

eProcurement System Government of India Created By: Deepak Kumar Created Date/Time: 25-Jan-2025 10:38 AM Tender Title: Short term restoration work damaged due to subsidence of road bench at Ch. 39.78 km to 39.98 km of NH-10 damaged due to heavy rain and erosion of river Teesta on 08.08.2024 under N.H. Division No.IX in the District of Kalimpong during the year 24-25. Tender ID: 2024_MoRTH_825857_1
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Tender Inviting Authority: Superintending Engineer, National Highway Circle No.III, P.W(Roads) Directorate, Government of West Bengal.

Name of Work: Short term restoration work damaged due to subsidence of road bench at Ch. 39.78 km to 39.98 km of NH-10 damaged due to heavy rain and erosion of river (Teesta) on 08.08.2024 under N.H. Division No.IX in the District of Kalimpong during the year 2024-25.

Contract No: WBPW_Rd/SE/NHC3/eNIB14/24-25

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	NIM DORJEE TAMANG (GSTN-19ADIPT3597Q1ZA) BID ID -3104605		MOHAN TAMANG (GSTN-NA) BID ID -3103988		L1 Amount	L1 Vendor
					Rate	Amount	Rate	Amount		
1.00	Bill of Quantities in Details									
1.01	Excavation in Hilly Area in Soil by Mechanical Means: Excavation in soil in hilly area by mechanical means including cutting and trimming of side slopes and disposal of excavated earth with all lifts and lead upto 1000 metres (Reference to MoRT&H's specification clause 301).	2196.00	cum		175.00	384300.00	172.00	377712.00	377712.00	MOHAN TAMANG
1.02	Excavation in Hilly Area in Ordinary Rock by Mechanical Means not Requiring Blasting. Excavation in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slopes and disposal of cut material with all lift and lead upto 1000 metres (Reference to MoRT&H's specification clause 301).	2184.00	cum		252.00	550368.00	251.88	550105.92	550105.92	MOHAN TAMANG
1.03	Excavation for Structure: Earthwork in excavation of foundation by manual means, depth upto 3m, of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material (Reference to MoRT&H's Specification Clause 304). Ordinary Soil - Manual Means (Depth upto 3m)	302.52	cum		182.00	55058.64	178.00	53848.56	53848.56	MOHAN TAMANG
1.04	PCC 1:3:6 in Foundation: Plain cement concrete 1:3:6 nominal mix in foundation with stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days (Reference to MORT&H's specification 2100).	5.61	cum		6000.00	33660.00	5994.63	33629.87	33629.87	MOHAN TAMANG

1.05	PCC M-15 Grade: Plain/Reinforced cement concrete in open foundation complete all including vibrating and compacting, finishing, curing, sampling, testing etc. as per drawing and Technical Specifications (Reference to MORT&H's specifications 1500, 1700 & 2200). Use NB Variety Stone Aggregates & Concrete Mixer Machine with Hopper	308.59	cum
1.06	PLUM CONCRETE (1:3:6): Plain cement concrete of nominal mix (1:3:6) with coarse aggregate of which stone boulder of size 225 mm to 150mm of 60% of total dry volume to be placed in position as directed by Eng-in charge, 67% - 40 mm down single & 33% - 20 mm down bazri, Coarse Sand, Cement (53 grade) mechanically mixed in 1:3:6 of rest volume and placed in position and compacted by any means as directed including cost of shuttering.	124.20	cum
1.07	Boulder Apron Laid in Wire Crates : Providing and laying of boulder apron laid in wire crates made with 4mm dia wire dia not less than 4mm GI wire conforming to IS: 280 & IS:4826 in 100mm x 100mm mesh Mesh size not more than 150mm (weaved diagonally) including 10 percent extra for laps and joints laid with stone boulders weighing not less than 40 kg each (Tensile strength 300-450mpa, size of wire crates 3.0mx1.50mx1.25 m) (Reference to MORT&H's specification 2503). With Fresh supply of Stone boulder of size above 225mm	819.00	cum
1.08	Back filling behind abutment, wing wall and return wall complete including sprinkling water and thoroughly compacted with plate compactor/power rammer in layers not exceeding 150mm compacted thickness as per drawing and Technical Specification (710.1.4 of IRC:78 & MoRTH's specification 2200) With Granular materials (RBM)	195.00	cum
1.09	R.C.C. Grade M-25: Plain/Reinforced cement concrete in open foundation complete all including vibrating and compacting, finishing, curing, sampling, testing etc. as per drawing and Technical Specifications (Reference to MORT&H's specifications 1500, 1700 & 2200). Use Concrete Mixer Machine and Pakur Variety stone chips	13.04	cum
1.10	HYSD Reinforcement: Supplying, binding, fixing etc. including initial straightening, cutting to requisite length, hooking and bending to correct shape, placing in proper position of uncoated HYSD reinforcement bar in sub-structure complete as per drawing and Technical Specifications (Reference to MORT&H's specifications 1600 & 2200).	1.56	MT

7271.00	2243757.89	7264.08	2241622.45
4149.00	515305.80	4145.86	514915.81
5526.00	4525794.00	5521.10	4521780.90
3207.00	625365.00	3203.85	624750.75
10387.00	135446.48	10377.25	135319.34
82192.00	128466.10	82111.25	128339.88

2241622.45	MOHAN TAMANG
514915.81	MOHAN TAMANG
4521780.90	MOHAN TAMANG
624750.75	MOHAN TAMANG
135319.34	MOHAN TAMANG
128339.88	MOHAN TAMANG

1.11	Epoxy bonding of new concrete to old concrete (crack/spalling shall be sealed with epoxy injection/grouting coating of epoxy resin @ 0.80 kg /sqm should be applied) (Reference to MORT&H's specification 2805).	176.90	sqm
1.12	Providing weep holes in brick masonry/plain/ reinforced concrete abutment, wing wall/return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing face. Complete as per drawing and technical specification (Reference to MORT&H'S Specification 2706 & 2200).	150.00	Nos.
1.13	Construction of granular sub-base by providing graded materials such as natural sand/crushed gravel/crushed stone/combination depending upon the required grading , spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator and compacting with vibratory roller to achieve at least 98% of the maximum dry density for the material determined as per IS:2720 (Part 8), complete as per clause 401 desired density, complete as per clause 401. By Mix in Place Method With North Bengal Variety Stone Aggregate for grading-III Material	60.00	cum
1.14	for grading-V Material	60.00	cum
1.15	Water Mix Macadam : Providing, laying, spreading and compacting graded stone aggregate conforming to the grading of Table 400-13 revised vide Table 2 of IRC :109 (2015) to Wet Mix Macadam specification including pre mixing the materials with water at OMC in Mechanical mix Plant carrying of mixed materials by tripper to site.Laying in uniform wet paver on sub base/base course on wel prepared surface and compacting with vibratory roller to achieve the desired density.The thickness of a single compacted layer shall not be less then 75 mm. (Reference to MORTH'S specification 406). With North Bengal Variety Stone Aggregate	.75	cum
1.16	Providing and applying primer coat with cationic bitumen emulsion SS1 grade conforming to IS:8887 on prepared porous granular surface including clearing of road surface and spraying primer using mechanical means (Reference to MORT&H's specification clause 502).	600.00	sqm

786.00	139043.40	785.85	139016.87
181.00	27150.00	181.35	27202.50
3035.00	182100.00	3032.58	181954.80
2980.00	178800.00	3012.43	180745.80
3449.00	2586.75	3445.65	2584.24
95.00	57000.00	92.00	55200.00

139016.87	MOHAN TAMANG
27150.00	NIM DORJEE TAMANG
181954.80	MOHAN TAMANG
178800.00	NIM DORJEE TAMANG
2584.24	MOHAN TAMANG
55200.00	MOHAN TAMANG

1.17	Providing and applying Tack Coat with Bitumen Emulsion RS1 grade using emulsion pressure distributor @ 0.25 kg per sqm on the prepared bituminous/ granular surface cleaned with mechanical broom (Reference to MoRT&H's Specification Clause 503). On Granular surface treated with primer surface. ii) on granular surface treated with primer @ 0.25Km /sqm	600.00	sqm
1.18	Bituminous Macadam: Providing and laying bituminous macadam with 40-60 TPH hot mix plant using crushed aggregates of specified grading premixed with approved bituminous binder, transported to site, laid over a previously prepared base with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction (Reference to MORT&H's specification clause 504). for Grading II (19 mm nominal size) Layer Thickness 50-75mm. use VG-30 Bitumen and Pakur Variety stone chips	30.00	cum
1.19	Providing and laying 25 mm thick mastic asphalt wearing course with approved grade bitumen meeting the requirements given in table 500-39, prepared by using mastic cooker and laid to required level and slope after cleaning the surface , including providing antiskid surface with bitumen precoated fined grained hard stone chipping of 13.2mm nominal size at the rate of 0.005 cum/10sqm and at an approximate spacing of 10 cm centre to centre in both directions, pressed into surface when the temperature of surface is not less than 100 degree centigrade, protruding 1mm to 4mm over mastic surface, all complete as per clause 516 (Ref. to MORT&H's specification clause 516 along with IRC :107) - Use VG-40 Bitumen	1200.00	sqm

22.00	13200.00	22.00	13200.00
11940.00	358200.00	11928.00	357840.00
917.00	1100400.00	916.83	1100196.00

13200.00	MOHAN TAMANG, NIM DORJEE TAMANG
357840.00	MOHAN TAMANG
1100196.00	MOHAN TAMANG

1.20	Road Markers/Road stud /Cats Eye: Supplying & fixing of Raised Pavement Markers/Road Studs/Cats Eye made of polycarbonate moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face which shall support a load of 13635 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MoR&TH Circular No. RW/NH/33023/10-97 - DO III Dt. 11.06.1997 & MoRT&H's specification for Road & Bridge Works (Fifth Rev.). Marker height shall not be less than 10 mm and shall not exceed 20 mm, width shall not exceed 130mm and with minimum reflective area of 13 sqcm on each side and slope to the base shall be 35 ± 5 degree. Fixing will be without nails but by using epoxy resin based adhesive as per manufacturer's recommendation including site clearance etc and complete as directed by the Engineer in Charge. The contractor will have to provide a test certificate from a reputable national/international laboratory conforming the above specifications.	44.00	Nos.
1.21	Median Marker: Made up of tough, impact resistant thermoplastic body, reflectorized on both side using approximate. 85 x 85 mm (for square shape or equivalent in case of round shape Fluorescent yellow prismatic sheeting (type-XI) reflective surface should be incline to approximate 20 degree to vertical to provide maximum reflective. Height & width of median marker shall be approximate by 110 mm complete with all fixing arrangements.	62.00	Nos.
1.22	Road marking with Hot applied thermoplastic compound with Reflectorising Glass Beads on Bituminous surface: Road marking with Hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms/m ² 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 (Ref. tp MORT&H's specification 803).	74.00	sqm

262.00	11528.00	255.00	11220.00
635.00	39370.00	634.73	39353.26
730.00	54020.00	740.00	54760.00

11220.00	MOHAN TAMANG
39353.26	MOHAN TAMANG
54020.00	NIM DORJEE TAMANG

1.23	Retro Reflectorised Traffic Signs: Providing and fixing of Retro-Reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5mm thick supported on a mild angle post 75mmx75mmx6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cmx45cmx60cm, 60cm below ground level as per approved drawing(Reference to MoRT&H's Specification 801). i) 60cm Equilateral Triangle	2.00	Nos.
1.24	ii) 60cm Circular	2.00	Nos.
1.25	Direction and Place Identification Signs with size more than 0.9 sqm size Board: Providing and erecting direction and place identification retroreflectorised sign as per IRC:67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing (Reference to MORT&H's specification 801).	11.16	Sqm

4482.00	8964.00	4480.00	8960.00
5950.00	11900.00	5944.25	11888.50
24920.00	278107.20	24895.00	277828.20

8960.00	MOHAN TAMANG
11888.50	MOHAN TAMANG
277828.20	MOHAN TAMANG

Total in Figures

11659891.26

11643975.65

Lowest Amount Quoted BY: MOHAN TAMANG (Rs.1,16,43,975.65)

Signature Not Verified

Digitally signed by DEEPAK KUMAR SINGH
Date: 2025.01.25 10:49:05 IST
Location: eProcure-EPROC

