attachment C2: Monitoring Form for NH51

Monitoring during Supervision

Observation of the construction/operation works to ensure mitigation actions will be conducted during site inspections as routine supervision of the work. This work will be conducted as part of general operation working/maintenance progress including daily work. Draft monitoring forms for each stage of the project are shown below.

Form C2-1: Monitoring Form during Planning/Design Stage

Monitoring Period From Date 15 Month 09 Year 2018

To Date 31 Month 03 Year 2019

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SAX :	खन्डाः	©ice d Poin-		Edución C Migaion Jeus Veocuves Missonvos	Coner Topological Greeker
1	Social Impact	- Check notification-	oMonthly/ oQuarterly/ oBi-annually	DY LOM	Signature by inspector
		- Check payment record	oMonthly/ oQuarterly/ oBi-annually	ay / pro	
2	Crops and vegetation	 Interviews with focal residents will also help in this matter. 	commencem ent date	ωY/αN	Assessed during con Brule gristie
3	Impacts on ROW design	- Check final design drawing and original plan	oBefore the commencem ent of construction activities	w//on	Asserted during con Broke Justic Checked at with Broke goods
4	Noise and vibration	Determination of critical sites and methods of mitigation during the construction period	dMonthly/ dAs necessary	ay Agán	
. .	Water quality	Check final planning and approve if proposal is suitable	nBefore the commencem ent of construction activities	JaY FaN	cheded & found switable Birele Joshi
	Land slide and soil erosion	Visit site and check land plans, alignment	uSite visits nonce after monsoon	wY/oN	Chested & incoper design. Block gorhi
	Loss of or damage to Religious places and eco-sensitiv	- Check encroachment on religious areas	oBefore and during construction phase	√e?7/oN	No los. Buel Jorda

	- Check eco-sensitive areas	aBefore construction phase	Jay / oN	No ew suntin ares
	Total	3	Yes_6_No 3	

Form C2-2: Monitoring Form during Construction Stage

Type of work: WIDENING OF TURA-DAW READ.

Monitoring Season: Pre-monsoon La Post-monsoon La Winter

Monitoring Period From Date 31 Month 03 Year 2019

To Date 30 Month II Year 2017

		<u></u>			
	dens	Card-Fra	Ferreis	ACINETION OF AMERICAN SERVICES YACONG VACUS NEIPONAINO	ROTER STEELE D STEELE
1	Social Impact	- Check If the community has brought the problem to the notice of the Consultant and Client	aMonthly .	oY/Jark	Signature by Inspector
2	Air pollution	- Check watering as per the frequency given in the EMP.	□Weekiy	æY/αN	Notadajuati Bruile grahi
		- Proper implementation can be achieved by site inspection along with interviews with local residents.	□Weekly »	æY/oN	Motodequate Bruile grahi Mot adequate Bruil Josili
		- Seasonal monitoiring	□Seasonal	As per Form C1-4	
3	Noise and vibration	- Check that the Contractor is performing mitigation measures.	□Monthly	oy <i>La</i> M	
		This can be achieved by interviewing the locals and site inspection.	aMonthly	Mayya	1
•	٠ .	- Seasonal monitoring	⊡Seasonal _Æ	As per Form C1-5	
4	Water quality	Visit site and check drain provision/ functioning	nWeekly	As per Form	Kidiha diains are present Brute Josephi
		- Seasonal monitoring	nocazoliai	C1-6, 7	Brone Jane



arem.		Greck Polytic		Leveluation of Milipation Services (New York)	Komis Vo Spiemeda	
5	Oll spills and hazardous wastes	- Check the mitigation measures.	п вОпе сћеск	Jay / oN	Not happined Bruk gooding	
		- A fortnighti- Inspection is necessary until the completion of the project.	S 3	.eΥ/αN	Not get orward Bruk Jorda	
6	Spoil disposal	- A monthly inspection of the disposal sites along with the review of the design plan is a better way or assessment.		VAT LON	Sites checked & agree with owner for & Brush Joishi	al disposal
7	Construction waste	 Interviews with local residents will also give a proper assessment of the issue. 		ay toki		
8	Land slide and soil erosion	A site inspection along with the review of the design plans is necessary.	seasons	√a¶/αN	Drighted & sources	design.
9	Earthworks operation	- Ensure the contractor performs detailed design and instability checks	commencem ent date of construction	No / ۲۲عر	Design checks dor Brick grish	
		- Check if erosion or instabilities were observed.	commencem ent date of construction	xY/oN	Checked & enwofe Buck gowthe	durign.
		 The conditions at the site can be observed by a site inspection along with review of the design plan. 	commencem ent date of construction	Ç2Y/ciNi	Checked & incorpor Lesign. Bruke Joislei	: !
10	Traffic safety	 Checking the traffic problems at the construction site. 	□Monthly	√e/Υ /oN	Not adequate as Binch Jorda	ger sice
11	Disturbanc e lo flora	- Inspect ROW boundary and adjacent area	□Weekly / □Monthly	oY.LaN		
12	Disturbanc e to fauna	Visit sile and check the proposed alignment and construction area	@Monthly	aY/JaX	1.	
13	Loss or damage of cultural sites or religious	- Interviews with local residents will also give a proper assessment of the issue.	nonce in six months.	JY/oN	No damage Built goids	

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91/1	L. Level Land	(Single Point)	Farues/	Havaluation of Mitigation of M	Spales.	
-	places Constructio	- Check if the	□Weekly	7 1	,	
14	n labour force and its impacts	Contractors are following the mitigation measures	Davecra	DY VaM		t. Lilony
		- Check with the communities and construction staff if any conflict has occurred; if yes find out reason.	□Weekly	JoY/aN	Checked for conf Bute york	sara 4. 0
u Albij		This can be achieved by regular site inspections. The frequency should be once in fifteen days.	pWeekly	oy ÌzÑ		
15	Work camp operation	- During construction and after completion of the works. The inspection should be planned once every two months throughout the project period	aMonthly		Camp operation checked Brude Justi.	
<u> </u>		Total		Yes 14, No 8		

Form C2-3: Mo	nitorin	g Form d	uring Ope	eration Stag	<u>e</u>	
Operation Stage: _	No	PROJE	CTS IN	OPELATI	TON HO	APPLICABLE
Monitoring Season:						
Monitoring Period	From	Date	Month	Year		
	To	Data	Month	Voor	a,	la.

<u>3</u> 1	ilane		o Jaramanay -	VEOCONYE: VEIPOGPINO	Pener Vi Liponicos Prener
1	Noise and vibration	Visit site and compare with Normal situation	Periodical	ay/aN	Signature by Inspector
		- Seasonal monitoring	Periodical	As per Form C1-5	and wage to the
2.	Air Quality	- Seasonal monitoring	Periodical	As per Form	



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				C1-4	······································
3	Water Quality	- Seasonal monioring	Periodical	As per Form C1-6, 7	
4	Plantation	The number of trees surviving during each visit shall be compared with the number of sapling plant	growth every year for initial five years	oY/oN	
		- Record the growth of plantation	Assess growth every year for initial five years o1st/o2nd/ o3rd /o4th /o5th	oY/oN	
		Total		YesNo	

Monitoring of Impacts and Mitigation Measures

Environmental and social Impact/mitigation monitoring shall be conducted to determine the actual and social impacts. Draft monitoring forms are shown in below.

Form C2-4: Monitoring of Air Quality

Type of work: WOENING OF TULA - DAW ROAD

Monitoring Season: □ Pre-monsoon / □ Post-monsoon / □ Winter

Monitoring Period From Date Month Year

> Date Month Year

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	WHO Standards		150-23 0	70	30	400	100-15 0		
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Form C2-5: Monitoring of Noise and Vibration

Type of work:	MOENING	of luxy	1-DALU	POAD	
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Monitoring Fre	equency: 🗈 1st / 🗗 2	nd/a3rd			

Monitoring Period From <u>Date Month Year</u>

To Date Month Year

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	NEQS	Noise	Residentia dB(A) Silent Are dB(A)	Nigh a E	Time(22 ay Time	(6:00-22 :00-6:00); : (6:00-22 :00-6:00);	50dB(A) 2:00); 45	DONE DONE
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		Noise-1	Leq	dB(A)	<u> </u>	1		A CONTRACT OF MALES
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No. 2	Location)	Noise-3	Lmax	dB(A)		ļ		
2		Vib-1	L10	dB				
		Noise-1	Leq	dB(A)	1			·
	(Detail of	Noise-2	Lmin	dB(A)	<u> </u>			
No.	Location)	Noise-3	Lmax	dB(A)		ļ		
3		Vib-1	Lto	dB				
		Noise-1 ·	Leq	dB(A)				
	(Detail of	Noise-2	Lmin	dB(A)	1	1	1	
	Location)	Noise-3	Lmax	dB(A)			1	
		Vib-1	L10	₫B	<u> </u>	1		<u> </u>



Form C2-6: Monitoring of Surface Water Quality

Type of work: DIDENING OF TURA-DALU ROAD.

Monitoring Times : 1st / a 2nd / a 3rd

Monitoring Period From Date IS Month 09 Year 2018

To Date 10 Month 02 Year 2019

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Form C2-7: Monitoring of Groundwater / Community Water Tank Quality

Type of work:	WIDEN I	NO DF	TURA -	DAW ROAS	<u>D</u> .	
Monitoring Time	es :0/st/0	2nd / 🕳 3rd	1			
Monitoring Fred	quency : a Da	aily / 🗆 Wee	kly / 🗆 Montl	nly & Seasonal		
Monitoring Peri	od From	Date 15	Month 09	Year 2018		
	To	Data 10	Month o 2	Year 2019	•	

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Form C2-8: Monitoring of Land Slide and Soil Erosion

Detail of location: A LONG TURA - DALU ROAD.

Type of work: NOCHING OF TURA - DALU ROAD.

Monitoring Times: 1st/ a 2nd / a 3rd

Monitoring Period From Date Ol Month 06 Year 2019

To Date 30 Month 09 Year 2019

Sili	Tiens	Vinia	peak tenas	in the second
1	Current land use	·	KES DENTIAL	
2	Size of land slide/soil erosion	Km x Km.	6x0.03	
3	Reason of land slide/soil erosion		RAINFALL	
4	Past record	DD/MM/YY	MOT AVAILABLU	\neg
5	Nearest water source (if any)	Nos., kind	NIL	

Form C2-9: Monitoring of Plantation

Type of work: WIDENING OF TUKA-DAW ROAD.

Monitoring Times: a 1st / a 2nd / a 3rd

Monitoring Period From

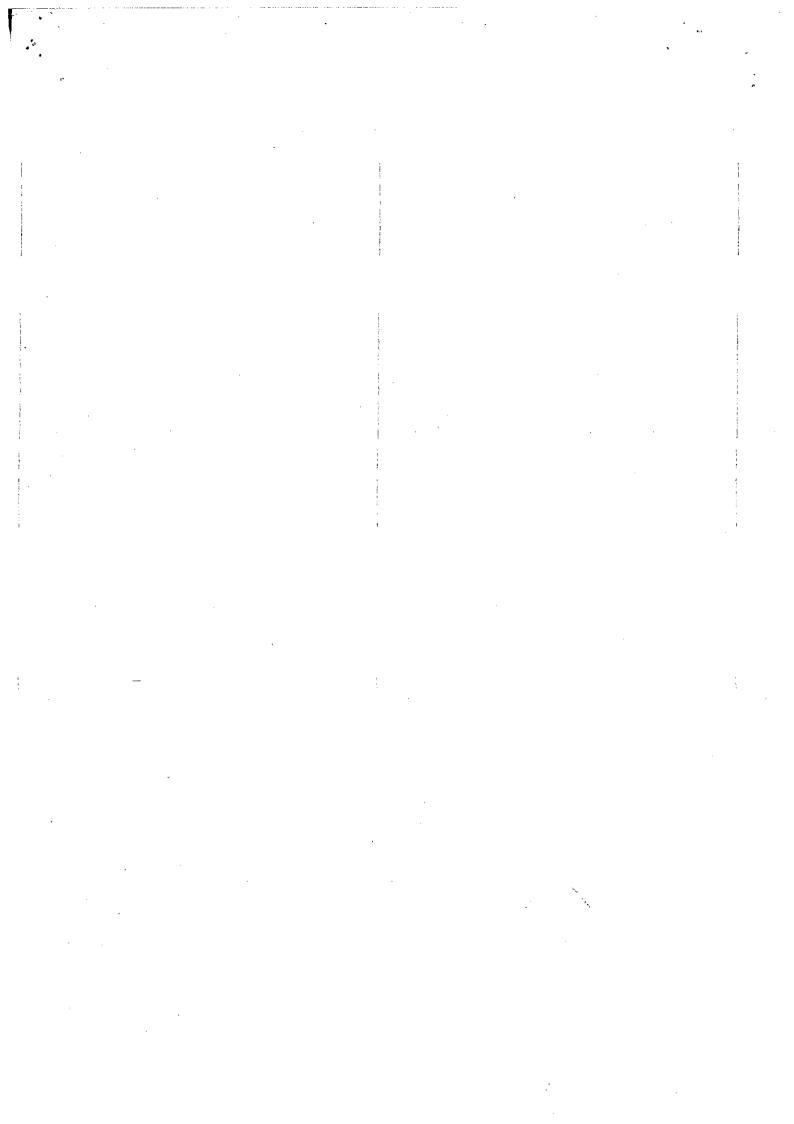
Date Ol Month 07 Year 2019

To Date 30 Month 09 Year 2019

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Incidence of diarrhoea No. Of cases(National average)						NA	
Incidence of upper respiratory infection No. Of cases(National average)						NA	
Incidence of tuberculosis No. Of cases(National average)						NA	
Incidence of malaria No. Of cases(National average)		NA NA				NA	
HIV infection No. Of cases(National average)		NA NA				NA NA	
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