Form-2

APPLICATION FOR PRIOR ENVIRONMENTAL CLEARANCE

S. No.	Item	Details	
	Whether it is a violation case and application is being submitte under Notification No. S.O.804(E) dated 14.03.2017 ? Details of Project:	d No	
1.	(a)Name of the project(s)	Development of Satellite Town Ring Road (STRR) Phase-I newly declared Nation NH-48A from Dabaspet (km 0.000) to Ramanagara (km 82.200) in Bangalore R Ramanagara Districts in Karnataka under Bharatmala Pariyojna.	al Highway ural and
	(b)Name of the Company / Organisation	NATIONAL HIGHWAYS AUTHORITY OF INDIA PIU BANGALORE EXPRESSWAY	
	(c)Registered Address	718, 11th Cross, 20th Main, Padmanabha Nagara, Bengaluru,,Bangalore Urban,Karnataka-560070	
	(d)Legal Status of the Company	Central Government	
	(e)Joint Venture	No	
	Address for the correspondence:		
	(a)Name of the Applicant	S P Somashekar	i
	(b)Designation (Owner/ Partner/ CEO)	Project Director	i
	(c)Address	Sy. no .13, 14th km, Nagasandra, Bengaluru - Tumkur Road (NH-4) , Bengaluru 560073,PIU Banglore,Bangalore North,Bangalore Urban,Karnataka-560073	
2.	(d)Pin code	560073	Ī
۷.	(e)E-mail	piubngexpressway2022@gmail.com	
	(f)STD Code.	80(f)Telephone No.	26694383
	(g)Fax No.(h)Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency .	Annexure-Uploaded Copy of documents in support of the competence/authority	I
	Category of the Project/Activity as per Schedule of EIA	Notification,2006:	
	(a.I)Project/Activity	7(f) Highways	
	Minor Activity		
3.	(b)Category	A	
5.	(c)Proposal Number	IA/KA/MIS/75227/2018	
	(d)Master Proposal Number(Single Window)	SW/252569/2022	
	(e)EAC concerned (for category A Projects only)	INFRA-1	
	(f)Project Type	Fresh EC	
	Location of the Project:		
	(a)Plot/Survey/Khasra No.	attached separately	
4.	(b)Pincode	562159	
	(c)Bounded Latitudes (North)		
	From		

	Degree	12
	Minutes	40
	Second	10.25
	From	
	Degree	13
	Minutes	14
	Second	56.80
	(d)Bounded Longitudes (East)	
	From	
	Degree	77
	Minutes	18
	Second	29.26
	From	
	Degree	77
	Minutes	19
	Second	50.23
	(e)Survey of India Topo Sheet No.	57G3,57G4, 57G7, 57G8, 57H1, 57H5, 57H6
	(f)Uploaded Topo Sheet File	Copy of Topo Sheet File
	(g)Maximum Elevation Above Means Sea Level(AMSL)	1467
	(h)Uploaded (kml) File	Copy of Kml File
	(i)Distance of Nearest HFL from the project boundary within the study area	0
	(j)Seismic Zone	2
	(a)Number of States in which Project will be Executed	1
5.	(b)Main State of the project	Karnataka

		Details of	f State(s) of the project	
S. No.	State Name	District Name	Tehsil Name	Village Name
(1.)	Karnataka	Bangalore Rural	Nelamangala	
(2.)	Karnataka	Bangalore Rural	Nelamangala	Obalapura, Manne, Kannohalli, Dasenahalli, Thattekere, Karimanne, Maddenahalli, Nijagal Kempohalli, Lakkuru, Agalakuppa, etc.
(3.)	Karnataka	Ramanagara	Magadi	Goruru, Parvathapalya, Kannasandra, Beeravara, Gudemaranahalli, Uddandahalli, Harthi, Rangenahalli, Singripalya, etc.
(4.)	Karnataka	Ramanagara	Magadi	
(5.)	Karnataka	Ramanagara	Ramanagar	

(6.)	Karnataka	Ramanagara			Ramanagar		Melehalli, B	vaderahalli, Lak ommachanahal halli, Madapura Balaguli, etc.	li, Harisandra , Kethohalli,
6. 7. 7.	Details of Terms of Reference (a)Whether TOR is mandatory (b)MoEF&CC / SEIAA File Num (c)Date of Apply of TOR (d)Date of Issue of TOR / Star (e)Previous TOR Letter Details of Public Consultation (a)Whether the Project Exemption (b)Whether details of Public Hearing was rank of Additional District Mag 1. Details of Public Hearing	for submitting application ber dard ToR DI: ted from Public Hearing? earing available? presided over by an officer of the		Yes 10-33/2018-IA.III 06 Jun 2018 23 Jan 2019 Copy of Previous TOR letter No Yes the Yes					
S. No.	Details of Advertisement	Details of Public Hearing	Venue		Location Details	No. of People Attended	Issues Raised	Designation of Presiding Officer	Other Designati of Presidin Officer
(1.)	Date of Advertisement 09 Jul 2019 : Copy of advertisement :	Copy of Public Hearing :Copy of Public HearingDate :16 Aug 2019Distance of Public Hearing Venue From the Proposed Project :4	Basava Sri Shivashri Kaly Mantapa Chanadanaho Village, Shivag road, Bengalu Rural District	dalli gange	State : Karnataka District Bangalore Rural : Tehsil Nelamangala : Village Kalyana Mantapa Chanadanahodalli village	50	Land related	Others	ADC & AD
(2.)	Date of Advertisement 01 Jul 2019 : Copy of advertisement :	Copy of Public Hearing :Copy of Public HearingDate :09 Aug 2019Distance of Public Hearing3	National High Authority of Ir Project Office premises, Basavanapura (Ramadevarap Ramanagara 562128	ndia,	State : Karnataka District : Ramanagara Tehsil : Ramanagar Village : Ramaagara	54	Land Compensation, project configuration, C&D waste management	District Magistrate	

		fro Pro	enue om the oposed oject :								
8.	Details of Project Cor	<u>nfiguratio</u>	n/Prod	uct:							
8.1.	Project Configurat	ion									
S. No.	Plant/Equipment/F	acility		Configu	ration			Re	marks		
(1.)	Highway Project Includir Structures	ng	82.200			Greenfield High	way				
8.2.	Product										
S. No.	Product/Activity (Capacity/Area)	Quan	ntity		Unit	Othe	er Unit		e of Transport / nission of Product	Tra Trans	r Mode of nsport / mission of roduct
(1.)	National Highway	82.20		Kilomete	ers			Road			
					der Clause 7	Details Not A	plicable				
0.1	Details of Consent to (i)Whether Consent to ((ii)Copies of all Consent (iii)Date of Issue	operate ob		,			plicable				
9.1.	(i)Whether Consent to ((ii)Copies of all Consent	operate ob t to operate	e obtain	, ied since ir		Details Not A	plicable				
9.1.	(i)Whether Consent to ((ii)Copies of all Consent (iii)Date of Issue (iv)Valid Upto (v)File No. (vi)Application No.	operate obt t to operate operate va ject at curr Environme vards CER (es) Environme	e obtain alid as o rent pric ent Mana (Corpora ent Mana	, in date ce level (in agement (ate Enviror	nception n Crores) [Capital) (in nment	Details Not A	plicable				

	c)Notified Ed	co-sensitive a	reas			Yes					
12.		roject attrac ıle of EIA No		c Condition sp	pecified in	No					
13.	(a)Proposed (b)Existing ((c)Total qua	ial / Fuel Re l quantity of ra quantity of raw ntity of raw m	aw material/fu w material/fue naterial/fuel			14423179 N/A 14423179					
13.1	. Raw Ma	aterial / Fue	l Profile	1				1			
5. No.	Raw Material / Fuel	Quantity	Unit	Other Unit	Source (incase of Import. please specify country and Name of the port from which Raw Material / Fuel is received)	Mode of Transport	Other Mode of Transport	Distance of Source from Project Site (in Kilometres) (In case of import, distance from the port from which the raw material / fuel is received)	Type of Linkage	Other Type of Linkage	Uploaded Copy of Linkage
(1.)	Soil	9781942	Others	Cum	Identified Borrow Areas	Road		4	Open Market		<u>Copy of</u> Linkage
(2.)	Cement	229976	Others	Tons	Identified nearest Cement Factory	Road		40	Open Market		<u>Copy of</u> Linkage
(3.)	Steel	50138	Others	Tons	Identified Steel Plants	Road		20	Open Market		<u>Copy of</u> Linkage
(4.)	Fly Ash	778305	Others	Cum	Nearby Thermal Power Station	Road		300	Open Market		<u>Copy of</u> Linkage
(5.)	Aggregate	2760907	Others	Cum	Identified Quarries	Road		30	Open Market		<u>Copy of</u> Linkage
(6.)	Sand	781870	Others	Cum	Identified Sand Quarries	Road		30	Open Market		<u>Copy of</u> <u>Linkage</u>

(7.)	Bitumen	40041	Others	Tons	Nearby Approved Source	Road	4) Ot	pen Market	<u>Copy of</u> <u>Linkage</u>
14.	Baseline Dat (a)Period of E (b)Season		ata Collecti	ion		FROM 01 Jun 201	8 To 30 Jun 201	8		
14.1	No. of amb	pient Air Q	uality (AA	AQ) monitorin	g locations : 7					
S. No.	Criteria	a Pollutant	s	Other Criter	ia Pollutants	Unit	Maximum Value	Minimum	Value 98 Percentile Value	e Prescribed Standard
(1.)	PM10					Micro Gram per Meter Cube	90.2	30.5	87.02	100
(2.)	SO2					Micro Gram per Meter Cube	9.3	6.5	8.72	80
(3.)	Others		c	0		Mili Gram per Meter Cube	1.05	0.06	0.91	4
(4.)	NOx					Micro Gram per Meter Cube	28.8	13.5	24.28	80
(5.)	PM2.5					Micro Gram per Meter Cube	43.4	6.4	32.08	60
14.2	No. of Gro	und Water	monitori	ing locations :	4					
S. No.	Criteria Pollutants	Other C Pollut		Heavy Metal	Unit	Other Unit	Maximum Value	Minimum	Value Desirable Lim	Maximum it Permissible Limit
(1.)	рН				NA		8.15	7.43	6.5	8.5
(2.)	TSS				mg/l		0	0	0	0
(3.)	Heavy Metals		A	Arsenic	mg/l		0	0	0.01	0.05
(4.)	Total Hardness	5			mg/l		540	160	200	600
(5.)	Chlorides				mg/l		244.17	29.77	250	1000
(6.)	Fluoride				mg/l		1.01	0.71	1	1.5
(7.)	TDS				mg/l		1310	453	500	2000
14.3	No. of Sur	face Water	monitori	ing locations :	4					
S. No.	Criteria	a Pollutant	s	Other Criter	ia Pollutants	Unit	Other Uni	t Maxim Value		Classification of inland wate body
(1.)	DO					mg/l		5.2	4.8	A

Type/Sou	rce Gene (Kilolit	Water rated tre per	Capacit	ty per	Treatment Method	Mode of Di	isposal				Wat Recy	ter Used in cling/Reuse	Discha	antity of Irged Water tre per Day)	
Waste W			ouring Oper	ration)				1							
(a)Whethe	r Desalination	is propo	sed			No									
Others	Water Tanker	3436	0		Not Appliacble	modeOthers	Water Tanker		Others			00	21 Jan 2022	3436	
Source	Source Other	Quant (Kiloli per D	tity Dist itre fro ay Sou	om	Copy of Permission from Competent Authority	Mode of Transport	Mode	e of	Wate	er	Other Method of Water Withdrawal	Letter No.	Date of Issue	Permittee Quantity	
Details o	of Water Req	uiremen	t (During (Operat	ion)										
(a)Range o Ground Lev (b)Range o Ground Lev	of Water Table vel (m bgl)) of Water Table vel (m bgl))	Pre-Mon Post-Mor	soon Seasor	on (Met	ers Below										
рН										6.70			5.57		
	ductivity		Others			µs/cm							63.4		
K(Potassiun	n)		Kilogram p	er hecta	are					89.60			44.80		
P(Phosphor	us)		Kilogram p	er hecta	are					456.41			151.22		
N(Nitrogen))		Kilogram p							242.56	5		150.52		
	-			Unit			Other U	nit			Maximum V	/alue	Minimum Value		
	oil Sample M	lonitoro	-					43.34 55					55		
Leq(Day)			-			66.63		53.39					65		
F	Parameter			Uni	t	Max	kimum \	Value			Minimum V	alue	Prescribe	ed Standard	
No. of A	mbient Nois	e monito	oring locati	ions : 7	7	1									
COD						mg/l				48		32.0	С		
BOD						mg/l				8.2		6.0	A		
	COD	BOD COD No. of Ambient Noise Parameter Leq(Day) Leq(Night) No. of Soil Sample M Parameter N(Nitrogen) P(Phosphorus) K(Potassium) Electric Conductivity pH Details of Ground Wate Ground Level (m bgl)) (b)Range of Water Table Ground Level (m bgl)) (b)Range of Water Table Ground Level (m bgl)) (b)Range of Water Table Ground Level (m bgl)) (c)Whether Ground Wate Details of Water Req Source Source Maste Water Tanker (a)Whether baslination Waste Water Manage	BOD COD No. of Ambient Noise monitor Parameter Leq(Day) Leq(Night) No. of Soil Sample Monitorer N(Nitrogen) P(Phosphorus) K(Potassium) Electric Conductivity pH Details of Ground Water Table (a)Range of Water Table Pre-Mon Ground Level (m bgl)) (b)Range of Water Table Post-Mon Ground Level (m bgl)) (b)Range of Water Table Post-Mon Ground Level (m bgl)) (c)Whether Ground Water Interset Details of Water Requirement Source Source Mater Tanker 3436 (a)Whether Desalination is proportion Waste Water Management (D	BOD G BOD COD COD Parameter Leq(Day) A-weighted Leq(Night) A-weighted No. of Soil Sample Monitored Iocations Parameter A-weighted N(Nitrogen) Kilogram p P(Phosphorus) Kilogram p K(Potassium) Kilogram p PH Others PH Others PH Others PH Others PG Source (m bgl)) (b)Range of Water Table Pre-Monsoon Seaso Ground Level (m bgl)) Source (c)Whether Ground Water Intersection will b Details of Ground Level (m bgl)) (c)Whether Ground Water Requirement (During Of Ground Level (m bgl)) Disin freger Day (Kid)) Others Source Required Quantity (Kid) Disin freger Day (Kid)) Others Water Table Proposed Data freger Day (Kid)) Others Water Tanker 3436 O (a)Whether Desalination is proposed Waste Water Generated (Kilolitre per Day (Kilolitre	BOD	BOD COD Interstanding locations : 7 Variable Noise monitoring locations : 7 Unit Leq(Day) A-weighted decibels(dB(A)) Leq(Day) A-weighted decibels(dB(A)) Leq(Night) No. of Soil Sample Monitored locations : 4 Parameter Unit No. of Soil Sample Monitored locations : 4 Parameter Unit N(Nitrogen) Kilogram per hectare P(Phosphorus) Kilogram per hectare K(Potassium) Kilogram per hectare Electric Conductivity Others Vater Table Pre-Monsoon Season (Meters Below Ground Level (m bgl)) (b)Range of Water Table Post-Monsoon Season (Meters Below Ground Level (m bgl)) Others Otetails of Ground Water Intersection will be there ? Details of Water Table Post-Monsoon Season (Meters Below Ground Level (m bgl)) (c)Whether Ground Water Distance from Competent Authority Source Source Source Required Quantity (Kilolitre pre Day	BOD mg/l COD mg/l COD mg/l COD mg/l No. of Ambient Noise monitoring locations : 7 mg/l Parameter Unit Max Leq(Day) A-weighted decibels(dB(A)) 66.63 Leq(Night) A-weighted decibels(dB(A)) 59.40 No. of Soil Sample Monitored locations : 4 Max Parameter Unit CO N(Nitrogen) Kilogram per hectare P P(Phosphorus) Kilogram per hectare Form 11.24 K(Potassium) Others µs/cm pH Others From 11.24 Ground Level (m bgl)) From 11.24 From 1.47 (b)Range of Water Table Pre-Monsoon Season (Meters Below Ground Level (m bgl)) From 1.47 (c)Whether Ground Water Intersection will be there ? No Details of Ground Water Intersection will be there ? No Source Source Other Required Quantity (Kid)) Distance from Source Source Source (Mater Table ? No Source Source Other 3436 0 Not Appliacble Mode of Transport Transport Authority <t< td=""><td>BOD mg/l BOD mg/l COD mg/l COD mg/l No. of Ambient Noise monitoring locations : 7 mg/l Parameter Unit Maximum Leq(Day) A-weighted decibels(dB(A)) 66.63 Leq(Night) A-weighted decibels(dB(A)) 59.40 No. of Soil Sample Monitored locations : 4 Parameter Unit Other U N(Nitrogen) Kilogram per hectare P(Phosphorus) Kilogram per hectare Form 11.24 To 3.26 P(Phosphorus) Kilogram per hectare ps/cm From 11.24 To 3.26 Ground Level (m bgl)) Others µs/cm From 11.24 To 3.26 (a)Range of Water Table Pre-Monsoon Season (Meters Below Ground Level (m bgl)) From 1.47 To 42.05 From 1.47 To 42.05 (c)Whether Ground Water Intersection will be there ? No No Mode of Transport Source Source Other Required Quantity from Source Source Source (Kloi) Not Mode of Transport Tanker (a)Whether Desalination is proposed Not Mode of Disposal Mode of Disposal (a)Whether Desalination is proposed Not Mode of Disposal </td></t<> <td>mg/lmg/lmg/lmg/lmg/lCODmg/lNo. of Ambient Noise monitoring locations : 7Maximum ValueLeq(Day)A-weighted decibels(dB(A))G6.63Leq(Night)A-weighted decibels(dB(A))S9.40No. of Soil Sample Monitore locations : 4ParameterUnitOther UnitNo. of Soil Sample Monitorelocations : 4ParameterUnitOther UnitNo. of Soil Sample Monitorelocations : 4ParameterUnitOther UnitN(Nitrogen)Kilogram per hectareP(Phosphorus)Kilogram per hectareFrom 11.24 To 3.26Foom 11.24 To 3.26Gound Level (m bgl))(b)Range of Water Table Pre-Morsoon Season (Meters Below Ground Level (m bgl))From 11.24 To 3.26Foom 1.47 To 42.05SourceSourceCopy of Permission TransportSourceNoSourceNotCopy of Permission (Kilolitre per Day (Kilolitre per Day (Kilolitre per Day (Kilolitre per Day (Kilolitre (Kilolitre per Day (Kilolitre </td> <td>BOD mg/l mg/l COD mg/l mg/l No. of Ambient Noise monitoring locations : 7 mg/l mg/l No. of Ambient Noise monitoring locations : 7 Maximum Value Leq(Day) A-weighted decibels(dB(A)) 66.63 Leq(Night) A-weighted decibels(dB(A)) 59.40 Leq(Night) A-weighted decibels(dB(A)) 59.40 No. of Soil Sample Monitored locations : 4 Unit Other Unit No. of Soil Sample Monitored locations : 4 Villagram per hectare Villagram per hectare P(Phosphorus) Kilogram per hectare µs/cm Villagram per hectare K(Potassium) Kilogram per hectare µs/cm Villagram per hectare Required (m logil) Others µs/cm Villagram per hectare Villagram per hectare Required (m logil) Others µs/cm Villagram per hectare <t< td=""><td>BOD mg/l Rel mg/l Rel Rel<</td><td>mg/l8.2BODmg/l8.2COOmg/l8.2COOmg/l8.2COOmg/l8.2COOmg/l8.2ParameterUnitMaximum ValueMinimum ValueLeq(Night)A-weighted decibels(dB(A))59.4043.34Leq(Night)A-weighted decibels(dB(A))59.4043.34Variant Variant Var</td><td>BOD mg/l 8.2 6.0 COD mg/l 48 32.0 No. of Ambient Noise monitoring locations : 7 Parameter Unit Maximum Value Minimum Value Leq(Day) A-weighted decibels(dB(A)) 66.63 53.39 </td><td>BOD Image mage mage S.2 G.0 ✓ A COD mg/l Maximum Value Maximum Value Minimum Value C C No. of Ambient Noise montering locations : 7 Maximum Value Minimum Value Minimum Value Prescribe Leq(Najh) A-weighted decibels(dB(A)) 66.63 S3.39 G G G Leq(Najh) A-weighted decibels(dB(A)) 59.40 43.34 S5.7 G No. of Soil Sample Monitore/ Ioeztons : 4 Parameter Unit Other Unit Maximum Value Minimum Value Minim</td></t<></td>	BOD mg/l BOD mg/l COD mg/l COD mg/l No. of Ambient Noise monitoring locations : 7 mg/l Parameter Unit Maximum Leq(Day) A-weighted decibels(dB(A)) 66.63 Leq(Night) A-weighted decibels(dB(A)) 59.40 No. of Soil Sample Monitored locations : 4 Parameter Unit Other U N(Nitrogen) Kilogram per hectare P(Phosphorus) Kilogram per hectare Form 11.24 To 3.26 P(Phosphorus) Kilogram per hectare ps/cm From 11.24 To 3.26 Ground Level (m bgl)) Others µs/cm From 11.24 To 3.26 (a)Range of Water Table Pre-Monsoon Season (Meters Below Ground Level (m bgl)) From 1.47 To 42.05 From 1.47 To 42.05 (c)Whether Ground Water Intersection will be there ? No No Mode of Transport Source Source Other Required Quantity from Source Source Source (Kloi) Not Mode of Transport Tanker (a)Whether Desalination is proposed Not Mode of Disposal Mode of Disposal (a)Whether Desalination is proposed Not Mode of Disposal	mg/lmg/lmg/lmg/lmg/lCODmg/lNo. of Ambient Noise monitoring locations : 7Maximum ValueLeq(Day)A-weighted decibels(dB(A))G6.63Leq(Night)A-weighted decibels(dB(A))S9.40No. of Soil Sample Monitore locations : 4ParameterUnitOther UnitNo. of Soil Sample Monitorelocations : 4ParameterUnitOther UnitNo. of Soil Sample Monitorelocations : 4ParameterUnitOther UnitN(Nitrogen)Kilogram per hectareP(Phosphorus)Kilogram per hectareFrom 11.24 To 3.26Foom 11.24 To 3.26Gound Level (m bgl))(b)Range of Water Table Pre-Morsoon Season (Meters Below Ground Level (m bgl))From 11.24 To 3.26Foom 1.47 To 42.05SourceSourceCopy of Permission TransportSourceNoSourceNotCopy of Permission (Kilolitre per Day (Kilolitre per Day (Kilolitre per Day (Kilolitre per Day (Kilolitre (Kilolitre per Day (Kilolitre 	BOD mg/l mg/l COD mg/l mg/l No. of Ambient Noise monitoring locations : 7 mg/l mg/l No. of Ambient Noise monitoring locations : 7 Maximum Value Leq(Day) A-weighted decibels(dB(A)) 66.63 Leq(Night) A-weighted decibels(dB(A)) 59.40 Leq(Night) A-weighted decibels(dB(A)) 59.40 No. of Soil Sample Monitored locations : 4 Unit Other Unit No. of Soil Sample Monitored locations : 4 Villagram per hectare Villagram per hectare P(Phosphorus) Kilogram per hectare µs/cm Villagram per hectare K(Potassium) Kilogram per hectare µs/cm Villagram per hectare Required (m logil) Others µs/cm Villagram per hectare Villagram per hectare Required (m logil) Others µs/cm Villagram per hectare Villagram per hectare <t< td=""><td>BOD mg/l Rel mg/l Rel Rel<</td><td>mg/l8.2BODmg/l8.2COOmg/l8.2COOmg/l8.2COOmg/l8.2COOmg/l8.2ParameterUnitMaximum ValueMinimum ValueLeq(Night)A-weighted decibels(dB(A))59.4043.34Leq(Night)A-weighted decibels(dB(A))59.4043.34Variant Variant Var</td><td>BOD mg/l 8.2 6.0 COD mg/l 48 32.0 No. of Ambient Noise monitoring locations : 7 Parameter Unit Maximum Value Minimum Value Leq(Day) A-weighted decibels(dB(A)) 66.63 53.39 </td><td>BOD Image mage mage S.2 G.0 ✓ A COD mg/l Maximum Value Maximum Value Minimum Value C C No. of Ambient Noise montering locations : 7 Maximum Value Minimum Value Minimum Value Prescribe Leq(Najh) A-weighted decibels(dB(A)) 66.63 S3.39 G G G Leq(Najh) A-weighted decibels(dB(A)) 59.40 43.34 S5.7 G No. of Soil Sample Monitore/ Ioeztons : 4 Parameter Unit Other Unit Maximum Value Minimum Value Minim</td></t<>	BOD mg/l Rel mg/l Rel Rel<	mg/l8.2BODmg/l8.2COOmg/l8.2COOmg/l8.2COOmg/l8.2COOmg/l8.2ParameterUnitMaximum ValueMinimum ValueLeq(Night)A-weighted decibels(dB(A))59.4043.34Leq(Night)A-weighted decibels(dB(A))59.4043.34Variant Variant Var	BOD mg/l 8.2 6.0 COD mg/l 48 32.0 No. of Ambient Noise monitoring locations : 7 Parameter Unit Maximum Value Minimum Value Leq(Day) A-weighted decibels(dB(A)) 66.63 53.39	BOD Image mage mage S.2 G.0 ✓ A COD mg/l Maximum Value Maximum Value Minimum Value C C No. of Ambient Noise montering locations : 7 Maximum Value Minimum Value Minimum Value Prescribe Leq(Najh) A-weighted decibels(dB(A)) 66.63 S3.39 G G G Leq(Najh) A-weighted decibels(dB(A)) 59.40 43.34 S5.7 G No. of Soil Sample Monitore/ Ioeztons : 4 Parameter Unit Other Unit Maximum Value Minimum Value Minim	

(1.)	NA	0		0	0		Green Belt Renewal Plant			0				
16.1.	(b)Total Disc	te Water Gene harged Water sed Water (Kilo	(Kilolitı	re per I	Day)		0 0 0							
17.	Solid Was	te Generatio	n/Man	ageme	ent									
S. No.	Name of Waste	Item	Oth Ite		Quantity per Annum	Unit	Distance from Site(KM)			Other Mode of Transport		Mode of Disposal	0	ther Mode of Disposal
(1.)	Solid Waste	Municipal Solid Waste			185	Tons	0	Road			Oth	ers		osting for gradable & landfill ners
18.														
18.1.	Air Qualit	y Impact Pre	dictio	n										
S. No.	Criteria Pollutants	Other Cr Polluta			Unit		Baseline Concentration	Dis	stance GLC	Increme Concentr		Total G	LC	Prescribed Standard
(1.)	PM2.5			Microg	ıram per Met	er Cube	15.4	0.50)	21.6		37		60
(2.)	PM10			Microg	ıram per Met	er Cube	53.7	0.50)	15.2		71.9		100
(3.)	Others(Speci	fy) CO		Microg	ıram per Met	er Cube	0.19	0.50)	2647		2647.19		2000
(4.)	S02			Microg	Iram per Met	er Cube	0	0		0		0		80
(5.)	NOx			Microg	Iram per Met	er Cube	20.30	0.50)	370		391.3		80
18.2.	Stack Det	ails												
S. No.	Source	Fue	I		Stack Heig	ht(m)	Stack Diameter	(m)	Pollut	ants	Othe	r Pollutants		Emission (GLS)
(1.)	NA	NA		0			0		NOx				0	
19.	(b)Source (c)Uploaded (d)Standby	(Kilo Volt Amp Copy of Agree Arrangement (ement		Sets)		. State Electricity B Not Applicable . .	oard						
20.	(e)Stack Height (in m) Land Ownership Pattern: (a)Forest Land (ha.) (b)Private Land (ha.) (c)Government Land (ha.)						0 619.294 66.073							

	(d)Revenue Land (ha.)		0			
	(e)Other Land (ha.)		0			Í
	Total Land (ha.)		685.367			ĺ
	Present Land Use Breakup of	the Study Area in Ha:				
	(a)Agriculture Area (ha.)		7089.76			Í
	(b)Waste/Barren Land (ha.)		11.64			Í
	(c)Grazing/ Community Land (ha	l.)	0			Í
	(d)Surface Water Bodies (ha.)		48.24			
21.	(e)Settlements (ha.)		178.62			
21.	(f)Industrial (ha.)		0			
	(g)Forest (ha.)		0			
	(h)Mangroves (ha.)		0			ļ
	(i)Marine Area (ha.)		0			_ !
	(j)Others (ha.) : Vegetation		952.24			ļ
	Total (ha.)		8280.5000			
22.	Land requirement for various	activities				
S. No.	Description of Activity / Facility / Plant / Others	Others	Land Requirement (ha.)		Remarks	
	racincy / Flanc / Others					
(1.)	Others	National Highway Development	685.367	ROW Inc	cluding Rest Area and green belt development	
(1.)		National Highway Development	685.367 685.367	ROW Ind	cluding Rest Area and green belt development	
(1.)	Others Total (ha.)		685.367		cluding Rest Area and green belt development Protected Area; ESAs-Eco Sensitive Areas;	
	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones :	<u>Sensitivity (Within 10 Km):- W</u>	685.367			
23.	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones :	<u>Sensitivity (Within 10 Km):- W</u>	685.367	Notified		
23.	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones : Details of Ecological Sensiti Details of Ecological	<u>Sensitivity (Within 10 Km):- W</u> vity :	685.367	Notified	Protected Area; ESAs-Eco Sensitive Areas;	
23. 23.1 S. No.	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones : Details of Ecological Sensiti Details of Ecological Sensitivity	Sensitivity (Within 10 Km):- W vity : Name Ramadevarabetta Vulture	685.367 /LS-Wild Life Sanctuaries; NPA- Distance from the Project (Notified	Protected Area; ESAs-Eco Sensitive Areas; Remarks	
23. 23.1. S. No. (1.)	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones : Details of Ecological Sensiti Details of Ecological Sensitivity ESZs	Sensitivity (Within 10 Km):- W vity : Name Ramadevarabetta Vulture Sanctuary Ramadevarabetta Vulture	685.367 /LS-Wild Life Sanctuaries; NPA- Distance from the Project (0.2	Notified	Protected Area; ESAs-Eco Sensitive Areas; Remarks	
23. 23.1. S. No. (1.) (2.)	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones : Details of Ecological Sensiti Details of Ecological Sensitivity ESZs NPA	Sensitivity (Within 10 Km):- W vity : Ramadevarabetta Vulture Sanctuary Ramadevarabetta Vulture Sanctuary	685.367 /LS-Wild Life Sanctuaries; NPA- Distance from the Project (0.2 1.5	Notified	Protected Area; ESAs-Eco Sensitive Areas; Remarks	
23. 23.1. S. No. (1.) (2.) (3.)	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones : Details of Ecological Sensiti Details of Ecological Sensitivity ESZs NPA Corridors	Sensitivity (Within 10 Km):- W vity : Name Ramadevarabetta Vulture Sanctuary Ramadevarabetta Vulture Sanctuary NA Ramadevarabetta Vulture	685.367 /LS-Wild Life Sanctuaries; NPA- Distance from the Project (0.2 1.5 0	Notified	Protected Area; ESAs-Eco Sensitive Areas; Remarks 0 0	
23. 23.1 5. No. (1.) (2.) (3.) (4.)	Others Total (ha.) Ecological and Environmental ESZs-Eco Sensitive Zones : Details of Ecological Sensiti Details of Ecological Sensitivity ESZs NPA Corridors WLS	Sensitivity (Within 10 Km):- W vity : Name Ramadevarabetta Vulture Sanctuary Ramadevarabetta Vulture Sanctuary NA Ramadevarabetta Vulture Sanctuary Ramadevarabetta Vulture	685.367 /LS-Wild Life Sanctuaries; NPA- Distance from the Project (0.2 1.5 0 1.2	Notified	Protected Area; ESAs-Eco Sensitive Areas; Remarks 0 0 0 0 0 0 0 0	

S. No.	Details of Environmental Sensitivity	Other Details of Environmental Sensitivity	Name	Distance from the Project (Km)	Remarks					
(1.)	Forest		0	0	0					
(2.)	Defence Installations		0	0	0					
(3.)	Archaeological Sites		0 0 0							
23.3.	(a)Whether Noc / Permission from required? (b)Whether NBWL recommendation		No No							
24.	<u>Forest Land:</u> Whether any Forest Land invo	blved?	No							
25.	Tree Cutting: (a)No. of Trees Cut for the Projec (b)Details of Tree Cutting and Pla	· · · ·	22207	utting and Planting of Trees						
26.	Land Acquisition Status: (a)Acquired Land(Ha) (b)Land yet to be acquired(Ha) (c)Status of Land acquisition if ne	ot acquired	685.37 685.37 under progress							
27.	Rehabilitation and Resettleme (a)No. of Villages (b)No. of Households (c)No. of PDFs (Project Displaced (d)No. of PAFs (Project Affected I (e)Funds Allocated for R&R(in IN (f)Status of R&R	l Families) Families)	61 468 0 468 203454.24 In-Progress							
28.	Details of Presence of Schedue (a)Whether there is Presence of Schedue (i)Details of Schedule-I Species (b)Whether conservation plan for prepared ? (i)Uploaded copy of conservation (ii)Fund Provision made (iii)Period of Implementation (c)Whether conservation plan for approved by competent authority	Schedule-I Species ? Schedule-I Species has been plan Schedule-I Species has been	Yes Tiger, Leopard, Elephant, Yes <u>Copy of conservation plan</u> 2500000 During Construction & Op							

	Details of Presence of Water Bodies in Core Area:	
	(a)Whether there is Presence of Water Bodies in Core Area ?	Yes
29.	(i)Details of Water Bodies in Core Area	Arkavathi River and Ponds
29.	(b)Whether there is Diversion Required ?	No
	(c)Whether permission has been obtained from competent authority ?	No
30.	Details of Presence of Water Bodies in Buffer Area:	
50.	(a)Whether there is Presence of Water Bodies in Buffer Area ?	No
	Manpower Requirement:	
	(a)Permanent Employment-During Construction	100
	(b)Permanent Employment-During Operation	150
31.	(c)Temporary Employment- During Construction	1500
	(d)Temporary Employment- During Operation	500
	(e)No. of working days	730
	(f)Total Manpower	2250
	Green Belt in Ha:	
	(a)Total Area of Green Belt	75.43
32.	(b)Percentage of Total Project Area	11.01
52.	(c)No. of Plants to be Planted	77011
	(d)Funds Allocated for Plantation	149674455
	(e)Uploaded Green Belt plan	Copy of Green Belt Plan
33.	Project Benefits	
5. No.	Type of Project Benefits	Details of Project Benefits
(1.)	Social	generation of direct and indirect employment opportunities. The strong regional connectivity proposed through the Project will further increase regional trade and economic growth.

34. CRZ Specific Details : Not Applicable

35. Sector Specific Details For INFRA-1

S. No.	Item	Details
	Details of Building Construction:	
	(a)Maximum Height of the Building (Meters)	0
1.	(b)Total No. of Flats to be Build	0
	(c)No. of Buildings	0
	(d)Total plot area (sqm)	0

	(e)Total built up area (sqm)		0	
2.	Foreshore Facilities and/or Marine Disposal: (a)Whether Project Involves Foreshore Activities and/or marine Disposal?		No	
3.	Rain Water Harvesting: (a)No. of Storage (b)Capacity (c)No. of Recharge Pits (d)Capacity		100	
4.	Parking: (a)Details of 4 Wheeler/ 2 Wheeler Parking .			
5.	Energy Saving Measures: (a)Source/Mode (b)Percentage (c)Quantity		Solar Panels, LED etc.	
6.	Other details: (a)Details of impact on Water Bodies and Drainage patters of catchment area (b)Details of Traffic Density Impact Assessment and Modelling Study (c)In case Underground Tunnel Project below the Forest Land - Subsidence Impact Study report		Bridges have been proposed on all water bodies.For <u>Copy of Details of Traffic Density Impact Assessment and Modelling Study</u> <u>Copy of Underground Tunnel Project below the Forest Land - Subsidence Impact Study</u> <u>report</u>	
7.	<u>Type of Industries to be esta</u>	ablished with Industrial Estate	e as per their category A/B	
S. No.	Type of Industry	No. of Units	Category A/B	
			NIL	
8.	Length of the alignment		82.200	
9.	Details Bridges/ROB/Interchanges,Flyovers,Vehicle Under (a)Total No. of Bridges (b)Total No. of ROB (c)Total No. of Interchanges (d)Total No. of Flyovers (e)Total No. of Vehicle Underpass (f)Total No. of Pedestrian Underpass (g)Details of other utilities rail and road corridors		pass and Pedestrian Underpass 18 3 6 10 32 0 0 0 0 0	

	Details of Court Cases:			
36.	(a)Whether there is any Court Cases pending against the project and/or land in which the project is proposed to be set up ?	No		
	Details of Direction Issued under Environment (Protection) Act / Air (Prevention & Control of Pollution)) Act / Water (Prevention & Control of Pollution)			
37.	Pollution) Act: (a)Whether any Direction issued under EPA Act/Air Act/Water Act ? No			
	Details of EIA Consultant:			
	(a)Have you hired Consultant for preparing document?	Yes		
	(i)Accreditation No.	NABET/EIA/2023/IA0064 (Rev. 01)		
38.	(ii)Name of the EIA Consultant	Louis Berger Consulting Pvt. Ltd.		
	(iii)Address	Plot No.3, IFFCO Tower, 5th Floor, Sector-32, Gurugram, Haryana-122001		
	(iv)Mobile No.	9560678639		
50.	(v)Landline No.	00		
	(vi)Email Id	Mohammad.Akhtar@wsp.com		
	(vii)Category of Accreditation	A		
	(viii)Sector of Accreditation	INFRA-1		
	(ix)Validity of Accreditation	04 Nov 2023		
	(x)Uploaded Certificate of Accreditation certified by QCI/NABET	Copy of Certificate of Accreditation		
	Documents to be Attached:			
		Copy of EIA/EMP		
	(a)Uploaded Copy of EIA/EMP Report	Copy of EIA/EMP(Annexures)		
	(b)Uploaded Conv. of Dick Accessment Depart	Copy of EIA/EMP(Plans/Figures) Copy of Risk Assessment		
	(b)Uploaded Copy of Risk Assessment Report	COPY OF RISK ASSESSMENT		
39.	(c)Uploaded Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan /Approved Mining Plan	<u>Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /</u> Detailed Conceptual Plan /Approved Mining Plan		
	(d)Uploaded Copy of Final Layout Plan	Copy of Final Layout Plan		
	(e)Uploaded Cover Letter	Copy of Cover Letter		
	(f)Uploaded Copy of documents in support of the competence/ authority of the person making this application to make application on behalf of the User Agency	<u>Copy of documents in support of the competence/authority of the person making this</u> application to make application on behalf of the User Agency		
	(g)Uploaded Additional File	NA		
	(h)Uploaded Proposal Presentation (To be given in EAC meeting)	Copy of Uploaded Proposal Presentation		

Essential Detail Sought : NIL

Additional Detail Sought : NIL

Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief. And I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity/ construction/ expansion has since been taken up.

	S P Somashekar
5	Project Director
Name of Company (Applicant Name should not be given here)	NATIONAL HIGHWAYS AUTHORITY OF INDIA PIU BANGALORE EXPRESSWAY
Address	718, 11th Cross, 20th Main, Padmanabha Nagara, Bengaluru

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