

ANNEXURE - I

SANCTION OF ROAD WORKS UNDER RIDF - X

TRIBAL WELFARE ENGINEERING DEPARTMENT

(Rupees in Lakhs)

Sl No	Name of the Project	District	LENGTH IN KM	RIDF LOAN *				Govt. Cont.**	TOTAL COST (8+9)
				2004-05	2005-06	2006-07	Total (5+6+7)		
1	2	3	4	5	6	7	8	9	10
UTNOOR DIVISION									
1	Providing BT R/f Wankidi to Dhabha (0/3 to 3/0, 3/2 to 7/4)	Adilabad	6.90	30.28	45.43		75.71	21.29	97.00
2	Providing BT R/f Mallampet to Nakkalapally (0/0 to 3/0)	Adilabad	3.00	9.29	13.93		23.22	7.78	31.00
3	Providing BT R/f PWD road to Jamini to Kakarbhodi via Powerguda (0/0 to 0/5, 0/750 to 4/4, 4/7 to 7/1)	Adilabad	6.55	25.20	37.79		62.99	18.01	81.00
4	Providing BT R/f PWD Road Powerguda to Amrutharaoguda (via) Devudupally (0/0 to 7/6)	Adilabad	7.60	30.42	45.64		76.06	21.44	97.50
5	Metalling and BT R/f Wadjari thanda to Thanur Mandal (0/0 to 5/0)	Adilabad	5.00	16.64	24.97		41.61	12.39	54.00
6	Metalling and BT R/f PWD road Burugupally to Medipally (0/0 to 8/0)	Adilabad	8.00	25.20	37.79		62.99	18.01	81.00
7	BT R/F Pippaldhari to Chichdhari - Khanapur (via) Dhahiguda, Molalgutta, Khandala, Sevadasnagar, Chichdhari (1/2 to 4/3, 6/8 to 11/2)	Adilabad	7.50	42.18	63.28		105.46	28.54	134.00
8	BT R/F NH-7 to Boregoan (0/0 to 4/0)	Adilabad	4.00	16.62	24.94		41.56	12.44	54.00
9	Providing BT R/f Alliguda PWD road to Chorpally (0/0 to 2/4, 2/8 to 3/250, 3/5 to 12/0)	Adilabad	11.35	45.78	68.66		114.44	32.06	146.50
10	Providing BT R/f Shampur to Thandra (via) Rajanguda, Mathurathanda (0/0 to 4/3)	Adilabad	4.30	13.09	19.63		32.72	10.28	43.00
11	BT R/f Ankoda village to Peddabanda (0/0 to 4/0)	Adilabad	4.00	14.38	21.56		35.94	10.56	46.50
			68.20	269.08	403.62		672.70	192.80	865.50

BHADRACHALAM DIVISION									
12	Providing BT R/f PWD road to Mamidigundala (0/0 to 10/0)	Khammam	10.00	43.22	64.84		108.06	29.94	138.00
13	Providing BT Road from R.Kothagudem to Kurnapalli (0/0 to 12/0)	Khammam	12.00	55.92	83.87		139.79	38.21	178.00
14	Providing BT R/f R&B Road Bhudevipeta to Chagarapally via Cheruvugollagudem (0/0 to 4/870)	Khammam	4.87	17.26	25.88		43.14	12.86	56.00
15	Providing BT R/f Asupaka to Guntimadugu (0/0 to 3/8)	Khammam	3.80	16.00	24.00		40.00	12.00	52.00
16	Providing BT R/f Capten Banjar stage to Kamepalli (0/0 to 7/0)	Khammam	7.00	24.86	37.28		62.14	17.86	80.00
17	Providing BT R/f Sarvaram to Station Bethampudi (0/0 to 4/4)	Khammam	4.40	21.09	31.64		52.73	15.27	68.00
18	Providing B.T. R/f Cherlapalli to Balajithanda (Balajipet) (0/0 to 5/0)	Khammam	5.00	18.53	27.79		46.32	13.68	60.00
19	Providing BT R/f Bodu to Koppurai (0/0 to 3/0)	Khammam	3.00	11.64	17.46		29.10	9.15	38.25
			50.07	208.52	312.76		521.28	148.97	670.25

SRISAILAM DIVISION									
20	PWD road to Mutukuru Chenchu colony of Durgi (M) (0/0 to 2/0)	Guntur	2.00	10.64	15.96		26.60	7.70	34.30
21	PWD road to Dwarakapuri Chenchu Colony (2/0 to 5/0)	Guntur	3.00	15.46	23.20		38.66	10.84	49.50
									0.00
22	Providing BT R/f Mulachintapalli to Mukkidigundum (0/0 to 5/0)	Mahabubnagar	5.00	16.29	24.43		40.72	11.78	52.50
23	Providing BT R/f PWD Road to Rampur Thanda (0/0 to 1/0)	Rangareddy	1.00	3.16	4.74		7.90	2.35	10.25
24	PWD Road to Gattepalli Thanda (0/0 to 2/0)	Rangareddy	2.00	6.26	9.40		15.66	4.84	20.50
25	Providing BT R/f PWD Road to Dornal thanda (0/0 to 1/0)	Rangareddy	1.00	3.18	4.76		7.94	2.56	10.50
26	Providing BT R/f PWD Road to Chintakunta thanda (0/0 to 6/0)	Rangareddy	6.00	22.97	34.45		57.42	16.58	74.00
27	Providing BT R/f Mylaram thanda to Kotha thanda (0/0 to 4/0)	Rangareddy	4.00	18.38	27.57		45.95	13.55	59.50
			24.00	96.34	144.51		240.85	70.20	311.05

VISAKHAPATNAM DIVISION									
28	Providing BT to the road from PL R&B Road to Tajangi via Vanjari (7/3 to 22/2)	Visakhapatnam	14.90	54.95	82.43		137.38	37.62	175.00
29	Providing BT to the road from Gatevalasa to Thotavalasa via Konapuram (0/0 to 12/0)	Visakhapatnam	12.00	49.10	73.64		122.74	33.76	156.50
30	Providing BT to the road from Edulapalem to Madugula via Devapuram (0/0 to 15/0)	Visakhapatnam	15.00	54.63	81.95		136.58	37.42	174.00
			41.90	158.68	238.02		396.70	108.80	505.50
ETURNAGARAM DIVISION									
31	BT R/f Govindapur to Kondapur (0/6 to 2/0)	Warangal	1.40	5.71	8.57		14.28	5.72	20.00
32	Providing BT surface R/f Sarvapur to Ankannagudem. (0/0 to 5/0)	Warangal	5.00	42.71	64.07		106.78	29.22	136.00
33	Providing BT to the R/f NH 202 at Chinnaboinapally to Dodla (0/0 to 11/7)	Warangal	11.70	63.82	95.72		159.54	43.46	203.00
34	BT surface R/f Medapalli to Dabeerpet. (0/0 to 5/450)	Warangal	5.45	23.35	35.02		58.37	16.63	75.00
35	Providing Metalling & BT R/f PWD Road to Ootla Matwada (0/0 to 7/830, 0/0 to 0/750 Ootla side)	Warangal	8.58	33.08	49.62		82.70	23.30	106.00
			32.13	168.67	253.00		421.67	118.33	540.00

K.R.PURAM DIVISION									
36	B.K. Road to Koya Rajahmundry (0/0 to 4/0)	West Godavari	4.00	17.27	25.90		43.17	12.33	55.50
37	R/F Doramamidi to Aliveru (0/0 to 6/3)	West Godavari	6.30	33.41	50.11		83.52	23.48	107.00
38	ReddyGanapavaram to Vadapalli Colony (0/0 to 4/1)	West Godavari	4.10	26.44	39.67		66.11	18.89	85.00
39	Jeelugumilli to Sirivarigudem (0/0 to 2/5)	West Godavari	2.50	11.66	17.50		29.16	8.84	38.00
40	Ramannapalem to Vankavarigudem (0/0 to 2/0)	West Godavari	2.00	9.34	14.02		23.36	7.64	31.00
41	R/f Madakamvarigudem to Barrinkalapadu (3/2 to 9/0)	West Godavari	5.80	21.66	32.48		54.14	15.86	70.00
			24.70	119.78	179.68		299.46	87.04	386.50

RAMPACHODAVARAM DIVISION									
42	Providing B.T. Surface to the R/f A.M. Kota to Gurthedu via Daragedda (5/0 to 24/5 + 300m link road to Bodlanka)	East Godavari	19.80	86.61	129.91		216.52	58.48	275.00
43	Providing BT surface to the road from Maredumilli to Chintalapudi via PM Kota (0/0 to 15/2)	East Godavari	15.20	91.99	137.98		229.97	62.03	292.00
44	Providing BT surface to R/f Sarabhavaram to Taduvai via Bowruvaka. (0/0 to 12/0)	East Godavari	12.00	52.45	78.67		131.12	35.88	167.00
			47.00	231.05	346.56		577.61	156.39	734.00
SEETHAMPET DIVISION									
45	Providing BT R/f NH-5 to M.M.Road via Pattulogam, Kondalogam, Dalkai, Kusumala, Gandrugam. (0/0 to 11/0)	Srikakulam	11.00	59.10	88.65		147.75	40.75	188.50
			11.00	59.10	88.65		147.75	40.75	188.50
	Total		299.00	1311.22	1966.80		3278.02	923.28	4201.30

* If the State Government is able to execute the projects ahead of physical target/phasing period, funds will be released on the basis of actual works.

** The State Govt. contribution of Rs.923.28 lakhs includes ineligible cost. Of Rs.103.77 Lakhs

ANNEXURE - II

RURAL ROAD AND BRIDGE PROJECTS - RIDF - X IN ANDHRA PRADESH SPECIAL TERMS AND CONDITIONS

1. Land Acquisition

Land acquisition formalities, if any, should be completed as early as possible. The State Government shall indicate their plan of action in this regard.

2. Environmental Clearance

The State Government shall confirm that the conditions laid down by Ministry of Environment and Forest, GOI, has been satisfactorily complied with.

3. Design Criteria

The project should be executed as per the IRC/MOST standards regarding geometric design, pavement design as also the quality of materials to be used to serve the design life period. A certificate to this effect from the competent authority should be furnished at the time of

drawal.

4. Construction Safeguards

The construction of roads should have adequate safeguards against floods, heavy rains, etc. These may include:

- a) Proper alignment avoiding low-lying area;
- b) Proper drainage / crossing / cross drainage works.

5. Project Monitoring

The Project Implementing Authority will undertake desk / field monitoring and quality control tests as per the internal instructions / manual of Implementing Department. The reports of the inspecting officer / quality control tests and compliance thereto shall be retained on record by the Project Implementing Division. These reports shall be made available to NABARD whenever required. The quality control of the projects shall be entrusted to an external agency having necessary qualified personnel and testing facilities in the case of road projects to be implemented by the Block Panchayats.

6. Quality Control

- a. The State Govt shall ensure that adequate technical personnel and well equipped laboratory system are available for effective quality control.
- b. Periodical tests on material, concrete and finished works shall be carried out as per IRC/MOST and BIS standards. Some important items are given as under
 - I. Earth compaction requirement of embankment and sub grade soil shall be as below:

Sl No.	Type of work / material	Field dry density as percentage of maximum laboratory dry density as per IS:2720 (Part-7)	Frequency of test as per IS:2720-Pt 28/29
1	Sub grade (top 500 mm below pavements) and shoulder	Not less than 100	One test per 500 m ²
2	Embankment (body below 500 mm from sub grade top)	Not less than 95	One test per 1000 m ²
3	For highly expansive clay	85 to 90	--do-

- II. Physical requirements of coarse aggregates for WBM Sub Case / Base courses shall be as below:

Test	Test Method	Requirements	Frequency of test
Los-Angeles Abrasion	IS : 2386-Part 4	50 (Max.)	One test for

test or Aggregate Impact test	--do--		every 200 m3 or part thereof
Flakiness and Elongation Index	IS:2386-Pat 1	25(Max.)	--do

- III. The fine and coarse aggregates for concrete shall comply with the specification stipulated in I.S. 383-1970 and I.S.2386 (Part-I) - 1963. The strength of the concrete shall comply with the specifications and tests prescribed in I.S.516:1959.
- IV. Fixing up formwork, manufacture and placement, compaction, curing etc have to be strictly adhered to as indicated in the guidelines furnished in I.S. : 516 in case of bridges.
- V. The quality testing of the materials as well as the frequency shall be as indicated in the following table;

Sl. No	Material	Test	Test Method	Minimum Desirable Frequencies
1	Cement	Physical & chemical tests	IS:269/445/1489 8112	Once for each source of supply and occasionally when called for in case of long and / or improper storage.
2	Coarse and fine aggregates	i) Gradation	IS:2386 (Pt.I)	One test for 15 cu. M. of each fraction of course aggregate and fine aggregate
		ii) Deleterious constituents	IS:2386 (Pt.II)	--do--
		iii) Moisture content	IS:2386 (Pt.III)	Regularly as required subject to a minimum of one test / day for coarse and two tests / day for fine aggregate
		iv) Bulking of fine aggregates (for column batching)	--do--	Once for each source for deriving moisture content bulking relationship
3	Coarse aggregate	i) Los Angeles Abrasion value / Aggregate Impact Test	IS:2386 (Pt.IV)	Once for each source of supply and subsequently when warranted by changes in the quality of aggregates
		ii) Soundness	IS:2386 (Pt.V)	As required

		iii) Alkali Aggregate reactivity	IS:2386 (Pt.VII)	--do--
4	Water	Chemical tests	IS : 456	Once for approval of source of supply, subsequently only in case of doubt

The test certificate of manufactured materials from the sources from where these are procured shall be obtained and preserved properly.

Details of the quality tests, frequency, the method of rectifying the defects, etc are contained in IRC SP-11 "Hand book of Quality Control for construction of Roads and Runways". The same shall be followed.

The results of all quality control tests and observations shall be systematically recorded and carefully preserved.