

BHARAT SANCHAR NIGAM LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
O/o GMTD, BSNL BHAVAN, HASSAN-573201

Preliminary Estimate No. : BKA 494 6182

Name of the scheme / work : Laying of Fresh OFC and allied works by Open Trenching/HDD method for Hassan Block under NOFN Project (on behalf of BBNL) where existing fiber of BSNL is not available / lossy in Hassan TD.

Summary of Estimate for Hassan Block of Hassan District of Karnataka

KM : 63.5 kms (stp executed)

Measured Length for new GP 5.5Km

SUMMARY

Lossy Route(Measured length) 51 Kms

SUMMARY							
Sl No	Particulars	Amount (₹)	DE STP for Hassan Block with 40 GPs (RKM 63.5 Kms) NOFN PHASE-I	DE New additional GP Gadenahalli included (5.5 kms) NOFN PHASE-II	Total of 40 GPs of STP and 1 GP of SSA (NOFN PHASE I & II)	LOSSY ROUTE (51 Kms)	Final Total of NOFN PHASE-I, II & LOSSY ROUTE
1	Cost of PLB pipes and accessories	3,603,665.00		432901	4,036,566.00	4080368	8,116,934.00
2	Cost of Cable, Eqpt and accessories	4,245,400.00		317779.802	4,563,179.80	2986777.17	7,549,956.97
3	Labour charges	11,682,980.00		1731700.4	13,414,680.40	18309485	31,724,165.40
4	Motor Vehicle	240,000.00		0	240,000.00	0	240,000.00
5	Local Purchase	458,337.00		18890.4	477,227.40	13770	490,997.40
6	Restoration charges	-		0	-	0	-
7	Transportation & handling charges	3,338,013.03		412709.81	3,750,722.84	4189416.08	7,940,138.87
8	Centage	2,356,839.50		291398.14	2,648,237.64	2957981.62	5,606,219.26
9	Service Tax	291,305.36		43709.72124	335,015.08	532436.6916	867,451.78
	Total	26,216,539.90		3,249,089.28	29,465,629.17	33070234.51	62,535,863.68
	SAY(₹)	26,217,000.00			29,466,000.00	33,070,000.00	62,536,000.00

Total of Preliminary Estimate for lossy routes for Hassan Block (Hassan SSA) : Rs.3,30,70,000 (Rupees Three Crores Thirti Lakhs Seventy Thousand only.)

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SPECIFICATION AND JUSTIFICATION

This detailed estimate has been prepared for laying of Fresh OFC by open Trenching/HDD method for Hassan Block under NOFN project(on behalf of BBNL) where existing fiber of BSNL is not available/lossy in Hassan TD. This estimate is part of NOFN project of BBNL.

Preliminary estimate prepared as per Letter No.AGM/TP/Survey-NOFN/2017-18/VOL-51 dtd@BG the 27.04.2017

Provisions Made: Provision is made for purchase and laying of **54.040 Km's 24 F OF Cable**, **51.0 Km's PLB pipe**, and other accessories. provision is made for laying of plb pipe by HC method for major road crosses and where trenching is not possible to avoid RCC road/BT road cutting, damages of water pipe lines available in village panchayat, and trenching. Provision of DWC pipe (75/63mm mm) has been made in this estimate due to drainages, culverts etc, and trenching, labour and local purchase etc. for Hassan Block of Hassan Revenue District in Hassan SSA (Total incremental route Kilometer of 51 Kms)

The Estimate is prepared as per the approved survey report submitted from field for lossy routes in continuity with the BBNL inc. cable laid. The work will be carried out through approved contractor vide e-Tender NIT No.W-5/NOFN-HSN/LOSSY-SEC/e-Tendering/2016-17/16 dtd @ Hassan the 20.01.2017. Quantities shown in estimate may likely to change. Sufficient provision made as per the survey reports for lossy routes and no constructional difficulties are anticipated in execution of this work.

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Block

Hassan

District

Hassan

State

Karnataka

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Cable Laying details for the Proposed Incremental Route

RATA

Sl No	Panchayat Name	Measured Length (in Meters)	No. of joints (Route joints & Exch. Joint)	No. of cascade Splitters (2:4)	Extra length for joint (20 Meters per joint)	Extra length for leading in	Shrinkage @ 2% of OF cable Length	Extra OF Cable for Mtce Purpose (2%)	Total Cable Length	Type of soil and length	Estimated HDD length (in meters)	Road Crossings length	Bridge/ Malai/ Culverts crossings length (mts)	Trench length
										Kachic ha	Pacca	Rocky		

LOSSY SECTION

1	Bhuvanahalli bypass BJC -Shantigramma GP	10000	8	Nil	160	20	200	200	10580		9250	750	350	350	500	9650
2	Shantigramma GP-Madenur GP	4000	5	Nil	100	20	80	80	4280		3750	250	150	150	300	3850
3	Hanumanthapura GP(BJC)-Gorur GP	21000	14	Nil	280	20	420	420	22140		20000	1000	750	750	1000	20250
4	Dudda OLT-Koravangala GP(BJC)	6000	6	Nil	120	20	120	120	6380		5500	500	200	200	300	5800
5	Bageshpura TE-Basavaghatta GP BJC	4000	5	Nil	100	20	80	80	4280		3800	200	100	100	100	3900
6	Tejur GP BJC-MCF Exchange	6000	6	Nil	120	20	120	120	6380		5500	500	200	200	150	5800
		51000	44		880	120	1020	1020	54040		47800	3200	1750	1750	2350	49250

DOM REQ

Sl No	Panchayat Name	24 F OF Cable	FDF Rack	Fixed Attenuators	Joint Closure	In-Line Splitter cum Joint Closer	Spare cable chamber	PLB Pipe with rope	GI Pipes (63/50m)	RCC Pipes	Full N-Split Nos	Flexible PVC Pipes 1"	Route Indicator	RFID Route Indicator at FPOI
					SJC									

LOSSY SECTION

1	Bhuvanahalli bypass BJC -Shantigramma GP	10580	0		9	0	7	10000	500	350	50	20	53	2
2	Shantigramma GP-Aaldahally Gate	4280	0		6	0	4	4000	300	150	20	20	21	2
3	Hanumanthapura GP(BJC)-Gorur GP	22140	0		15	0	13	21000	1000	750	70	20	111	2
4	Dudda OLT-Koravangala GP(BJC)	6380	0		7	0	5	6000	300	200	20	20	32	2
5	Bageshpura TE-Basavaghatta GP BJC	4280	0		6	0	4	4000	100	100	20	20	21	2
6	Tejur GP BJC-MCF Exchange	6380	0		7	0	5	6000	150	200	20	20	32	2
		54040	0		50	0	38	51000	2350	1750	200	120	270	12

Block Hassan District Hassan State Karnataka

State Karnataka

