

eProcurement System Government of India
Created By: Deepak Kumar
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Tender Title: Restoration work of damaged road bench at 3.50 Km of NH-10, damaged due to heavy rain from 26th to 28th September 2024 under N.H. Division No.IX in the district of Kalimpong during the year 2024-25.
Tender ID: 2024_MoRTH_830901_1

Tender Inviting Authority: Superintending Engineer, National Highway Circle No.III, P.W(Roads) Directorate, Government of West Bengal.

Name of Work: Restoration work of damaged road bench at 3.50 Km of NH-10, damaged due to heavy rain from 26th to 28th September 2024 under N.H. Division No.IX in the District of Kalimpong during the year 2024-25.

Contract No: WBPW_Rd/SE/NHC3/eNIB16/24-25

SCHEDULE OF WORK / ITEM(S)												
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimate d Rate	Sunrise enterprises (GSTN-19BGIPS6380N1ZF) BID ID - 3120981		M/S SUKDEO CHETTRI (GSTN-NA) BID ID -3121295					
					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).	786.75	cum	169.00	132960.75	177.65	139766.14
					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).	748.80	cum	251.00	187948.80	261.25	195624.00
					1.03	Excavation for hard rock (blasting prohibited): Excavation for road way in hard rock (blasting prohibited) with rock breakers including breaking rock, loading in tippers and disposal within all lifts and lead upto1000 metres, trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections (Reference to MoRT&H's specification clause 301). By Mechanised Method NOTE: i). The quality and availability of rock shall be checked before affording credit. ii). Credit is considered for 50 percent of quantity of work. iii). Being small quantity, manual loading will be economical in this case and has been provided accordingly. iv). In case some rock is issued to contractor at site, the item of carriage shall be omitted to the extent of quantity issued to the contractor.	374.40	cum	739.00	276681.60	773.30	289523.52
					1.04	PCC M-20 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	120.00	cum	7041.00	844920.00	7367.25	884070.00
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	123.31	cum	6475.00	798432.25	6771.60	835006.00					
1.06	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	670.00	cum	4538.00	3040460.00	4744.30	3178681.00					

L1 Amount	L1 Vendor
132960.75	Sunrise enterprises
187948.80	Sunrise enterprises
276681.60	Sunrise enterprises
844920.00	Sunrise enterprises
798432.25	Sunrise enterprises
3040460.00	Sunrise enterprises

1.07	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)	165.00	cum
1.08	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).	3.14	MT
1.09	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-V Material	84.00	cum
1.10	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	105.00	cum
1.11	Providing and applying primer coat with cationic bitumen emulsion SS1 grade conforming to IS:8887 @ 0.85kg/sqm on prepared porous granular surface including clearing of road surface and spraying primer using mechanical means (Reference to MORT&H's specification clause 502).	420.00	sqm
1.12	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	420.00	sqm
1.13	Repairing Pot-holes with Bituminous Macadam (Grading-II, for compacted thickness of upto 75mm) Filling Pot Holes with Bituminous Macadam using Mobile Hot Mix plant (6-10 TPH) with approved crushed aggregates of specified grading premixed with bituminous binder @3.4% by wt. of the total mix, transported to site and laid in the pot hole prepared before hand by cutting the edges to get a firm vertical face and by removing all the failed and loose materials including dust and applying tack coat evenly on the sides and on the surface as per specification, rolling the filled depression with 8-10 tonne smooth wheeled roller to achieve the desired compaction, including the cost and carriage of stone aggregates and bitumen, hire charges of machinery and equipment, cost of fuel and lubricants and wages of all operational staff, quality control except the cost of tack coat complete as per direction of Engineer-in-charge. Payment to be made on the basis of the loose net volume of the stone aggregates used in the work. (Use North Bengal variety stone aggts. and VG-30 Bitumen)	29.82	cum

3175.00	523875.00	3323.10	548311.50
81110.00	254685.40	84749.50	266113.43
1970.00	165480.00	2069.10	173804.40
2380.00	249900.00	2497.55	262242.75
106.00	44520.00	111.82	46964.40
22.00	9240.00	21.95	9219.00
7170.00	213809.40	7492.65	223430.82

523875.00	Sunrise enterprises
254685.40	Sunrise enterprises
165480.00	Sunrise enterprises
249900.00	Sunrise enterprises
44520.00	Sunrise enterprises
9219.00	M/S SUKDEO CHETTRI
213809.40	Sunrise enterprises

1.14	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 fine 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	420.00	sqm
1.15	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) 80cm x 60cm Rectangular	4.00	Nos.
1.16	Road Delineators: Supplying and installation of delineators (road way indicators, hazard markers, object markers), 80- 100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80 x 100 mm rectangular or 75 mm dia circular reflectorised panels at the top, buried or pressed into the ground and conforming to IRC-79 and the drawings (Reference to MORT&H's specification 806).	40.00	Each
1.17	Supply and Installation of Self drilling Hollow Soil / Rock Anchor of outer dia of 38 mm and inner dia of 19 mm, Yield Load Carrying Capacity of Minimum 400 KN in soil / overburden /rock suitable for drilling placing and cement grouting. Installation with all accessories such as 76 mm/100mm dia drill bit, couplers, 8mm thick base plate and nut and bolt complete in all respect.	912.00	RM
1.18	Cement pressure grouting through Hollow Soil/Solid Rock Anchor of outer dia 76/51/38/32/25 in Rock/overburden including all cost of material and equipments required to complete the grouting work at desired pressure.	1368.00	Bag

895.00	375900.00	940.50	395010.00
8073.00	32292.00	8433.15	33732.60
1030.00	41200.00	1081.58	43263.20
4265.00	3889680.00	4451.70	4059950.40
860.00	1176480.00	898.70	1229421.60

375900.00	Sunrise enterprises
32292.00	Sunrise enterprises
41200.00	Sunrise enterprises
3889680.00	Sunrise enterprises
1176480.00	Sunrise enterprises

Total in Figures

12258465.20

12814134.76

Lowest Amount Quoted BY: Sunrise Enterprises (Rs.1,22,58,465.20)