

इरकॉन इंटरनेशनल लिमिटेड



नवरत्न कंपनी

(भारत सरकार का उपक्रम)



IRCON INTERNATIONAL LIMITED

Navratna Company

(A Government of India Undertaking)

PROJECT OFFICE: House No. 1728/829C/42,
New LIC office road, Near Da. Ra. Bendre Park
Mruthyunjayanagar, RANEBENNUR - 581 115
Haveri District, Karnataka State
Email: dhhp.4023@ircon.org

SOUTHERN REGION OFFICE:
Flat No. B2/318, 3rd Floor, National Games Village
Thungabhadra Block, Koramangala,
Bengaluru - 560 047, Karnataka State
Email: ro.south@ircon.org

GSTIN:29AAACI0684H2ZH

No. IRCON/4023/IDHHL/GREC-O&M/83/ 830

Date: 29.01.2024

M/s G.R. Engineers and Contractors,
11 A/2, Pratap Nagar West, Maholi Road, Mathura,
Uttar Pradesh - 281001,
Ph. No. - 0565-2401846. E-mail: genggupid@gmail.com

LETTER OF ACCEPTANCE (LOA)

Dear Sir,

Sub: Periodic & Routine Maintenance and Engineering Improvement of Davanagere - Haveri Section of NH-48 (Old NH-4) for Project Highway between Km. 260+000 (New Km. 262+200) to Km. 338+923 (New Km. 341+123) in the state of Karnataka. - **Letter of Acceptance - Reg**

Ref: 1. NIT No. IRCON/DHHP/e-Tender/O&M Works/15 dated 11.12.2023
2. Online Technical Bids opened on 02.01.2024 from 15:00 Hrs
3. Online Financial Bids opened on 11.01.2024 from 15:30 Hrs

1. With reference to the above, IRCON INTERNATIONAL LIMITED is pleased to inform that your offer for the subject work has been accepted for an amount of **Rs. 6,34,99,436.12/- (Rupees Six Crore Thirty four Lakh Ninety nine Thousand Four Hundred Thirty six and Paise Twelve Only)** including GST @ 18% under the terms and conditions indicated in the tender document. Some of the key terms and conditions are indicated below for ready reference: -

S. No.	Particulars	Amount in Rs.
1.	Estimated Basic Cost of the Work	8,06,79,282.55
2.	Quoted Percentage Below Estimated Basic Cost @ 33.30%	2,68,66,201.09
3.	Basic Cost of Works as Quoted and Accepted	5,38,13,081.46
4.	GST @ 18%	96,86,354.66
5	Total Cost of Works including GST @ 18%	6,34,99,436.12

Detailed Bill of Quantities is enclosed as **Annexure - A.**

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[Signature]
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पंजीकृत कार्यालय: सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली - 110 017, भारत

Regd. Office: C-4, District Centre, Saket, New Delhi - 110017, India

Phone No. :-011-29565666, Fax No.:- 011-26522000

E-mail: info@ircon.org | Website: www.ircon.org | CIN: L45203DL1976GOI008171

2. The Earnest Money submitted in the form of BG bearing No. 51870IGL0007423 dated 27.12.2023 for Rs. 10,52,016/- (Rupees Ten Lakh Fifty Two Thousand and Sixteen Only), issued by the Union Bank of India, Mathura Cantt, valid up to 26.07.2024 shall be dealt with as per Clause 9.3.2 of Instructions to Tenderers.
3. Retention Money shall be recovered from on account/final bills of the Contractor @ 10% of gross value of each bill till the amount so recovered adds up to 5% of the Contract Value (including GST and all other duties & taxes & all variations but excluding price variation) of the work as per Clause 8.2 of correction slip no. 4 to the General Conditions of Contract (in Short – "GCC").
4. You are required to submit the Performance Security (PS) in the form of irrevocable Bank Guarantee (BG) from any scheduled bank on the Proforma as per Annexure-II of GCC in favour of IRCON INTERNATIONAL LIMITED for an amount of 5% (five percent) of contract value (including GST and all other duties & taxes) within 21 days from the date of issue of this letter of acceptance but before signing of the Contract Agreement as per Clause 8.1 of correction slip no. 4 to the GCC. As per the said clause, this B.G. shall be initially valid upto 60 days beyond the stipulated date of completion. In case, the time for completion of work get extended, the Contractor shall get the validity of B.G. extended to cover such extended time for completion of work plus 60 days.
5. You are also required to submit the additional Performance Guarantee of value equal to half the percentage of tender value by which the offer is lower than 10% in line with Clause 8.1 (vii) of correction slip no. 4 to the GCC since your offer is lower by more than 10% of the tender value.
6. The contract period for the awarded work is 02 (two) years effective from the first date of taking over process commenced as per Clause 10 of Special Conditions of Contract (in short – "SCC").
7. The scope of work shall be as per Clause 2.0 of SCC and Section IX of Tender Document.
8. The defect liability period for applicable part of the awarded work such as Road Marking, Kerb Painting, MBCBs, Chainlink Fencing, Sign Boards and any other permanent works shall be 12 (twelve) months from the latest date of completion as per Clause 16.0 of SCC.
9. Any damage / damages imposed by the NHAI / IE for the breach of maintenance obligations during operation and maintenance period, it shall be recovered from the Contractor as per Clause 15 of SCC.
10. The On Account Payments shall be made as per Clause 62 of GCC.
11. All the applicable Codes / Manuals / Circulars / Guidelines / Articles of Concession Agreement etc. referred to in the contract documents shall form the integral part of this contract and shall be binding on the Contractor, as indicated in Technical Specification of Section -IX and Appendix -1 of Tender Document.

[Signature]
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12. The Contractor shall not make any claim of whatever nature on account of increase or decrease in the scope of work covered in the contract. The variation in quantity shall be dealt with as indicated in Clause 19 of SCC r/w Clause 58 of GCC.
13. Until a formal agreement is prepared and executed, this letter together with the written acceptance hereof shall form a binding contract between M/s G.R. Engineers & Contractors and IRCON INTERNATIONAL LIMITED.
14. You are requested to furnish stamp paper of requisite value and attend this office within 28 days from the date of issue of letter of acceptance as per Clause 11 of SCC r/w Clause 12.5 of GCC.
15. You are required to contact Sri Hussain T M (Mob. No. 9004348348), Deputy Project Head, IRCON INTERNATIONAL LIMITED, DAVANAGERE HAVERI HIGHWAY PROJECT, House No. 1728/829C/42, New LIC office road, Near Da. Ra. Bendre Park, Mruthyunjanagar, RANEBENNUR -581 115, Haveri District, Karnataka State for further instructions.
16. Since the ongoing O&M work of the same stretch is being done by M/s G R Engineers only under a separate contract with the Ircon Davanagere Haveri Highway Ltd (SPV of IRCON INTERNATIONAL LTD, the employer for the subject work), the date of commencement for the subject work shall be reckoned as 01.02.2024 and no formal handing over / taking over is required to be done (as per Clause 10 of SCC). It is understood that the extended contract period under the contract with the Ircon Davanagere Haveri Highway Ltd is expiring on 31.01.2024.
17. The letter of acceptance is being sent in duplicate. One copy may please be signed, stamped and returned to this office within seven days' time as a token of unconditional & unequivocal acceptance of Letter Of Acceptance.

Thanking you,

Yours faithfully,

For & on behalf of
IRCON INTERNATIONAL LIMITED

Encl: Bill of Quantities


(H.D. Doddiah)
Chief General Manager/Civil
& Project Head

29/01/2024

Copy to:-

1. GM/C & Dy. PH, for information and further follow up action.
2. DM/Fin, for information
3. CEO/IDHHL & CFO/IDHHL for information please.

Bill of Quantities

NAME OF WORK:- Periodic & Routine Maintenance and Engineering Improvement of Davanagere – Haveri Section of NH-48 (Old NH-4) for Project Highway between Km. 260+000 (New Km. 262+200) to Km. 338+923 (New Km. 341+123) in the state of Karnataka

NH SQR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
			Schedule 1 : Earthen Shoulder & Embankment Slope Maintenance				
NON-SOR	3003	1.1	Maintenance of unpaved shoulders and slopes on both side of carriageway including the shoulders of service road if any. It includes removal of rank vegetation/ weeds, blading/grading at the required camber using motor grader, providing spot reconditioning, reconstruction and regravelling to repair specific erosion or other damages for restoring the eroded area to originally constructed cross-section on cut and fill slopes/ shoulders conforming to MoRTH specification technical clause 3002, 3003. The work also includes disposal of surplus material outside ROW and addition of selected side conforming to MoRTH technical specification no. 305 brought from borrow area located outside ROW. It includes cleaning of dust/dirt from existing MBCB/guard rails etc. with water and detergent within ROW. It also includes routine maintenance such as cleaning/strengthening of all types of road signs including gantries road studs and delineators etc. and also removal of unauthorized boards within ROW including transportation to nearest suitable location and as directed by the Engineer In-charge.	kilometer	240	13,650.00	32,76,000.00
NON-SOR		1.2	Removal of rank vegetation/weeds and undesirable vegetation from toe lines of embankment slopes to ROW complete in all respect including breaking of clods, rough dressing and disposal of waste material and vegetation at a place outside ROW From Toe of MCW to ROW/ Toe of Service Road to ROW (2 times in a year) and as per direction of Engineer In-charge	hectare	88	48,490.00	42,67,120.00
NON-SOR		1.3	Removal of rank vegetation/plant growth from joints of panels of reinforced earth wall, repeat process after 06 (six) months, including their disposal outside ROW as directed by the Engineer, including all tools and plants such as ladder, ropes, cutting tools, use of glacial liquid etc., as may be required for proper completion of work as directed by the Engineer.	sqm	10000	2.00	20,000.00
16.05	2504	1.4	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification	cum	78	2,840.00	2,21,520.00
16.04	2504	1.5	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications	cum	116	1,728.00	2,00,448.00
			TOTAL AMOUNT FOR SCHEDULE-01				79,85,088.00
			Schedule 2 : Road Maintenance				
NON-SOR		2.1	Carrying out proper cleaning, and removing of dust/ silt/ trash/ plastic/ rubbish/ garbage/ waste from the carriageway, footpaths, verges (excluding the verges of central median) by mechanical, brooms established with vehicle tracking system and manually if required and as directed by the Engineer In-charge. The payment will be made as per the report of vehicle tracking system indicating the location and kilometres travelled and number of passes on that stretch covering the full kilometer. The cleaning includes full width of both sides of carriageway and service road, if any. The payment will be deducted proportionately as per the report of VTS				
NON-SOR		(a)	Urban area (cleaning frequency quarterly) both Left and Right Main Carriageway	kilometer	180	4,160.00	7,48,800.00
NON-SOR		(b)	Rural area (cleaning frequency quarterly) both Left and Right Main Carriageway	kilometer	400	4,160.00	16,64,000.00

NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
NON-SOR		(c)	For service road portion including all structure locations, via duct i.e. VUP, PUP, LVUP, Flyover and any other locations as directed by Engineer In-charge (cleaning frequency two times a year)	kilometer	300	1,560.00	4,68,000.00
	202	2.2	Dismantling of flexible pavement and disposal of dismantled material up to a lead of 1000 m stacking servicable and unservicable material separately (Dismantled material to be transported mechanically)				
2.05 (i) A		(a)	Bituminous Course by Manual Means	cum	100.00	1,042.00	1,04,200.00
2.05 (i) B		(b)	Granular Course by Manual Means	cum	100.00	740.00	74,000.00
2.05 (ii) A		(c)	Bituminous Course by Mechanical Means	cum	100.00	496.00	49,600.00
2.05 (ii) B		(d)	Granular Course by Mechanical Means	cum	100.00	76.00	7,600.00
2.06	202	2.3	Dismantling of Cement Concrete Pavement by Mechanical Means - Dismantling of Cement Concrete Pavement using pneumatic tools, breaking two pieces not exceeding 0.02 Cum in volume and stockpiling at designated locations and disposal of dismantled materials upto a lead of 1000m, stacking servicable and unservicable material separately.	cum	30.00	756.00	22,680.00
NON-SOR		2.4	Dismantling of Bituminous Pavement by milling using suitable equipment upto 50 mm thick	sqm	1000.00	41.64	41,638.34
	512	2.5	Providing and Laying Slurry Seal consisting of a mixture of fine aggregate, portland cement filler, bituminous emulsion and water on a road surface including cleaning of surface, mixing of slurry seal in a suitable mobile plant, laying and compacting to provide even riding surface.				
5.12		(a)	2-3 mm thickness (Type I)	sqm	500	49.00	24,500.00
5.12		(b)	4-6 mm thickness (Type II)	sqm	500	80.00	40,000.00
5.12		(c)	6-8 mm thickness (Type III)	sqm	500	98.00	49,000.00
NON-SOR	3004 & 503	2.6	Filling potholes and patch repairs with open graded premix surfacing 20 mm thick. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the side and base of excavation as per MoRTH specification clause 503, backfilling the potholes with bituminous material as per MoRTH specification clause 511, compacting, trimming and finishing the surface to form a smooth continuous surface as per MoRTH specification clause 3004.2, including cost of all materials, labour, hire charges of machinery, load, lift, loading, unloading, stacking, transporting etc. all complete.	sqm	500	166.40	83,200.00
10.05	3004.2	2.7	Filling potholes and patch repairs with bituminous concrete, 40 mm - Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the side and base of excavation as per clause 503, backfilling the potholes with hot bituminous material as per clause 504, compacting, trimming and finishing the surface to form a smooth continuous surface all as per clause 3004.2 - Grading II 13mm (Nominal Size)	sqm	2,212.00	480.00	10,61,760.00
NON-SOR		2.8	Providing treatment and repair to potholes/ patch repair of all types of bitumen pavements complete as per technical specification clause 3004.2 and as per direction of Engineer				
NON-SOR		(a)	Carrying out patch repair with instant patch repair cold ready mix material up to 20 mm	sqm	200	421.20	84,240.00
NON-SOR		(b)	Carrying out patch repair with instant patch repair cold ready mix material up to 40 mm	sqm	200	1,106.30	2,21,260.00
NON-SOR	3004	2.9	Providing treatment to bleeding bituminous surface by uniform spreading of crusher dust/ other fine graded material @ 2.5 Kg per Sqm complete as per MoRTH Technical Specification Clause No. 3004.4 in all respect and as per direction of Engineer In-charge	sqm	120	260.00	31,200.00

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NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
NON-SOR	503 & 509	2.10	Providing localised repair to rutted portion of bituminous surface at scattered locations by applying tack coat as per Technical Specification Clause 503 and then filling the depression with bituminous concrete by using paving grade bitumen conforming to Technical Specification Clause no. 509, complete in all respect as directed by the Engineer.	cum	56	13,798.00	7,72,688.00
5.01 A (i)	502	2.11	Prime Coat over WMM/WBM- Providing and applying primer coat with SS1 bitumen emulsion complying IS-8887 on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.70 kg/sqm using mechanical means as per table - 500-3	sqm	380	76.00	28,880.00
5.02 (i) a	503	2.12	Tack Coat on Bituminous surfaces- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous surface cleaned with mechanical broom	sqm	750	12.40	9,300.00
5.04 (i) b	504	2.13	Providing and laying dense graded bituminous macadam with higher capacity batch type HMP using crushed aggregates as per table 500-7 of specified grading premixed with bituminous binder VG-40 paving bitumen as per clause 504.3.1 complying with IS-73-2013 of specified grading, premixed with bituminous binder @ 4.0 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause no. 505 complete in all respects. 75 - 100 mm compacted thickness	cum	20	10,241.00	2,04,820.00
5.04 (ii) b		2.14	Providing and laying dense graded bituminous macadam with higher capacity batch type HMP using crushed aggregates as per table 500-7 of specified grading premixed with bituminous binder VG-40 paving bitumen as per clause 504.3.1 complying with IS-73-2013 of specified grading, premixed with bituminous binder @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause no. 505 complete in all respects. 50 - 75 mm compacted thickness	cum	40	11,012.00	4,40,480.00
5.05 (ii) b	504	2.15	Providing and Laying Bituminous Concrete with high capacity hot mix plant using crust aggregate as per table 500-17 of specific gravity premixed with bituminous binder VG - 40 paving bitumen as per clause 504.3.1 complying with IS 73-2013 of specified grading, premixed with bitumen binder @ 5.4% of mix and filler @ 2% by weight of aggregate, transporting the hot mix to the work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smoothwheeld, vibratory and tandem roller to achieve the desired compaction as per MORTH specification clause no. 507 complete in all respects. (30-40 mm compacted thickness)	cum	50	12,765.00	6,38,250.00
3.16	305	2.16	Construction of embankment with material obtained from borrow pits - Construction of embankment with approved material obtained from borrow pits with all lifts and lead, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2	cum	1000	472.00	4,72,000.00
3.18	305	2.17	Construction of Subgrade and Earthen Shoulder - Construction of Subgrade and Earthen shoulder with approved material obtained from borrow pits with all leads and lifts, transporting to site, spreading, grading to required slope and compacted to meet requirement of table 300-2	cum	400	475.00	1,90,000.00
10.02	3003	2.18	Maintenance of Earthen Shoulder (filling with fresh soil) - Making up loss of material/irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment (average filling depth 150 mm)	sqm	16000	92.40	14,78,400.00

NH SOR Item No.	MORTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
4.01 b (iii)	401	2.19	Granular Subbase with coarse/graded material by mix in place method- Construction of granular sub-base by providing spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 - Grading III Material (Coarse Graded)	cum	40	2,272.00	90,880.00
4.14 (b)	406	2.20	Wet Mix Macadam (Plant Mix Method)- Laying Using Grader - Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layer with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	cum	40	2,440.00	97,600.00
			TOTAL AMOUNT FOR SCHEDULE-02				91,98,976.34
			Schedule 3 : Structures and Drainage Maintenance				
NON-SOR		3.1	Clearing road side/Median open lined/ pucca drains of all sizes to bring them to original shape, drainage capacity including disposal of sediments, extraneous debris & vegetation growth blocking the free flow from site outside ROW with all leads and lifts complete in all respects as directed by the Engineer in charge. (Frequency of cleaning in urban areas will be quarterly whereas in rural areas it will be twice in year i.e. before and after monsoon).				
NON-SOR		(a)	Cross Drain	Running metre	6000	37.70	2,26,200.00
NON-SOR		(b)	Main Drains	Running metre	96000	37.70	36,19,200.00
NON-SOR		3.2	Clearing, cleaning deepening and reshaping of road side unlined/ kuchha drain of all size and making shallow Kuchha lateral drain on shoulders wherever required including removal and disposal of sediments extraneous debris and vegetation growth blocking the free flow from site outside ROW with all lead and lifts complete in all respect as directed by the Engineer In-charge. (Frequency of cleaning will be twice in a year i.e. before and after monsoon.)	Running metre	30000	37.70	11,31,000.00
NON-SOR		3.3	Clearing slab/ box type culverts and pipe culverts including clearing, cleaning and reshaping of upstream and down stream faces of these culverts with in right of way. The job includes disposal of excess material recovered from site including vegetation outside ROW with all leads and lifts complete in all respect as per direction of Engineer-in-charge. (Frequency of cleaning will be one time in a year i.e. before start of monsoon).				
NON-SOR		(a)	Slab/Box Type Culverts	nos	70	2,600.00	1,82,000.00
NON-SOR		(b)	Pipe Type Culverts	nos	240	2,210.00	5,30,400.00
NON-SOR		3.4	Loading, unloading, transportation and disposal of surplus material leftover by accidental vehicle or otherwise laying on road on carriageway/ service road with all lead and lifts completed as directed by Engineer In-charge	cum	100	117.00	11,700.00
NON-SOR	304	3.5	Excavation in earth soil at all types sand, gravel and soft morum including removing the excavated material with all lifts & upto a distance of 50 mtr beyond construction area & stacking and spreading as directed, dewatering, preparing the bed, for the foundation and necessary back filling, ramming, watering including shoring with all lead, lifts, labour, spreading etc. complete.	cum	500	126.00	63,000.00
NON-SOR	1500, 1700 & 2200	3.6	Providing and Laying Plain/Reinforced cement concrete of specified mix as under with stone aggregates mechanically mixed and vibrated in foundation, sub-structure and superstructure including shuttering/ formwork conforming to MORTH specifications as per instructions of Engineer In-charge including cost of all materials, labour, hire charges of machinery, lead, lifts, loading, unloading, curing, finishing the exposed faces etc., complete.				
NON-SOR		(a)	PCC M15 using Concrete Mixer (40mm & Down Size)	cum	15	5,806.00	87,090.00

NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
NON-SOR		(b)	RCC M20 Using Concrete Mixer (20mm & Down Size)	cum	30	6,546.00	1,96,380.00
NON-SOR		(c)	RCC M25 using Concrete Mixer (20 mm & Down Size)	cum	25	7,243.00	1,81,075.00
NON-SOR		(d)	RCC M30 using Concrete Mixer (20 mm & Down Size)	cum	5	7,376.00	36,880.00
NON-SOR		(e)	RCC M35 using Concrete Mixer (20 mm & Down Size)	cum	5	7,628.00	38,140.00
NON-SOR	1600 & 2200	3.7	Providing & fixing in position Fe 500 TMT steel bar reinforcement of various diameters for RCC work as per detailed design, drawing and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required including cost of all materials, bar bending charges, labour, lifts etc. complete.	MT	2	85,000.00	1,70,000.00
NON-SOR	1300 & 2200	3.8	Plaster in cement sand mortar 1:3 composition with 12mm thickness on concrete surfaces as per drawings including cost of all material, labour, curing, scaffolding, transportation, loading, unloading, lead. Lift etc. complete	sqm	200	165.00	33,000.00
NON-SOR		3.9	Repair of localised failed areas of PQC/ Removal of defective concrete, cleaning the surface thoroughly, applying the shotcrete mixture mechanically with compressed air under pressure, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 Mpa and workmanship conforming to clause 2807.6.	sqm	300	494.00	1,48,200.00
14.21	2607	3.10	Strip Seal Expansion Joint- Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorized representative ensuring compliance to the manufacturers instructions for installations.	Running metre	56	14,163.00	7,93,128.00
NON-SOR		3.11	Repair of Expansion joint on bridge including repair of its approaches with high strength concrete (M-30 grade) after cleaning the surface with Air compressor & application of cement slurry of as per Technical specifications and morth Guidelines to provide smooth flow of traffic. & as per direction of Engineer	Running metre	70	2,122.00	1,48,540.00
NON-SOR		3.12	Carrying out proper cleaning of carriageways, footpaths, verges, expansion joints (for free movement), drainage spouts of bridge including removal and disposal of trash, plastic, vegetation etc. from site outside ROW complete as per direction of Engineer. (Frequency of cleaning will be two times in a year i.e. before and after the monsoon).	Running metre of Bridge	3200	51.00	1,63,200.00
			TOTAL AMOUNT FOR SCHEDULE-03				77,59,133.00
			Schedule 4 : Road Property Maintenance				
8.09	803	4.1	Painting on Steel Surfaces - Providing and applying two coats of ready mix paint of approved brand on steel surface after thorough cleaning of surface to give an even shade.	sqm	250	83.00	20,750.00
NON-SOR	803	4.2	Painting two coats after filling the surface with synthetic enamel paint in all shades on new/old concrete surfaces such as Kerb portion, crash barrier, parapet wall & other location etc. including cost of all materials, labour, loading, unloading, lead, lift, transporting etc., complete	sqm	9125	98.00	8,94,250.00
14.24	2600	4.3	Painting with synthetic enamel paint bridge no. and span arrangements - Painting two coats after filling the surface with synthetic enamel paint bridge nos and span arrangement as per as directed by Engineer.	nos	108	201.00	21,708.00

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NH SOR Item No.	MORTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
NON-SOR		4.4	Carrying out repair to road signs including strengthening resetting or otherwise repairing signs made out of Retro Reflective sheets. Job includes patch repair to aluminium sheet, R R Sheet, posts, signs / script and repainting of posts at damaged location / positions with approved quality of enamel paint complete in all respect conforming to respective IRC/MORTH Specifications and as directed by Engineer in-charge				
NON-SOR		(a)	Road sign Boards mounted on single post.	nos	50	829.00	41,450.00
NON-SOR		(b)	Road sign Boards mounted on double post.	nos	30	5,742.00	1,72,260.00
	801	4.5	Retro Reflectorized traffic signs Providing and fixing of retro- reflectorized cautionary, mandatory and Informatory sign as per IRC:67-2012 & Section 800 of MORTH specifications including lettering fixed over aluminium sheeting 2 mm or aluminium composite panel 4mm thick firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. The item includes earthwork excavation, Cement concrete M-15 grade, 2 coats of approved colour synthetic enamel painting to the steel surface with black and white paint to poles 30 cm alternate as per clauses, including curing, cost of all materials, labour, loading, unloading, lead, lift, transportation, etc., complete, reflectivity warranty as per MORTH (5th rev.)				
			Supported on a class B GI pipe 80mm outer dia, 3.5:mts height (min. effective height 1.90 mts) made of micro prismatic retro reflecting type XI sheeting as per table 6.9 of IRC-67-2012				
8.04 (B) iv		A)	60 cm equilateral triangle (Cautionary)	each	20	4,235.00	84,700.00
8.04 (B) i		B)	120 cm equilateral triangle (Cautionary)	each	20	6,950.00	1,39,000.00
8.04 (B) viii		C)	60 cm circular (Mandatory)	each	20	4,972.00	99,440.00
8.04 (B) xv		D)	90 cm high octagon (Mandatory)	each	20	7,222.00	1,44,440.00
8.04 (B) x		E)	80 cm x 60 cm rectangular (Informatory)	each	20	6,114.00	1,22,280.00
8.04 (B) xii		F)	60 cm x 45 cm rectangular (Informatory)	each	20	4,897.00	97,940.00
NON-SOR		G)	Chevron Board 75 cm x 60 cm rectangular	each	25	5,731.88	1,43,296.88
NON-SOR		H)	Rectangular Hazard Marker(90cmx30 cm)	each	150	3,870.00	5,80,500.00
8.05 (B)	801	I)	Direction and place Identification signs upto 0.9 sqm size board. Providing and erecting direction and place identification retro-reflectorized sign as per IRC:67-2012 fixed over aluminium sheeting, 2 mm or aluminium composite panel 4 mm thick with area not exceeding 0.9 sqm firmly fixed to the ground by means of properly designed foundation with M-15 grade, cement concrete 45x45x60 cm, 60cm below ground level as per approved drawing The item includes earthwork excavation, Cement Concrete M-15 grade, 2 coats of approved colour synthetic enamel painting to the steel surface, as per clauses, including curing, cost of all materials, labour, loading, unloading, lead, lift, transportation etc., complete. reflectivity warranty as per MORTH (5th rev.) Supported on class B GI pipe 80 mm outer dia, 3.5:mts long made of micro prismatic retro reflecting type XI sheeting as per table 6.9 of IRC-67-2012	sqm	50	9,651.00	4,82,550.00



NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
8.06	801	J)	Direction and Place Identification Signs with size more than 0.9 sqm size Board- Providing and erecting direction and place identification retro-reflectorized sign as per IRC :67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick or Aluminum composite material sheet with overall thickness of 4mm with area exceeding 0.9 sqm fixed over back support frame of min 40 x 40 x 5 mm Angle mounted on two nos. of mild steel circular pipe 65 NB, 3.2 mm thickness and 4.5 meter total height firmly fixed to the ground by means of properly designed foundation with M 25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.	sqm	50	10,561.00	5,28,050.00
	802	K)	Overhead Signs/Cantilever Providing and erecting overhead signs with a corrosion resistant 2 mm thick aluminium alloy sheet reflectorized with high intensity retro-reflective sheeting of encapsulated lense type with vertical and lateral clearance given in clause 802.2 and 802.3 and installed as per clause 802.7 over a designed support system of aluminium alloy or galvanized steel trestles and trusses of sections and type as per structural design requirements and approved plans & as per IRC:67				
8.07		(i)	i) Truss and Vertical Support	MT	6	87,836.00	5,27,016.00
8.07		(ii)	ii) Aluminium alloy plate for over head sign	sqm	12	5,898.00	70,776.00
NON-SOR	801	4.6	Providing and fixing retro-reflective stickers (Engineering grade) of size 10cm X 5cm on MBCBs and other structures as per MoRTH CI No. 801 and as per approval of Engineer in charge.	nos	4000	25.00	1,00,000.00
	804	4.7	Kilometer Stone Reinforced cement concrete M15 grade kilometer stone of standard design as per IRC:8, fixing in position including painting and printing etc				
8.14 (3)		(a)	200 metre stone (precast)	nos	288	827.00	2,38,176.00
8.14 (2)		(b)	Ordinary kilometer stone (precast)	nos	30	2,952.00	88,560.00
8.14 (1)		(c)	5th kilometer stone (precast)	nos	10	5,267.00	52,670.00
NON-SOR		4.8	Painting two coats on old surface after minor repairs to give an even smooth surface after printing letters and figures with 1st quality synthetic enamel paint of approved brand and manufacture complete in all respect conforming to respective IRC specification and as directed by Engineer in-charge				
NON-SOR		(a)	Hectometre stones	nos	288	175.00	50,400.00
NON-SOR		(b)	Kilometre stones	nos	50	459.00	22,950.00
NON-SOR		(c)	5th Kilometre stones	nos	15	980.00	14,700.00
8.16 (1)	806	4.9	Boundary Pillar Reinforced cement concrete M15 grade boundary pillars of standard design as per IRC:25-1967, fixed in position including finishing and lettering but excluding painting	each	500	778.00	3,89,000.00
8.13	803	4.10	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.	sqm	5000	635.00	31,75,000.00
	409	4.11	Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade on M-15 grade foundation 150 mm thick, foundation having 50 mm projection beyond kerb stone, kerb stone laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 409				
8.01 1		(a)	PCC M15 for Kerb base	Running metre	300	183.00	54,900.00
8.01 2		(b)	PCC M20 for Kerb Cast in Situ	Running metre	300	225.00	67,500.00

NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
		4.12	Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade on M-15 grade foundation 150 mm thick, kerb channel 300 mm wide, 50 mm thick in PCC M-20 grade, sloped towards the kerb, kerb stone with channel laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 409				
8.02 1		(a)	PCC M15 for Kerb base	Running metre	300	186.00	55,800.00
8.02 2		(b)	PCC M20 for Kerb Cast in Situ	Running metre	300	316.00	94,800.00
NON-SOR	804	4.13	Supplying, Fixing, Transportation and maintenance of LED Solar Blinker mounted on a steel poles to guide and warn various vehicle drivers of a forthcoming flyovers, crossover, underpass and other intersections and accident prone region. Manufactured using superior grade battery, solar panel and other components, clearly visible for enhancing road safety during fog, rain and other adverse weather condition, Performance standards of scope of work including maintenance and replacement of the same and as directed by the engineer-in-charge. The warranty of the product shall be minimum for 1 year	nos	5	17,831.00	89,155.00
8.15	806	4.14	Providing, supplying and installation of delineators (Roadway indicators, hazard markers, object markers, 80-100 cm high above ground level painted black and white in 15 cm wide strips fitted with 80x100 mm rectangular or 75 mm dia circular reflectorized panel at the top buried or pressed into the ground and conforming to IRC - 79 as per drawings including cost of all materials, labour, loading, unloading, lead, lift, transportation etc. complete	each	200	356.50	71,300.00
10.16 A	811	4.15	Replacement of "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ ground level, fixed on ISMC series channel vertical post, 150x75x5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/ road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section of 150x 75x5mm, 330mm long complete as per clause 811	Running metre	500	2,975.00	14,87,500.00
NON-SOR	810	4.16	Replacement of damaged single faced W-Beam Metal Crash Barrier made out of the following members. Job includes taking out old damaged member and neatly refixing the new member (with cement concrete foundation in M:20 for Post) complete in all respects as per MOST Clause 810 and as directed by Engineer in charge including Fasteners and fixing etc complete in all respect. The rates quoted shall account for the rebate for cost of salvage value for old				
NON-SOR		a)	Beam made out of cold rolled steel strip W profile of 3 MM thick having a minimum yield strength of 2400 kg/sqcm having width of 313 mm and depth of corrugation as 83 mm hot dip galvanised of zinc coating @ 550 gm/sqm	Running metre	700	650.00	4,55,000.00
NON-SOR		b)	Post consisting of cold rolled channel 150 x 75 x 5 mm having minimum yield strength of 2400 kg/sqcm. The total length of post shall be 1800 mm and minimum height of post above concrete foundation shall be 700 mm or as per existing post at site to match with the existing posts, hot dip galvanised of zinc coating @ 550 gm /Sqm. The post shall be fixed in M:15 grade of cement concrete in a pit of size 350 X 350 X 1150 mm as instructions of the Engineer.	nos	150	1,340.00	2,01,000.00
NON-SOR		c)	Spacer channels or brackets made out of CRP steel channel section 150 x 75 x 5 mm having an yield strength of 2400 kg/sqcm. The length of spacer channel shall be 330 mm and hot dip galvanised having zinc coating @ 550 gm/Sqm. The rate shall including fixing arrangements also.	nos	250	387.00	96,750.00
NON-SOR	808	4.17	Supply, fabrication and fixing chain link fencing including concreting with all contractor's materials, maintaining the line level to true alignment as per drawings and technical specifications.	Running metre	1500	1,680.00	25,20,000.00
NON-SOR	808	4.18	Repair of damaged chainlink fencing (CLF) by using required material, manpower, fabrication as per the instruction of the engineer and by removing damaged material. The rates quoted shall account for the rebate for cost of salvage value for old				

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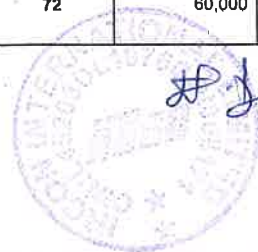
NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
NON-SOR		a)	Providing and fixing of missing/ damaged GI pipes of matching diameter by welding, fabrication etc. all complete	kilogram	3960	168.68	6,67,972.80
NON-SOR		b)	Providing and fixing of missing/ damaged MS Angle of matching size by welding, fabrication etc. all complete	kilogram	4026.17	183.73	7,39,727.60
NON-SOR		c)	Providing and fixing of missing/ damaged GI chainlink mesh of matching size by welding, fabrication etc. all complete	kilogram	2923.33	102.84	3,00,635.60
NON-SOR	804	4.19	Supply & Installation of 3M- Molded Shank Raised Pavement Markers/Road Stud made of Plastic body moulded from ASA (Acrylic styrene Acrylonitrile) or HIP (High impact polystyrene) or ABS material. The marker shall have compressive strength of 13635 kg tested accordance with ASTM D4280 and shall have Flexural Strength of 909 kgf. Reflective panels shall consist of number of lenses containing Single or dual prismatic cubes capable of providing total internal reflection of light entering the lens face. Lenses shall be moulded of Methyl Methacrylate confirming to ASTM D 788. The Slope or the retro-reflecting surface shall be 35 +/- 5 degree to the base and area of each retro reflecting surface shall not be less than 13Sqcm. When impacted in accordance with 9.4.1 of ASTM D4280, the face of the lens shall show no more than two radial cracks longer than 6.4 mm (0.25 in.). There shall be no radial cracks extending to the edge of the abrasion resistant area. There shall be no delamination. Height of the marker shall not exceed 20 mm and its width shall not exceed 130 mm. The base of the marker shall be flat within 1.3mm. Molded shank RPM shall have the shank strength of 600 kgf. Road Studs Shall be legibly marked with the name, trade mark or other means of identification of the manufacturer. Head of the stud shall be Smooth & shall not present any sharp edges to traffic. RPM shall be of Class A with optical performance (Coefficient of Luminous Intensity- CIL) shall not be less than that given in Table 800-13 of MoRTH specification (5th revision) for Bi-directional stud. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation. The contractor shall submit a Two year warranty for satisfactory field performance including stipulated retro reflectance of the reflecting panel and also a two year warranty for the satisfactory infield performance of the finished road marker	nos	2000	176.58	3,53,160.00
TOTAL AMOUNT FOR SCHEDULE-04							1,55,57,063.88
Schedule 5 : Horticultural Maintenance							
NON-SOR		5.1	Providing & Filling suitable soil in Median & Service Road Divider including all taxes, duties, royalties and including stacking & spreading as directed etc.complete	cum	200	187.92	37,584.42
NON-SOR		5.2	Maintenance of median and the existing plants in it(with a density of 666 plants per Km depending upon the width of the median) by basin makings , weeding hoeing, cleaning, levelling and dressing of median, uprooting and removal of weeds, cutting grass, disposal of all muck outside ROW regular to keep the median clean and plantation in healthy and good condition. The job also includes the cleaning and removal of spilled over earth from median to MCW in the portion adjacent to the kerbs all along the median besides cleaning of longitudinal and cross drains in the median . The operation of maintenance in addition to above will also cover and include the following activities.	kilometer	1026	10101.31	1,03,63,946.11
		a)	Watering of each plant as when required depending upon the climate conditions of the locality/ region/ seasons/ strictly as per direction of engineer in charge. The main requirement is to keep the plants/ shrubs in healthy, good and surviving condition. The casualty/ damage to any plant/shrubs/during the maintenance period will be the entire responsibility of the contractor and contractor shall replace the dead and damaged plants / shrubs at his own cost with new plants of the same species, varieties , age and size etc.				
		b)	Application of FYM or sludge @1/2 cuft or 10kg/plant two times a year during february/ march and october/ november plus 20 gms of NPK (12:32:16) or Bonemeal per plants two times a year as detailed above				
		c)	Application of insecticide/ pesticide/ fungicide etc for control of insects, pests and diseases as and when requires as per direction of engineer.				



NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
		d)	Training and pruning of all shrubs/ plants as and when required to give them required shape size and spread.				
		e)	Replacement of dead and damaged plants from the median by healthy and well developed plants of similar species, varieties, age, size etc., within 10 days of occurrence and casualty noticed/ reported or as directed by the engineer in case plant is not replaced as specified above a penalty of Rs. 1000/- per plant will be imposed.				
			Note: The quoted rates shall be adjusted as per actual density of plants per km, at site and the maintenance of newly planted plants shall be accounted for under this item				
11.04	307	5.3	Maintenance of Lawns or Turfing of Slopes (one year) - Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc	sqm	400	263.00	1,05,200.00
NON-SOR		5.4	Providing, planting healthy well developed saplings of ornamental/flowering shrubs of specified species and varieties 1-2 years of age in 25 cm - 30 cm polybags or pots, height and spread 0.6m - 0.9m above ground, with 3-4 branches, in well prepared pits of minimum 60 cm dia and minimum 60 cm deep refilled with good earth mixed with one third volume of organic, farm yard, manure/sludge and anti termite insecticide and water conserving polymergel. Development period for planting the new plants will be 2 months during which watering, weeding, hoeing, manuring, spraying of insecticides, fungicides, training and pruning, replacement of casualties, if any, will be carried out by the contractor. Density of plant per km = 666	Running metre	2000	76.05	1,52,100.00
11.09	307	5.5	Planting of Trees and their Maintenance for one Year - Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year	each	300	1,337.00	4,01,100.00
			TOTAL AMOUNT FOR SCHEDULE-05				1,10,59,930.53
			Schedule 6: Miscellaneous				
NON-SOR	202	6.1	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters.				
NON-SOR		(i)	By Manual Means - Prestressed / Reinforced cement concrete	cum	20	1,986.00	39,720.00
NON-SOR		(ii)	By Mechanical Means - Prestressed / Reinforced Cement Concrete	cum	20	996.00	19,920.00
NON-SOR		6.2	Providing Following equipments in running condition on hire basis including running and maintenance charges as per instructions of the Engineer including P.O.L. complete as per				
NON-SOR		(i)	Tipper 6 Cum. Capacity	hour	200	585.00	1,17,000.00
NON-SOR		(ii)	Tractor with trolley	hour	300	481.00	1,44,300.00
NON-SOR		(iii)	JCB	hour	600	910.00	5,46,000.00
NON-SOR		(iv)	Excavator	hour	50	1,469.00	73,450.00
		6.3	Providing and supply of Following manpower for misc. work as when required basis as per instruction of the Engineer. (including 5% HRA)				
L12		(i)	Mate/ Supervisor	day	60	495.83	29,749.80
L24		(ii)	Helper/Beldar/ Coolie	day	200	470.83	94,166.00
L15		(iii)	Skilled labour	day	300	495.83	1,48,749.00
8.49		(iv)	Flagman Positioning of a smart Flagman with a yellow vest and a yellow cap and red flag 600 x 600 mm securely fastened to a staff 1m in length for guiding the traffic	each	30	638.00	19,140.00

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NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
NON-SOR		6.4	Providing manpower for operation & maintenance of all system in the ATMS control room as per Clause - 7 of Technical Specifications	per month	24	1,73,800.00	41,71,200.00
10.17		6.5	Conducting Bump Integration test(BI) of Davanagere- Haveri Highway Project between ch. 262+200 to ch.341+123 as per standard engineering practice and relevant IS/IRC/BS code & practices and submission of report in hard covered bounded booklet form including all applicable taxes, labour, equipments, tools and tackle etc all comp.	kilometer	1728	897.00	15,50,016.00
	801	6.6	Printing new letters and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade, including cost of all material, labour, loading, unloading, lead, lift, transporting etc., complete (any language)				
NON-SOR		(a)	Hindi and Kannada	per cm height per letter	20000	3.00	60,000.00
NON-SOR		(b)	English and Roman	per cm height per letter	20000	1.35	27,000.00
NON-SOR		6.7	Submission of Monthly Progress Report on the works executed along with VTS report, colored photographs, including CD in 2 sets etc.	per month	24	1,170.00	28,080.00
NON-SOR		6.8	Providing, fixing and erecting octagonal GI poles as per the instructions of Engineer to match with the existing system in the project.				
NON-SOR		(a)	Octagonal GI Poles 9.5 m height	nos	30	12,240.00	3,67,200.00
NON-SOR		(b)	Octagonal GI Poles 8.5 m height	nos	32	11,040.00	3,53,280.00
NON-SOR		6.9	Providing and fixing single/double arm brackets on highway lighting poles for luminaires as per the instructions of Engineer to match with the existing system in the project.				
NON-SOR		(a)	Double Arm	nos	15	2,220.00	33,300.00
NON-SOR		(b)	Single Arm	nos	15	1,164.00	17,460.00
NON-SOR		6.10	Providing & fixing LED Luminaires for highway lighting works as per the instructions of Engineer to match with the existing system in the project.				
NON-SOR		(a)	LED Luminaires 250 W	nos	40	11,340.00	4,53,600.00
NON-SOR		(b)	LED Luminaires 180 W	nos	40	10,404.00	4,16,160.00
NON-SOR		6.11	Providing & Laying Aluminium armoured cable with glands/lugs/ferrules including the work of cable trench excavation, laying of cable, refilling & consolidation of trench & all complete job as per the direction of engineer.				
NON-SOR		(a)	16 Sq.mm Aluminium armoured cable (4 Core)	Running metre	100	175.00	17,500.00
NON-SOR		(b)	35 Sq.mm Aluminium armoured cable (4 Core)	Running metre	100	313.00	31,300.00
NON-SOR		6.12	Removing the dead animals laying on the highway and burying them at proper safe location outside ROW complete in all respect with all lead and lift and as per direction of the engineer	per month	24	11,700.00	2,80,800.00
			TOTAL AMOUNT FOR SCHEDULE-06				90,39,090.80
			Schedule 7: Incident Management Services				
NON-SOR		7.1	Operating Ambulance services on project highway including fuel, daily maintenance, provision of full time dedicated driver for 24 hours, Nursing staff (1 nos./vehicle), EMT staff (1nos/vehicle) as per direction of engineer in charge. Vehicle to be operated as per the site requirement and as directed by the Engineer in-charge.	nos	72	1,05,000	75,60,000.00
NON-SOR		7.2	Operation, running and maintaining of route patrol vehicle as per scope of work. Vehicle to be operated as per the site requirement and as directed by the Engineer in-charge.	nos	72	80,000	57,60,000.00
NON-SOR		7.3	Operation, running and maintaining of crane as per scope of work. Vehicle to be operated as per the site requirement and as directed by the Engineer in-charge.	nos	72	60,000	43,20,000.00



NH SOR Item No.	MoRTH Section No.	S. No.	Description of Items	UNIT	Quantity (for 2 years)	Rate (Rs.)	Amount (Rs.)
NON-SOR		7.4	Operation, running and maintenance of Hard roof AC Vehicle as per scope of work. Vehicle to be operated as per site requirement and as directed by Engineer In-charge.	nos	24	60,000	14,40,000.00
			TOTAL AMOUNT FOR SCHEDULE-07				1,90,80,000.00
			Schedule 8:				
			Execution of items not covered in any of the above schedules but essentially required to complete the contractual scope of work as per Instructions of Engineer to be executed as per relevant items in NH SOR-2022-23, Bengaluru Circle with quoted and accepted premium/discount.	SOR UNIT	As per actual qty.		10,00,000.00
			TOTAL AMOUNT FOR SCHEDULE-08				10,00,000.00
Estimated Basic Cost of Works							8,06,79,282.55
Percentage Below at 33.30%							2,68,66,201.09
Basic Cost of Works as Quoted and Accepted							5,38,13,081.46
GST @ 18%							96,86,354.66
Total Cost of Works Incl. GST @ 18%							6,34,99,436.12
(In Words: Rupees Six Crore Thirty Four Lakh Ninety Nine Thousand Four Hundred Thirty Six and Paise Twelve Only)							

(H.D. Doddalaiah)
Chief General Manager/Civil
& Project Head

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