

राष्ट्रीय राजमार्ग एवं अवसंरचना विकास निगम लिमिटेड
National Highways & Infrastructure Development Corporation Ltd.

2022_NHDC_704310_1

15.11.2022

Subject : Construction of Uni-directional Sudhmahadev - Dranga Twin Tube Tunnel and its approach roads (From D.Ch. 0.00 to D Ch. 12.85) on Chenani - Sudhmahadev - Goha road (design length 12.850km including Uni-directional Tunnel 1- 5.449/5.417km (Tube-1/Tube-2) and Tunnel 2- 2.64/2.63km (Tube-1/Tube-2)) on NH-244 in the Union Territory of Jammu & Kashmir on EPC mode.

Amendment no-IV

S.N	Clause	Existing Provisions	Amended/modified provisions																																																																																																																																																										
1.	10.3 (i) of DCA	The Contractor shall [548th (Five Hundred and Forty Eight) day] thereof.	The Contractor shall [1460th (One Thousand Four hundred and Sixty) day] thereof.																																																																																																																																																										
2.	14.1 of DCA	The Contractor shall ... 5 (five) years, be paid (if not included in the Schedule - H):	The Contractor shall 10 (ten) years , be paid (if not included in the Schedule - H):																																																																																																																																																										
3.	19.2 (iv) of DCA	At any time..... Annex-III of Schedule-G..... repayment thereof.	At any time..... Annex-II of Schedule-G..... repayment thereof.																																																																																																																																																										
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		(1) Culverts (length < 6m)	7.006%	Cost of each culvert shall be determined on pro rata basis with respect to the total number of culverts. Payment shall be made on the completion of all or five culverts, whichever is less.	(1) Culverts (length < 6m)	7.006%	Cost of each culvert shall be determined on pro rata basis with respect to the total number of culverts. Payment shall be made on the completion of atleast 01 (One) culvert.
6.	1.3.2 Minor Bridges and Underpasses/Overpasses.	Stage of Payment 1	Weightage 2	Payment Procedure 3	Stage of Payment 1	Weightage 2	Payment Procedure 3
		A.2- New minor bridges (on ramps & existing Chenani -Sudhmahadev road)			A.2- New minor bridges (on ramps & existing Chenani -Sudhmahadev road)		
		(i) Foundation +Sub- Structure: On completion of the foundation work including foundations for wing and return walls, abutments, piers up to the abutment/pier cap.	36.251%	(i) Foundation +Sub-Structure: Cost of each minor bridge shall be determined on pro rata basis with respect to the total linear length (m) of the minor bridges. Payment against foundation + sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation+ substructure of each bridge subject to completion of at least two foundations along with sub-structure up to abutment/pier cap level of each bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.	i. Foundation: : On completion of the foundation work including foundations for wing and return walls	10.447%	Foundation: Payment against Foundation shall be made on pro rata basis on completion of at least two foundations. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
		(ii) Super-structure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, handrails, crash barriers, road signs & markings, tests on completion etc. complete in all respect.	32.463%	(ii) Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super-structure of at least one span in all respects as specified in the column of "Stage of Payment" in this sub-clause.	i. Sub Structure: On completion of the of abutments, piers upto the abutment/pier cap.	25.804%	Sub-Structure: Payment against Sub structure shall be made on pro rata basis on completion of atleast two sub structures upto abutment/ pier cap level of each bridge.
		(iii) Approaches: On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.	2.616%	(iii) Approaches: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of approaches in all respect as specified in the column of "Stage of Payment" in this sub-clause.	(ii) Super-structure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, handrails, crash barriers, road signs & markings, tests on completion etc. complete in all respect.	32.463%	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super-structure of at least one span in all respects as specified in the column of "Stage of Payment" in this sub-clause.
		B.2- New Underpasses/Overpasses (on ramps & existing Chenani-Sudhmahadev road)			(iii) Approaches: On completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.	2.616%	(v) Approaches: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of approaches in all respect as specified in the column of "Stage of Payment" in this sub-clause.
		(i) Foundation +Sub- Structure: On completion of the foundation work including foundations for wing and return walls, abutments, piers up to the abutment/pier cap.	24.210%	(i) Foundation +Sub- Structure: Cost of each minor bridge shall be determined on pro rata basis with respect to the total linear length (m) of the minor bridges. Payment against foundation + sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation+ substructure of each bridge subject to completion of at least two foundations along with sub-structure up to abutment/pier cap level of each bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.	B.2- New Underpasses/Overpasses (on ramps & existing Chenani-Sudhmahadev road)		
		(ii) Super-structure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, handrails, crash barriers, road signs & markings, tests on completion etc. complete in all respect.	4.460%	(ii) Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super-structure of at least one span in all respects as specified in the column of "Stage of Payment" in this sub-clause.	i. Foundation: On completion of the foundation work including foundations for wing and return walls,	9.684%	Foundation: Payment against Foundation shall be made on pro rata basis on completion of at least two foundations. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
		(iii) Approaches: On completion of	0.000%	(iii) Approaches:	ii. Sub Structure: on completion of abutments, piers up to the abutment/pier cap.	14.526%	Sub- Structure: Payment against Sub structure shall be made on pro rata basis on completion of atleast two sub structures upto abutment/ pier cap level of each underpass/ overpass.
					iii. Super-structure: On completion of the superstructure in all respects including wearing coat, bearings, expansion joints, handrails, crash barriers, road signs & markings, tests on completion etc. complete in all respect.	4.460%	Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e. completion of super-structure of at least one span in all respects as specified in the column of "Stage of Payment" in this sub-clause.
					(iii) Approaches: On completion of approaches including Retaining walls, stone pitching,	0.000%	(iii) Approaches: Payment shall be made on pro-rata basis on

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		approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.		Payment shall be made on pro-rata basis on completion of a stage i.e. completion of approaches in all respect as specified in the column of "Stage of Payment" in this sub-clause.	protection works complete in all respect and fit for use.		completion of a stage i.e. completion of approaches in all respect as specified in the column of "Stage of Payment" in this sub-clause.
7.	1.3.3 Major Bridge works, ROB/RU B and Structures	Stage of Payment 1	Weightage 2	Payment Procedure 3	Stage of Payment 1	Weightage 2	Payment Procedure 3
		C.2 Viaduct cum Bridge / Viaduct/ New Elevated Section/Flyovers/ Grade Separators			C.2 Viaduct cum Bridge / Viaduct/ New Elevated Section/Flyovers/ Grade Separators		Cost of each structure shall be determined on pro rata basis with respect to the total linear length (m) of the structure
		(i) Foundation	32.292%	(i) Foundation: Cost of each structure shall be determined on pro rata basis with respect to the total linear length (m) of the structure. Payment against foundation shall be made on prorata basis on completion of a stage i.e., not less than 25% of the scope of foundation of the Structure subject to completion of at least two foundations of the Structure. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.	(i) Foundation: Foundation for abutment, piers	32.292%	(i) Foundation: Payment against foundation shall be made on prorata basis on completion of a stage i.e., not less than 25% of the scope of foundation of each structure as per weighthage given in this table, subject to completion of at least two foundations in all respect.. In case load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
		(ii) Sub-structure	18.261%	(ii) Sub-Structure: Payment against Substructure shall be made on pro-rata basis on completion of a stage i.e., not less than 25% of the scope of substructure of the Structure subject to completion of at least two sub-structures of abutments/piers up to abutment/pier cap level of the Structure.	(ii) Sub-structure; Sub structure for abutment, piers upto abutment/pier cap level	18.261%	(ii) Sub-Structure: Payment against Substructure shall be made on pro-rata basis on completion of a stage i.e., not less than 25% of the scope of substructure of the each structure as per weightage given in this table, subject to completion of at least two sub-structures of abutments/piers up to abutment/pier cap level of each structure.
		(iii) Super-structure (including bearings)	46.294%	(iii) Super-structure: Payment shall be made on pro-rata basis on completion of a stage i.e., completion of super-structure including bearings of at least one span in all respects as specified.	(iii) Super-structure (including girder, deck slab, bearings)	46.294%	
		(iv) Wearing Coat including expansion joints.	1.612%	(iv) Wearing Coat: Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.	a. Super structure: casting of girder/ segments(whichever applicable)/ fabrication of girders (steel)	40% of 46.294%	a. Super –structure (casting of girder/ segments):- Unit measurement is numbers. Payment against casting of girders shall be made on pro rata basis with respect to total numbers of girders required in the structure n completion of a stage i.e. not less than completion of casting of at least five girders/ 10(ten) segments(which ever applicable) of the structure.
		(v) Miscellaneous Items like handrails, crash barriers, road markings etc.	1.309%	(v) Miscellaneous: Payments shall be made on completion of all miscellaneous works like handrails, crash barriers, road markings etc. complete in all respects as specified.	b. Super structure: erection of girders, deck slab and bearing	60% of 46.294%	b. Super Structure (erection of girders/ segments, deck slab and bearing): Payment shall be made on pro rata basis on completion of a stage i.e. completion of super structure including bearing of at least one span in all respects as specified.
		(vi) Wing walls/return walls	0.000%	(vi) Wing walls/return walls: Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.	(iv) Wearing Coat including expansion joints.	1.612%	(iv) Wearing Coat: Payment shall be made on pro rata basis on completion of the stage in all respect as specified, for each structure.
		(vii) Approaches (including Retaining walls, stone pitching and protection works)	0.232%	(vii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.	(v) Miscellaneous Items like handrails, crash barriers, road markings etc.	1.309%	(v) Miscellaneous: Payment shall be made on pro rata basis on completion of the stage in all respect as specified, for each structure.
					(vi) Wing walls/return walls	0.000%	(vi) Wing walls/return walls: Payments shall be made on completion of all wing walls/return walls for each structure as per weightage given in this table, completion in all respects as specified.
					(vii) Approaches (including Retaining walls, stone pitching and protection works)	0.232%	(vii) Approaches: Payments shall be made on completion of both approaches including stone pitching, protection works, etc. of each structure , complete in all respects as specified.

S.N	Clause	Existing Provisions			Amended/modified provisions		
		Stage of Payment	Percentage - weightage	Payment Procedure	Stage of Payment	Percentage - weightage	Payment Procedure
8.	1.3.4 Tunnel	A-Investigation and Design		Unit of measurement in submission of Detailed Design and Investigation report complete payment shall be made on the completion and approval of the same.	A-Investigation and Design		Unit of measurement in submission of Detailed Design and Investigation report complete payment shall be made on the completion and approval of the same.
		A-Investigation & Detail Design	1.097%		A-Investigation & Detail Design	1.097%	
		B-Tunnel Portals		Unit of measurement is completion of portal. The payment shall be made on the completion of portals.	B-Tunnel Portals		Unit of measurement is completion of each tunnel portal in all respect. The payment shall be made on the completion of a stage in each portal area in proportion of the area of Tunnel opening.
		A1- Temporary Dewatering Arrangement	1.874%		A1- Temporary Dewatering Arrangement	1.874%	
		A2- Open Excavation and Earthwork (Loose excavation, rock excavation, rip rap layer on embankment, Gabion etc.)	33.800%		A2- Open Excavation and Earthwork (Loose excavation, rock excavation, rip rap layer on embankment, Gabion etc.)	33.800%	
		A3- Primary support measures			A3- Primary support measures		
		1. SFRS/Shotcrete with Wire-mesh	14.834%		1. SFRS/Shotcrete with Wire-mesh	14.834%	
		2. Rock Bolts/Fore-poling/Pipe-roofing	12.145%		2. Rock Bolts/Fore-poling/Pipe-roofing	12.145%	
		A4- Permanent Dewatering (PVC pipes, perforated PVC pipes, precast concrete slots channel elements, dimpled sheets between permanent lines of C&C tunnel length and backfill material, water-proofing membrane etc.)	5.163%		A4- Permanent Dewatering (PVC pipes, perforated PVC pipes, precast concrete slots channel elements, dimpled sheets between permanent lines of C&C tunnel length and backfill material, water-proofing membrane etc.)	5.163%	
		A5-Concrete Works at portal	10.549%		A5-Concrete Works at portal	10.549%	
		A6- Pavement	6.963%		A6- Pavement	6.963%	
		A7-Construction of buildings	14.672%		A7-Construction of buildings	14.672%	
		C- Main Tunnel		Unit of measurement is linear length-meter. Payment of each stage shall be made on pro rata basis of completion of a stage in a continuous length of 50 meter of individual tube.	C- Main Tunnel		Unit of measurement is linear length-meter. Payment of each stage shall be made on pro rata basis of completion of a stage in a continuous length of 50 meter of individual tube. 40% of the payment shall be made against Heading work and 60% of the payment shall be made against Benching work.
		A1- Temporary Dewatering Arrangement	0.355%		A1- Temporary Dewatering Arrangement	0.355%	
		A2- Underground Excavation for tunnel in Support Category dominating the Face Area including Drilling and Grouting			A2- Underground Excavation for tunnel in Support Category dominating the Face Area including Drilling and Grouting		
		ESC-1	9.161%		ESC-1	9.161%	
		ESC-2	1.792%		ESC-2	1.792%	
		ESC-3	16.537%		ESC-3	16.537%	
		ESC-4	3.888%		ESC-4	3.888%	
		ESC-5	6.956%		ESC-5	6.956%	
		A3- Permanent Dewatering Arrangement, (PVC pipes, perforated PVC pipes, precast concrete slots channel elements, dimpled sheets between permanent lines of C&C tunnel length and backfill material, water-proofing membrane etc.)	3.495%		A3- Permanent Dewatering Arrangement, (PVC pipes, perforated PVC pipes, precast concrete slots channel elements, dimpled sheets between permanent lines of C&C tunnel length and backfill material, water-proofing membrane etc.)	3.495%	
		A4- Primary Support Measures			A4- Primary Support Measures		
		SFRS/Shotcrete with Wire mesh			SFRS/Shotcrete with Wire mesh		
		ESC-1	2.143%		ESC-1	2.143%	
		ESC-2	0.423%		ESC-2	0.423%	
		ESC-3	6.786%		ESC-3	6.786%	
		ESC-4	2.193%		ESC-4	2.193%	
		ESC-5	3.369%		ESC-5	3.369%	
		Rock Bolts/Forepoling/Pipe roofing			Rock Bolts/Forepoling/Pipe roofing		
		ESC-1	0.304%		ESC-1	0.304%	
ESC-2	0.080%	ESC-2	0.080%				
ESC-3	1.521%	ESC-3	1.521%				
ESC-4	4.681%	ESC-4	4.681%				
ESC-5	7.215%	ESC-5	7.215%				


S.N	Clause	Existing Provisions			Amended/modified provisions		
		Steel ribs/Lattice Girder			Steel ribs/Lattice Girder		
		ESC-1	0.000%		ESC-1	0.000%	
		ESC-2	0.000%		ESC-2	0.000%	
		ESC-3	1.096%		ESC-3	1.096%	
		ESC-4	0.808%		ESC-4	0.808%	
		ESC-5	1.234%		ESC-5	1.234%	
		A5-Concrete Works	21.566%		A5-Concrete Works	21.566%	
		A6-Instrumentation and Monitoring	0.443%		A6-Instrumentation and Monitoring	0.443%	
		A7-Pavement	3.954%		A7-Pavement	3.954%	
		C-Ventilation	1.053%	On delivery, installation and commissioning of E&M equipment in the ratio of 20:20:60.	C-Ventilation	1.053%	On delivery, installation and commissioning of E&M equipment in the ratio of 20:20:60.
		D- Electro and Mechanical Equipment & Power Supply	13.804%	On delivery, installation and commissioning of E&M equipment in the ratio of 20:40:40 and On installation of power supply to each tunnel portal.	D- Electro and Mechanical Equipment & Power Supply	13.804%	On delivery, installation and commissioning of E&M equipment in the ratio of 20:40:40 and On installation of power supply to each tunnel portal.
9.	1.3.5 Other works.	Stage of Payment	Weightage	Payment Procedure	Stage of Payment	Weightage	Payment Procedure
		(i) Toll plaza	5.738%	Unit of measurement is each completed toll plaza. Payment of each toll plaza shall be made on pro rata basis with respect to the total of all toll plazas.	(i) Toll plaza	5.738%	Payment of Toll plaza shall be made on prorata basis as per following completed stages. i. Rigid payment upto DLC(LHS)-12.5% ii. Rigid payment upto DLC(RHS)-12.5% iii. PQC(LHS):-25% iv. PQC(RHS):-25% v. Admin Building , maintenance Building & Misc. works-12.5% vi. Canopy, Toll Booth, Safety Items & misc. works:12.5%
		(ii) Road-side drains	0.596%	Unit of measurement is linear length in km. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10 % (ten per cent) of the total length.	(ii) Road-side drains	0.596%	Unit of measurement is linear length in km. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 5 (five) % of the total length.
		(iii) Road signs, markings, km stones, safety devices	0.822%		(iii) Road signs, markings, km stones, safety devices	0.822%	
		(iv) Project Facilities			(iv) Project Facilities		
		a) Bus bays	0.000%	Payment shall be made on pro rata basis for completed facilities.	a) Bus bays	0.000%	Payment shall be made on pro rata basis for completed facilities.
		b) Truck lay-byes	0.000%		b) Truck lay-byes	0.000%	
		c) Rest areas	0.000%		c) Rest areas	0.000%	
		d) others	0.026%		d) others	0.026%	
		(e) Roadside plantation	0.000%	Unit of measurement is linear length.	(e) Roadside plantation	0.000%	Unit of measurement is linear length.
		(v) Junction	26.924%	Ramp 1 – 0.913km (Sudhmahadev to Khellani) including one VOP & one MB. Ramp 2– 0.640 km (Chenani to Khellani) Ramp 3– 0.675km (Khellani to Chenani) including one VUP. Ramp 4–0.376km (Khellani to Sudhmahadev) including one MB. Main Road – 1.397 km (Connecting Chenani to Sudhmahadev) including Minor Bridge.	(v) Junction	26.924%	Ramp 1 – 0.913km (Sudhmahadev to Khellani) including one VOP & one MB. Ramp 2– 0.640 km (Chenani to Khellani) Ramp 3– 0.675km (Khellani to Chenani) including one VUP. Ramp 4–0.376km (Khellani to Sudhmahadev) including one MB. Main Road – 1.397 km (Connecting Chenani to Sudhmahadev) including Minor Bridge.
		1. Road Work i.e., 4nos. of Ramps & existing road of Chenani-Sudhmahadev section. Total length is 4001m (2604m ramps+1397m existing)		Unit of measurement is linear length in km. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10 % (ten per cent) of the total length.	1. Road Work i.e., 4nos. of Ramps & existing road of Chenani- Sudhmahadev section. Total length is 4001m (2604m ramps+1397m existing)		Unit of measurement is linear length in km. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 5 % (Five per cent) of the total length.

S.N	Clause	Existing Provisions		Amended/modified provisions	
		2. Protection works like Retaining wall, Gabion wall etc. on 4nos. of Ramps & existing road of Chenani-Sudhmahadev section.		2. Protection works like Retaining wall, Gabion wall etc. on 4nos. of Ramps & existing road of Chenani- Sudhmahadev section.	
		(vi) Muck Disposal Management		(vi) Muck Disposal Management	
		Muck disposal	8.806%	Muck disposal	8.806%
		Protection works at muck location	12.632%	Protection works at muck location	12.632%
		(i) High mast lighting	0.026%	(vii) High mast lighting	0.026%
		(viii) Protection works other than approaches to the bridges, structures and ROB/RUBs.		(viii) Protection works other than approaches to the bridges, structures and ROB/RUBs.	
		a) Retaining Wall/Toe wall etc.	23.722%	a) Retaining Wall/Toe wall etc.	23.722%
		b) Slope Protection work via rock bolting	20.708%	b) Slope Protection work via rock bolting	20.708%
		(ix) Safety and traffic management during construction	0.000%	(ix) Safety and traffic management during construction	0.000%
			Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10% (ten per cent) of the total length.		Payment shall be made on pro rata basis on completion of a stage in a length of not less than 5% (Five per cent) of the total length.
			Payment shall be made on pro rata basis for completion of work.		Payment shall be made on pro rata basis for completion of work.
			Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10% (ten per cent) of the total length.		Payment shall be made on pro rata basis on completion of a stage in a length of not less than 5% (Five percent) of the total length.
			Payment shall be made on prorated basis every six months.		Payment shall be made on prorated basis every six months.
10.		Utility Shifting Plan		As per annexure-1	
11.	NIT & RFP	Bid Due date	21.11.2022(1500 Hrs)	Bid Due date	29.11.2022(1500 Hrs)
		Bid Opening date	22.11.2022 (1530 hrs)	Bid Opening date	30.11.2022 (1530 Hrs)

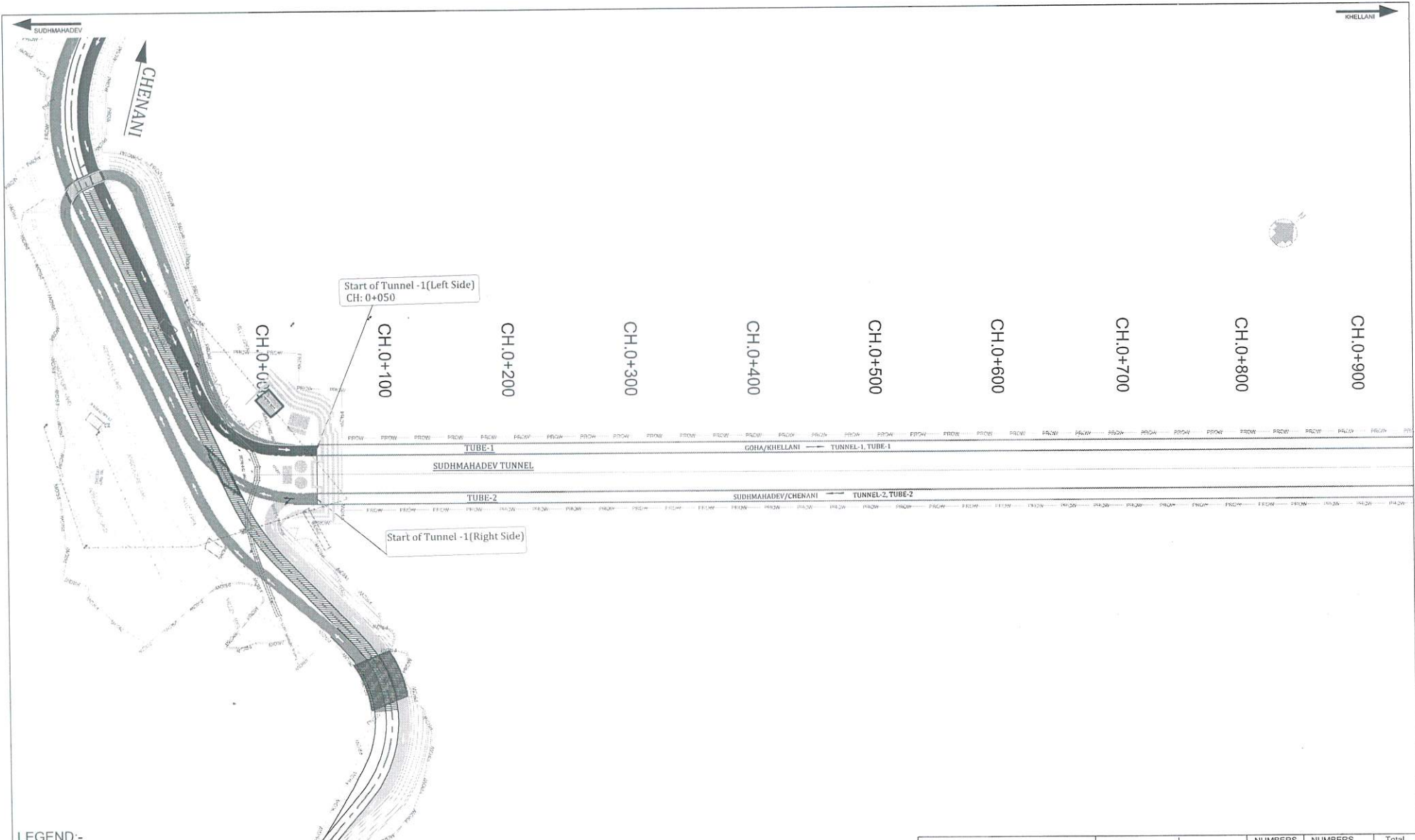
B. Shivprasad
General Manager (T)

Email id: shivprasad.152p@gov.in

Annexure-1



Page 7



Start of Tunnel -1(Left Side)
CH: 0+050

Start of Tunnel -1(Right Side)

LEGEND:-

- PROPOSED CARRIAGEWAY
- PROPOSED CENTER LINE
- PROPOSED ROW

REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION	CLIENT
R2	MARCH-2022		

CLIENT
NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
 (MINISTRY OF ROAD TRANSPORT & HIGHWAY)
 GOVERNMENT OF INDIA

CONSULTANT
 TPF Getinsa Engenharia S.L.
 In Association with
 RODIC CONSULTANTS PVT. LTD.
 1, JAI SINGH MARG (FIRST FLOOR),
 YAMCA CULTURAL CENTRE BUILDING
 NEW DELHI - 110001 (INDIA)

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Checked	AD	
Approved	AT	

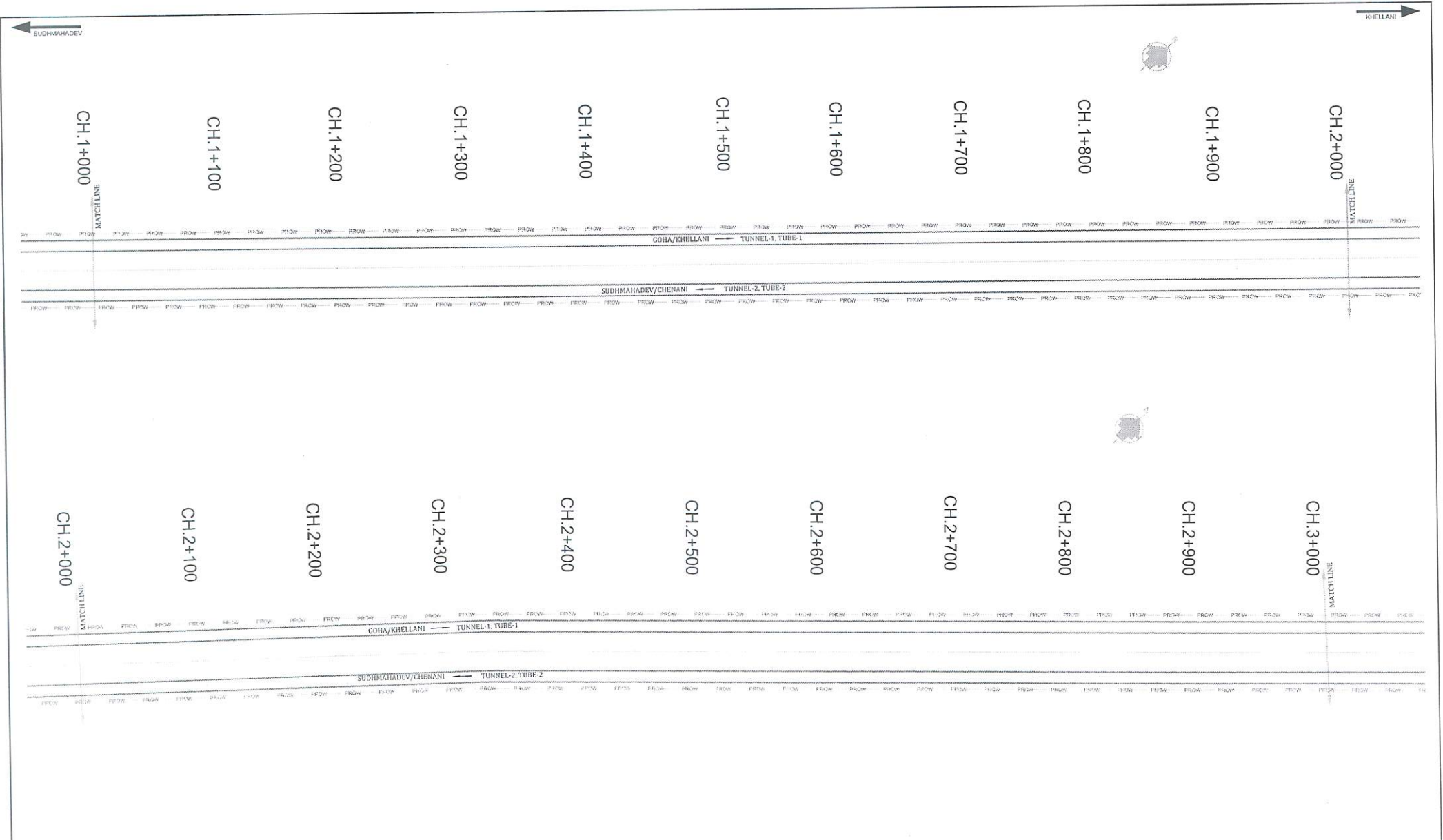
Project	
Drawing Title	
Sheet - A2	

EXISTING LOCATION	PROPOSED LOCATION	NUMBERS LHS	NUMBERS RHS	Total
EP Pole / Light Pole	EP Pole / Light Pole	0	0	0
Transformer	Transformer	0	0	0

Construction of Uni-Directional Tunnels i.e., length of 5.449/5.417km (Tube-1/Tube-2) and length of 2.64/2.63km (Tube-1/Tube-2) and its approach road from Km 0+000 to Km 12+850 of total length 12.850 km on Sudhmahadev - Daranga section on NH-244 in the Union Territory of Jammu & Kashmir

UTILITY PLAN

RCPL-TPF-1-BHC-01-R2



LEGEND:-

- PROPOSED CARRIAGEWAY
- PROPOSED CENTER LINE
- PROPOSED ROW

EXISTING LOCATION		PROPOSED LOCATION		NUMBERS LHS	NUMBERS RHS	Total
EP Pole / Light Pole		EP Pole / Light Pole		0	0	0
Electric Line		Transformer		0	0	0

REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION	CLIENT	CONSULTANT	Project
R2	MARCH-2022		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getiasa Egroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Construction of Uni-Directional Tunnels i.e., length of 5.449/5.417km (Tube-1/Tube-2) and length of 2.64/2.63km (Tube-1/Tube-2) and its approach road from Km 0+000 to Km 12+850 of total length 12.850 km on Sudhmahadev - Daranga section on NH-244 in the Union Territory of Jammu & Kashmir
					Drawing Title
				Scale H=1:1500	UTILITY PLAN (Km. 1=000 to Km. 2=000)
				Designed: BD Drawn: NL Checked: AD Approved: AT	Sheet - A2 RCPL-TPF-1-BHC-02-R2



LEGEND:-


PROPOSED CARRIAGEWAY	---
PROPOSED CENTER LINE	----
PROPOSED ROW	=====

EXISTING LOCATION	PROPOSED LOCATION	NUMBERS LHS	NUMBERS RHS	Total
EP Pole / Light Pole	EP Pole / Light Pole	0	0	0
Transformer	Transformer	0	0	0

REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION
R2	MARCH-2022	

CLIENT

NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(MINISTRY OF ROAD TRANSPORT & HIGHWAY)
GOVERNMENT OF INDIA



CONSULTANT

TPF Getinsa Engenharia S.L.
In Association with

RODIC CONSULTANTS PVT. LTD.
1, JAI SINGH MARG (FIRST FLOOR),
YMCA CULTURAL CENTRE BUILDING
NEW DELHI - 110001 (INDIA)

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Checked: AD	
Approved: AT	

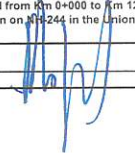
Project

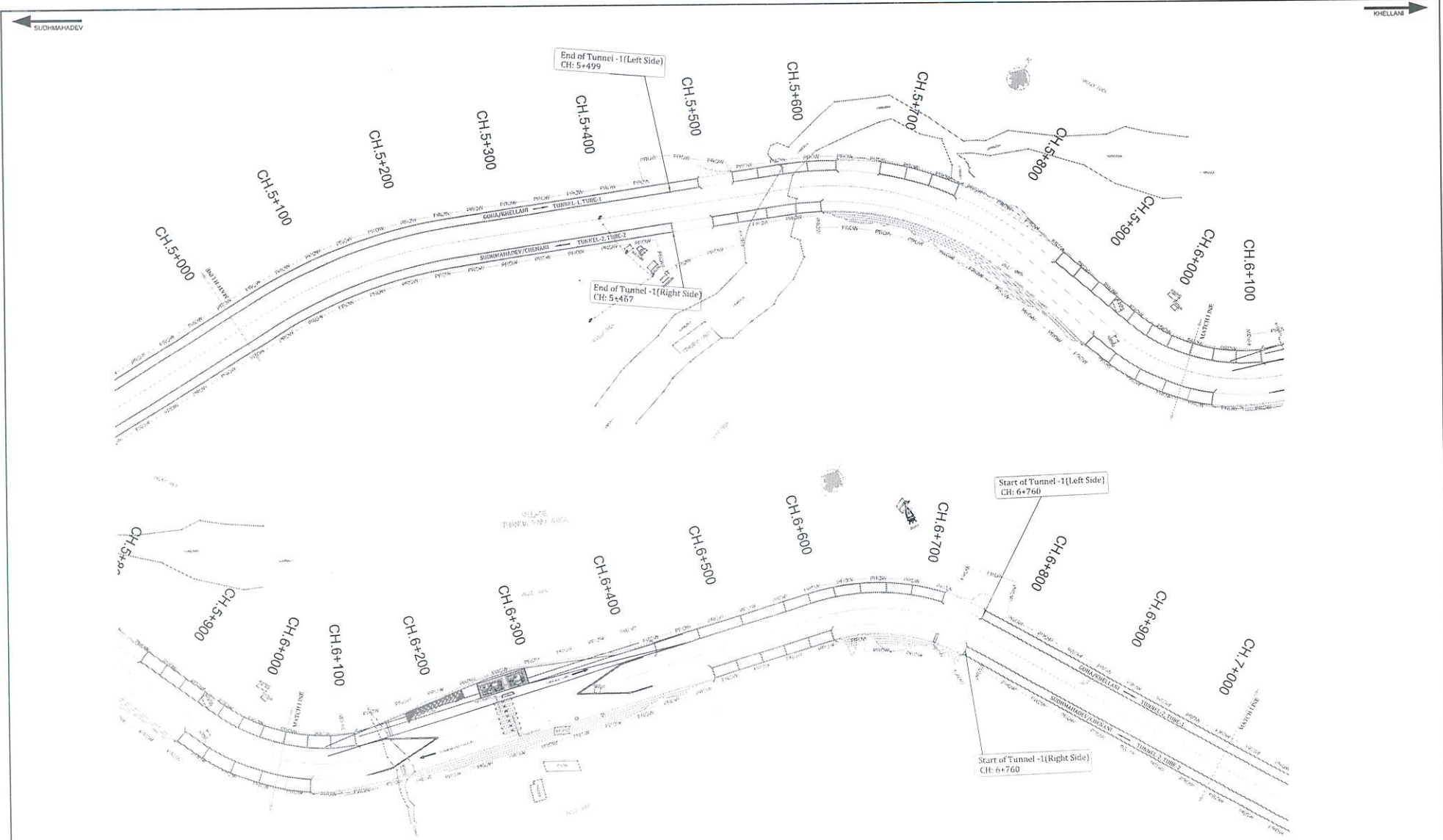
Construction of Uni-Directional Tunnels i.e., length of 5.449/5.417km (Tube-1/Tube-2) and length of 2.64/2.63km (Tube-1/Tube-2) and its approach road from Km 0+000 to Km 12+850 of total length 12.850 km on Sudhmahadev - Daranga section on NH-244 in the Union Territory of Jammu & Kashmir

Drawing Title

UTILITY PLAN

Sheet - A2 RCPL-TPF-1-BHC-03-R2





LEGEND:-

PROPOSED CARRIAGEWAY	
PROPOSED CENTER LINE	
PROPOSED ROW	

EXISTING LOCATION		PROPOSED LOCATION		NUMBERS LHS	NUMBERS RHS	Total
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Electric Line		Transformer	<input type="checkbox"/> T	0	0	0

REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION
R2	MARCH-2022	

CLIENT
NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
 (MINISTRY OF ROAD TRANSPORT & HIGHWAY)
 GOVERNMENT OF INDIA

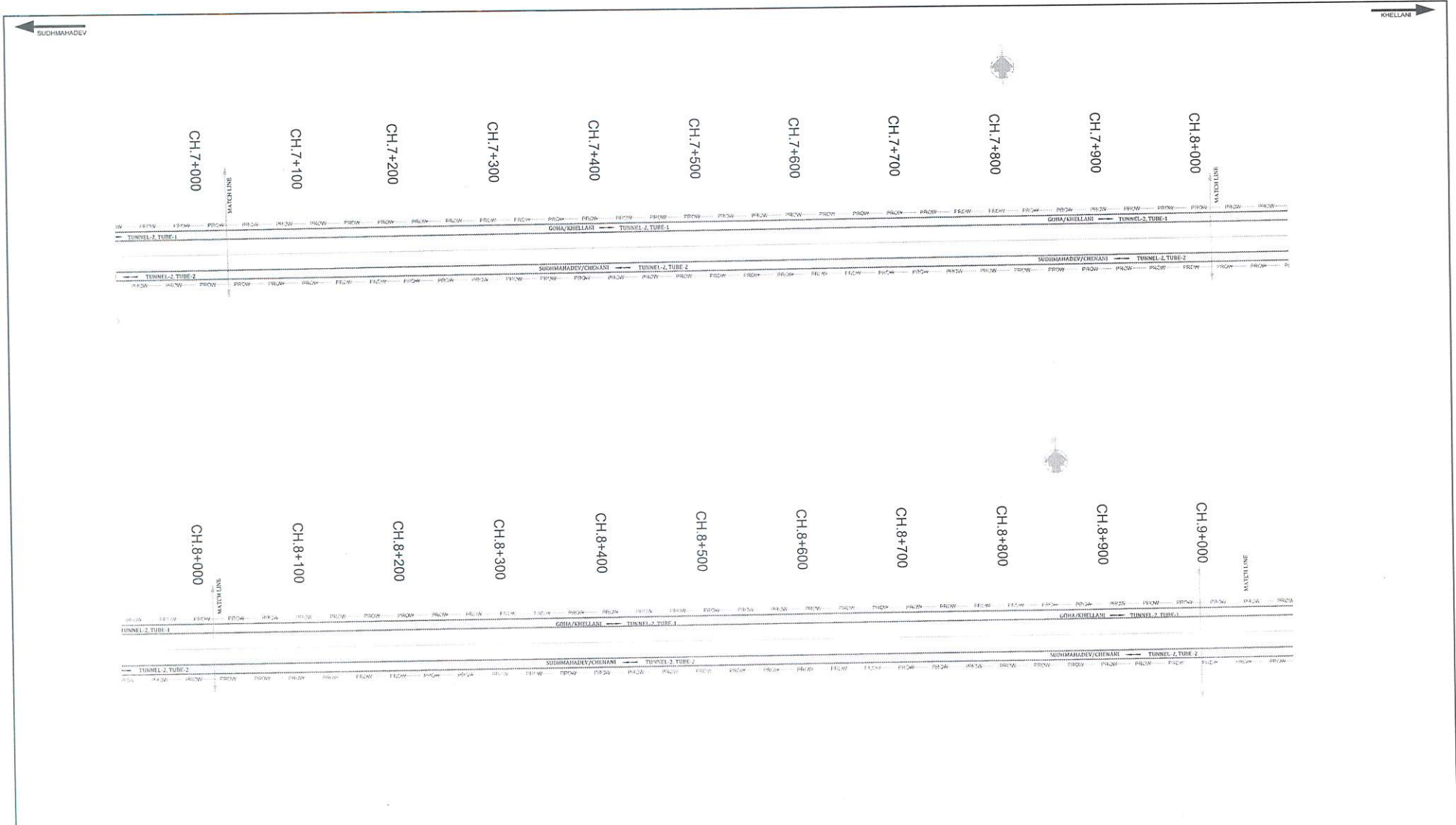
CONSULTANT
 TPF Getma Forestudies S.L.
 In Association with
RODIC CONSULTANTS PVT. LTD.
 1, JAI GRIHA MARG (FIRST FLOOR),
 YMCA CULTURAL CENTRE BUILDING,
 NEW DELHI - 110001 (INDIA)

Designed: BD	Scale: 1:1500
Drawn: NK	
Checked: AD	
Approved: AT	

Project
 Construction of Uni-Directional Tunnels i.e., length of 5.449/5.417km (Tube-1/Tube-2) and length of 2.64/2.63km (Tube-1/Tube-2) and its approach road from Km 0+000 to Km 12+850 of total length 12.850 km on Sudhmahadev - Daranga section on NH-244 in the Union Territory of Jammu & Kashmir

Drawing Title
 UTILITY PLAN

Sheet - A2
 RCPL-TPF-1-BHC- 04-R2

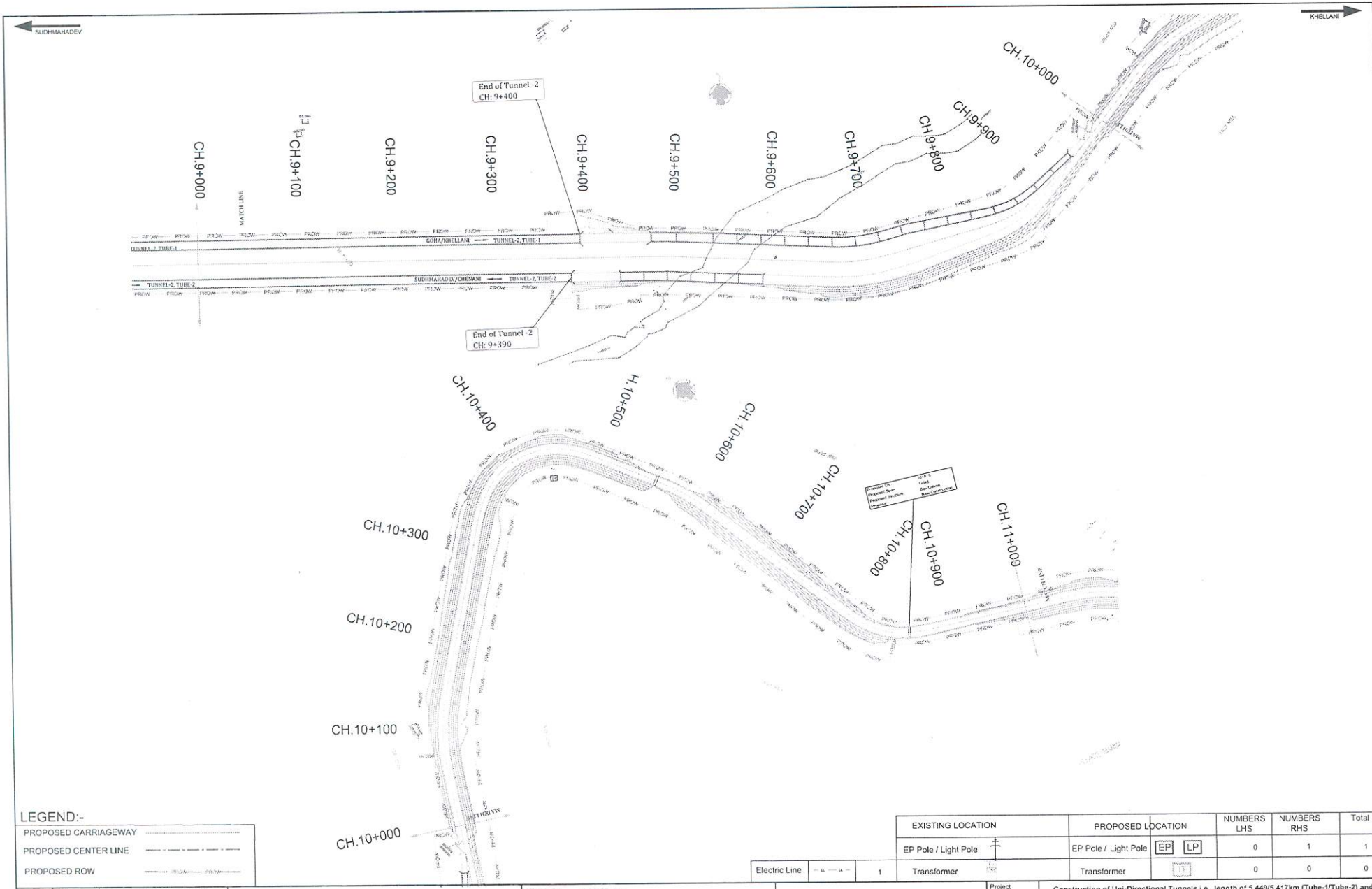


LEGEND:-

- PROPOSED CARRIAGEWAY -----
- PROPOSED CENTER LINE - - - - -
- PROPOSED ROW -----

EXISTING LOCATION		PROPOSED LOCATION		NUMBERS LHS	NUMBERS RHS	Total
EP Pole / Light Pole		EP Pole / Light Pole		0	0	0
Electric Line		Transformer		0	0	0

REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION	CLIENT	CONSULTANT	Project	Construction of Uni-Directional Tunnels i.e., length of 5.449/5.417km (Tube-1/Tube-2) and length of 2.642/5.33km (Tube-1/Tube-2) and its approach road from Km 0+000 to Km 12+850 of total length 12.850 km on Suddhmahadev - Daranga section on NH-244 in the Union Territory of Jammu & Kashmir
R2	MARCH-2022		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Griha Eurostudios S.L. In Association With RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YASICA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Drawing Title Sheet - A2	



LEGEND:-

- PROPOSED CARRIAGEWAY
- PROPOSED CENTER LINE
- PROPOSED ROW

EXISTING LOCATION	PROPOSED LOCATION	NUMBERS LHS	NUMBERS RHS	Total
EP Pole / Light Pole	EP Pole / Light Pole	0	1	1
Transformer	Transformer	0	0	0

REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION
R2	MARCH-2022	

CLIENT
NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
 (MINISTRY OF ROAD TRANSPORT & HIGHWAY)
 GOVERNMENT OF INDIA

CONSULTANT
TPF Greina Forestudios S.L.
 In Association with
RODIC CONSULTANTS PVT. LTD.
 1, JAI SINGH MARG (FIRST FLOOR),
 YAKA CULTURAL CENTRE BUILDING
 NEW DELHI - 110021 (INDIA)

Scale
 H=1:500

Project
 Construction of Uni-Directional Tunnels i.e., length of 5.449/5.417km (Tube-1/Tube-2) and length of 2.64/2.63km (Tube-1/Tube-2) and its approach road from Km 9+000 to Km 12+850 of total length 12.850 km on Sudhmahadev - Daranga section on NH-244 in the Union Territory of Jammu & Kashmir

Drawing Title
UTILITY PLAN

Sheet - A2
 RCPL-TPF-1-BHC- 06-R2

SUDHMAHADEV

KHELLAM



LEGEND:-

- PROPOSED CARRIAGEWAY
- PROPOSED CENTER LINE
- PROPOSED ROW

EXISTING LOCATION	PROPOSED LOCATION	NUMBERS LHS	NUMBERS RHS	Total
EP Pole / Light Pole	EP Pole / Light Pole	1	2	3
Transformer	Transformer	0	0	0

REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION	CLIENT
R2	MARCH-2022		

NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(MINISTRY OF ROAD TRANSPORT & HIGHWAY)
GOVERNMENT OF INDIA

CONSULTANT
TPF Geotaa Forestudies S.L.
IN Association with
ROBIC CONSULTANTS PVT. LTD.
1, JAI SINGH MARG (FIRST FLOOR),
YAKKA GUE TURAL CENTRE BUILDING,
NEW DELHI - 110001 (INDIA)

Designed	BD	Scale	H=1:500
Drawn	HL		
Checked	AD		
Approved	AT		

Project: Construction of Uni-Directional Tunnels i.e., length of 5.449/5.417km (Tube-1/Tube-2) and length of 2.64/2.63km (Tube-1/Tube-2) and its approach road from Km 0+000 to Km 12+850 of total length 12.850 km on Sudhmahadev - Daranga section on NH-244 in the Union Territory of Jammu & Kashmir

Drawing Title: UTILITY PLAN

Sheet - A2: RCPL-TPF-1-BHC- 07-R2

[Handwritten signature]