

REPORT

Name of Work: Restoration of Fulbari By Pass Road at different sinking zones near Goaltuli More, Siliguri (PART-A)

Due to increased traffic volume over Fulbari By pass, the existing road surface become damaged very badly and several sinking zones are development at chainage between 9.3 km to 12.0 km point of this road in every year which requires proper restoration of this road. The soil test has been conducted in these sinking zones by Jalpaiguri Govt. Engineering College and gives the suggestion to construct to construct either rigid pavement on supporting pier or flexible pavement on separate alignment as the bearing capacity of existing embankment is very low. Both the suggestion involve huge cost involvement and no feasible at present situation.

So to strengthen the above mentioned important road a stretches 75 metre of this road has been taken as experimental basis as per Highway consideration with layers of Geotextile, GSB (Grade I & II), WBM and surfacing with Stabilization coat. This estimate has been prepared following current P.W.D (Roads) schedule of rates and the total estimated cost stands Rs.7, 38,261.00

For this purpose this estimate has been framed

of Jankar

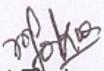
John

Restoration of Fulbari Bye Pass Road at Sinking Zones near Goaltuli More, Fulbari, Siliguri (PART-A)

SL	Item Description	Qty	Unit	Rate	Amount
1	Earth work in excavation of foundation trenches in all sorts of soil (including mixed soil but excluding stoney and morrum soil) including removing spreading or stacking the spoils within lead of 150 metres as directed and including trimming the sides of trench, leveling, dressing and ramming the bottom, bailing or pumping out water etc. as required complete depth of excavation exceeding 1 metre and not exceeding 2 metres	408.00	CUM	51.2	20889.60
2	Providing and laying boulder sausage work including labour for filling properly the empty sausage crates with supply of boulders of any size & shape,wire net of 4mm size of150mm x150 mm mesh with hand packing after preparation of bed of placement, placing the crate in position, Supply & carriage of boulders complete in all respect including stiching with wire the rest of sausage crate (passage for filling up boulder) after filling up the crate with boulders and launching the crate in position if necessary and as directed by Engineer-in-charge.	69.60	CUM	1534.2	106778.00
3	Costruction of Ganular Sub-base using approved quality coarse aggregates and sand, including screening aggregate, mixing the graded aggregates using rotavator as per mix design, adding water to achive the required OMC, spreading the mix in ubniform layer using Motor Grader over prepared surface in proper gradeand camber, compacting the layer to achieve the desired density, including lighting, grading, barricading, including cost of all materials, machinaries, tools and plant complete as per cost of quality control as per specification. Grade-I of Close Grading	68.60	CUM	666.6	45730.13
4	Costruction of Ganular Sub-base using approved quality coarse aggregates and sand, including screening aggregate, mixing the graded aggregates using rotavator as per mix design, adding water to achive the required OMC, spreading the mix in ubniform layer using Motor Grader over prepared surface in proper gradeand camber, compacting the layer to achieve the desired density, including lighting, grading, barricading, including cost of all materials, machinaries, tools and plant complete as per cost of quality control as per specification. Grade-II of Close Grading	181.65	CUM	693.3	125940.49
5	Supplying, testing and inatallation woven jute Geotextile for strengthening of subgrades, having maximum tensilestrength of 25 kn/m with a porometry range of 200 to 400 micron, duly secured to subgrade by u-shaped M.S. staples (11 gauge) at an interval of 750 mm or as per direction opf Engineer-in-charge. b) Using Treated Woven Jute Geotextile with approved rot-resistant additive	1200.00	sqm	53.90	64680.00
6	Cost of supply of coarse Sand at site	140.63	cum	480.00	67500.00

SL	Item Description	Qty	Unit	Rate	Amount
7	Spreading and consolidating stone metals of specific sizes in hard crust to requisite thickness (measured after compaction) in layers including screening the aggregates as necessary , hand packing after spreading in uniform thickness, rolling , with power roller in stages to proper grade and camber, spreading and sweeping requisite type and quantity of screening materials to fill up the interstices of coarse aggregates , applying binding materials as directed , watering etc . and lighting , gurdung , barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting , filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machinaries and as per specification and direction of Engineer - in - charge including cost of stone materials and screening (b) Coarse aggregates of size range 63 to 45 mm for 75 mm compacted thickness using 0.10 m3 of aggregates and 0.021 m3 of type B (11.2mm chips) stone screening materials.North Bengal Variety crusher broken stone metal & chips	525.00	sqm	159.65	83816.25
8	Spreading and consolidating stone metals of specific sizes in hard crust to requisite thickness (measured after compaction) in layers including screening the aggregates as necessary , hand packing after spreading in uniform thickness, rolling , with power roller in stages to proper grade and camber, spreading and sweeping requisite type and quantity of screening materials to fill up the interstices of coarse aggregates , applying binding materials as directed , watering etc . and lighting , gurdung , barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting , filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machinaries and as per specification and direction of Engineer - in - charge including cost of stone materials and screening (b) Coarse aggregates of size range 63 to 45 mm for 75 mm compacted thickness using 0.10 m3 of aggregates and 0.021 m3 of type B (11.2mm chips) stone screening materials.North Bengal Variety crusher broken stone metal & chips	525.00	sqm	174.76	91749.00

9	Surface dressing including through cleaning of the surface , screening and cleaning of stone chips, applying uniformly requisite quantity of hot matrix spreading uniformly dry stone , rolling with power roller with necessary hand packing or spreading of chips to obtain closed surface including cost and carriage of stone chips and matrix , and all other cost and charges in this connection . (A) 1st. coat on W.B.M surface using bitumen 18 Kg / 10 m2 and North Bengal Variety of Crusher broken stone chips 11.20 mm size @ 0.15 m3 per 10 m2	525.00	sqm	105.13	55193.25
10	Labour for spreading and consolidating stone metals of specific sizes in hard crust to requisite thickness (measured after compaction) in layers including screening the aggregates as necessary , hand packing after spreading in uniform thickness, rolling , with power roller in stages to proper grade and camber, spreading and sweeping requisite type and quantity of screening materials to fill up the interstices of coarse aggregates , applying binding materials as directed , watering etc . and lighting , gurdng , barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting , filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machinaries and as per specification and direction of Engineer - in - charge	105.00	sqm	14.90	1564.50
11 PWD SCH. Itno.13 pg.no. 30	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the site within 2 km in conformity with Municipal/ Corporation Rules for such disposal, loading into truck as per direction of engineer in charges.	367.50	cum	143.99	52916.33
TOTAL					716758.00


Assistant Engineer, SJDA


Executive Engineer, SJDA


Superintending Engineer, SJDA

Chief Executive Officer, SJDA

