

2200.8.

No. RM-21 (3)/75

Dated the 4th May, 1978

To

The Secretaries dealing with roads in the States of Andhra Pradesh/Assam/Bihar/Gujarat/Haryana/Himachal Pradesh/Jammu & Kashmir/Karnataka/Kerala/Madhya Pradesh/Maharashtra/Manipur/Meghalaya/Nagaland/Orissa/Punjab/Rajasthan/Tamil Nadu/Uttar Pradesh/West Bengal and C.P.W.D.

Subject : Calculation of hire charges for Central machinery allotted to states and procedure for accounting for the same

I am directed to say that at the time of execution of I.D.A. LRP & S.R. works, this Ministry had intimated to concerned states, about the procedure to be followed for working out the hire charges for use of Central machinery and for its accounting. Subsequently whenever machinery were transferred to other states, this procedure was brought to their notice also. According to this procedure, the hire charges of machinery were to be calculated by the states and debited to the works on which they were engaged, commensurate with their utilisation on those works, so that the expenditure for the usage of machinery was duly reflected in the cost of execution of Central works. The State P.W.Ds. accordingly made provisions for the same, in the works estimate before getting the same sanctioned by the Ministry. For the execution of L.R.P. works, requisite instructions were also issued regarding hire charges when Central machines are given to the contractor, (with POL supplied by Department/POL supplied by the contractor).

2. Road Building Machinery Committee in their Report had brought out that accounting of hire charges was far from satisfactory. On completion of earlier projects of I.D.A., L.R.P. etc., the central machines have now been distributed among almost all the states throughout the country for execution of National Highways and other Centrally Sponsored Works. Ministry have also procured in addition a large fleet of

bituminous Pavement construction equipments and distributed them to all the States. Based on the recommendations in the report of R.B.M.C., Ministry issued revised instructions to all State P.W.Ds. regarding calculations of hire charges and accounting of its various components vide Ministry's letter of even number dated 4.6.1976. The State P.W.Ds. were also requested to work out the hire charges for each Central machine allocated to them and send details of calculation of hire charges to the Ministry with a copy to Regional office for information.

3. However, it is seen that only few states have submitted such calculations of hire charges. Even these are incomplete in many respects. Perhaps some of the states are finding difficulties in working out the procurement cost of machines at site, as the information has not been received by them from the States from where the equipments have been received on transfer, proper records for transportation charges, erection, commissioning charges etc. are not available or are not being received from the lower formations which matters though were needed to be duly pursued to proper conclusion and settlement in proper time. Due to one reason or the other the calculation of hire charges of some Central machines could not be done by some states resulting in delay in their adoption and proper accounting. With a view to overcome these difficulties of the States P.W.Ds., in order to expedite the calculation and accounting of hire charges of Central machinery without further delay, and their adoption on uniform basis by all State P.W.Ds. having Central machines, the components of hire charges, viz. ownership and operational, including their overhead component for all central machinery have been calculated and summarised in the enclosed statement. The statement indicates the rates of these components of hire charges when the machines are used departmentally and when the machines are issued to the contractor for execution of central works separately.

4. It is requested that the rates now indicated in the enclosed statement may be adopted with effect from 1.4.1978 and use the same for debiting to the Works and crediting to the Central head of Accounts prescribed by the Ministry. There is no necessity to reconcile the rates of hire charges charged in the past (prior to 31.3.1978) with those indicated now in the enclosed statement.

5. The running charge components of hire charges which is likely to vary from state to state due to prevailing rate of staff wages consumption and cost of POL which would differ due to job conditions, terrain and climate etc. have not been calculated by the Ministry. As such, the State P.W.Ds. are requested to continue to calculate the running charges and its overhead (at 5% of the calculated running charges) themselves, include the same while calculating the total hire charges for use of machinery and incorporate in NITs, whenever central machines are given to contractors.

6. State P.W.D. is requested to issue suitable instructions in this regard immediately to all concerned in their department under intimation to the Ministry. This issues with the concurrence of Ministry of Finance TF vide their U.O. No. 146/TF.II/78 dated 25.4.1978.

HIRE CHARGES FOR CENTRAL MACHINERY

Sl. No.	Description of machinery	When used by the Department				When used by Contractors			
		Owner-ship charges per hour	Operational charges per hr.	Over-head charges per hr.	Total usage charges excluding running charges	Owner-ship charges per hour inclusive of interest and Insurance	Operational charges per hr.	Over-head charges per hr.	Total usage charges per hr. excluding running charges
1	2	3	4	5	6	7	8	9	10

BITUMINOUS CONSTRUCTION EQUIPMENTS

1.	Hot Mix Plant 20-30 TPH Marshalls								
(i)	Batch diesel								
(ii)	Continuous diesel	36.60	54.40	4.55	95.55	62.20	54.40	5.80	122.40
2.	Hot Mix Plants 20-30 TPH Marshalls								
(i)	Batch Electric								
(ii)	Continuous Electric								
	Sayaji-continuous electric	51.40	34.60	4.30	90.30	58.80	51.40	5.50	115.70

3.	Hot Mix Plants 20-30 TPH Sayaji								
	(i) Batch Electric								
	(ii) Continuous Electric	38.20	56.75	4.75	99.70	54.90	56.75	5.60	117.25
4.	Hot Mix Plants 15-20 TPH (i) Cutter								
	(ii) Parker (iii) Bristones	19.80	29.40	2.45	51.65	33.65	29.40	3.15	66.20
5.	Hot Mix Plants 15-20 TPH Parker Starmix	22.30	33.15	2.75	58.20	37.90	33.15	3.55	74.60
6.	Hot Mix Plants 6-10 TPH Millars, Sayaji (old)	10.15	15.05	1.25	26.45	14.85	15.05	1.50	31.40
7.	Hot Mix Plants 6-10 TPH Marshalls Sayaji (new) VAK	13.55	20.15	1.65	35.35	19.85	20.15	2.00	42.00
8.	Paver Finishers-75 TPH Marshalls Sayaji (old)	17.20	25.50	2.15	44.85	29.20	25.50	2.75	57.45
9.	Paver Finishers (new) Marshalls & Appolo	20.30	30.15	2.30	52.95	34.50	30.15	3.25	67.90
10.	Paver Finisher-Goegila	6.30	9.35	0.75	16.40	10.70	9.35	1.00	21.05
11.	Bitumen Mixer 8-10 TPH	4.90	7.25	0.60	12.75	7.20	7.25	0.70	15.15
12.	Bitumen Pressure distributor	3.15	4.65	0.40	8.20	5.35	4.65	0.50	10.50
13.	Tippers-5 Ton (New)	0.25/km.	0.35/km.	0.03/km.	0.63/km.	0.40/km.	0.35/km.	0.04/km.	0.79/km.
14.	Tippers 3-5 Tons (Old)	0.15/km.	0.20/km.	0.01/km.	0.36/km.	0.25/km.	0.20/km.	0.02/km.	0.47/km.
15.	Loader 1½ cyd.	7.35	10.95	0.90	19.20	11.50	10.95	1.10	23.55
16.	Front End Loader 1.5 cum	49.00	72.80	6.05	127.85	76.40	72.80	7.45	156.65
17.	Front End Loader 0.5 cum	8.60	12.75	1.05	22.50	13.40	12.75	1.30	27.45
18.	Bitumen Boilers 250-300 gals	0.45	0.70	0.05	1.20	0.65	0.70	0.05	1.40
19.	Bitumen Storage Tank	2.95	4.40	0.35	7.70	5.05	4.40	0.45	9.90
20.	Grit Spreader	1.05	1.60	0.15	2.80	1.80	1.60	0.15	3.55
21.	Mechanical Broom	6.85	10.20	0.85	17.90	10.05	10.20	1.00	21.25
HEAVY EARTH MOVING MACHINES									
22.	Motorised Scraper (Michigan)	20.15	29.95	2.50	52.60	31.45	29.95	3.05	64.45
23.	Motorised Scraper (Russian)	24.70	36.70	3.05	64.45	38.50	36.70	3.75	78.95
24.	Towed Scraper (Russian)	13.40	19.90	1.65	34.95	22.75	19.90	2.15	44.80
25.	Tractor Dozers (Pneumatic) Michigan	14.65	21.80	1.80	38.25	22.85	21.80	2.25	46.90
26.	Tractor Dozer Crawler 108 HP Russian	13.35	19.80	1.65	34.80	20.80	19.80	2.05	42.65
27.	Grab dredging crane (Priestman)	9.95	14.80	1.25	26.00	16.90	14.80	1.60	33.30
28.	Grab dredging crane 1½ cyd. E-1252	26.40	39.20	3.30	68.90	44.85	39.20	4.20	88.25
29.	Grab dredging crane ¾ cyd. E-652	14.30	21.25	1.75	37.30	24.30	21.25	2.25	47.80
30.	Dragline Crawler 1½ cyd.	23.40	34.75	2.90	61.05	39.75	34.75	3.70	78.20
31.	Cranes-5 Tons "Coles"	11.00	16.30	1.35	28.65	16.10	16.30	1.60	34.00
32.	Cranes-5 Tons "P & H"	16.65	24.75	2.05	43.45	24.40	24.75	2.45	51.60
33.	Cranes-10 Tons "Coles"	15.85	23.60	2.00	41.45	24.75	23.60	2.40	50.75
34.	Rear Dumper-9/11 cyd.	14.60	21.65	1.80	38.05	21.40	21.65	2.15	45.20
35.	Motor Grader-Caterpillar	7.15	10.60	0.90	18.65	13.15	10.60	1.15	24.90
36.	Motor Grader-Russian	8.80	13.10	1.10	23.00	14.95	13.10	1.40	29.45
37.	Single Pass Soil Stabilizer (Voegale)	33.60	49.90	4.15	87.65	52.40	49.90	5.10	107.40
38.	Single Pass Soil Stabilizer (Howard)	13.60	20.20	1.70	35.50	21.20	20.20	2.05	43.45
COMPACTION EQUIPMENTS									
39.	Road Roller-Rubber Tyred	0.70	1.05	0.10	1.85	1.10	1.05	0.10	2.25
40.	Road Roller-Tandem (Schcid)	2.10	3.10	0.25	5.45	3.85	3.10	0.35	7.35
41.	Road Roller-Tandem (Garlik)	1.80	2.70	0.20	4.70	3.30	2.70	0.30	6.30
42.	Road Roller-8-10 Tons	2.50	3.70	0.30	6.50	4.60	3.70	0.40	8.70
43.	Roller-Sheepfoot single drawn	0.20	0.35	0.03	0.58	0.35	0.35	0.03	0.73
44.	—do— double drawn	0.40	0.60	0.05	0.05	0.70	0.60	0.06	1.36
45.	Tankers-Truck mounted 1000 gal.	0.20/km.	0.30/km.	0.02/km.	0.52/km.	0.40/km.	0.30/km.	0.03/km.	0.73/km.
46.	Tankers-Trailor mounted	0.03/km.	0.04/km.	Nil	0.07/km.	0.05/km.	0.04/km.	Nil	0.09/km.
47.	Tractors 40-50 HP	1.40	2.10	0.15	3.65	2.20	2.10	0.20	4.50
48.	Tractor Wheelled-Zetor	0.80	1.15	0.10	2.05	1.25	1.15	0.10	2.50
OTHER EQUIPMENTS									
49.	Diamond core drilling m/c Joy 12 B Voltas large	7.15	10.60	0.90	18.65	11.15	10.60	1.10	22.85

50.	Diamond core drilling m/c (mandrill)	2.60	3.90	0.30	6.80	4.05	3.90	0.40	8.35
51.	Diamond core drilling m/c Joy & Voltas small	2.70	4.00	0.35	7.05	4.20	4.00	0.40	8.60
52.	Fressymet Jack	4.00	6.00	0.50	10.50	4.95	6.00	0.55	11.50
53.	Welding set	0.20	0.30	0.02	0.52	0.30	0.30	0.03	0.63
54.	Generating set	1.65	2.50	0.20	4.35	2.60	2.50	0.25	5.35
55.	Pile driving Equipment	3.95	5.85	0.50	10.30	6.70	5.85	0.60	13.15
56.	Winches 3 X 5 Tons	2.30	3.40	0.30	6.00	3.90	3.40	0.35	7.65
57.	Colcrete Mixers	2.00	3.00	0.25	5.25	2.75	3.00	0.30	6.05
58.	Concrete Mixers	0.70	1.05	0.10	1.85	0.95	2.05	0.10	2.10
59.	Air Compressors 160 cfm.	2.45	3.65	0.30	6.40	3.60	3.65	0.35	7.60
60.	Air Compressors 315 cfm	4.00	5.95	0.50	10.45	5.85	5.95	0.60	12.40
61.	Air Compressors 210 cfm	2.70	4.00	0.35	7.05	3.95	4.00	0.40	8.35
62.	Vibrators	0.15	0.25	0.02	0.42	0.20	0.25	0.02	0.47
63.	RPL Barge	28.60	42.50	3.55	74.65	52.60	42.50	4.75	99.85
64.	Mar boat-Steel	5.50	8.20	0.70	14.40	9.35	8.20	0.90	18.45
65.	Mar boat-Wooden	6.40	9.50	1.25	17.15	9.40	9.50	0.95	19.85
66.	Pumping Sets-5 HP	0.55	0.80	0.07	1.42	0.80	0.80	0.08	1.68
67.	Pumping Sets-20 HP	1.10	1.65	0.15	2.90	1.70	1.65	0.15	3.50
68.	Power Rammer	0.15	0.25	0.01	0.41	0.25	0.25	0.02	0.52
69.	Cube Testing Machine	0.20	0.30	0.02	0.52	0.60	0.30	0.05	0.95
70.	Stone crushers-Sisco	3.35	5.05	0.40	8.80	4.95	5.05	0.50	10.50
71.	Stone crushers-Marshalls	4.20	6.25	0.50	10.95	6.15	6.25	0.60	13.00
72.	Stone crushers-Aggarwalla	2.90	4.35	0.35	7.60	4.25	4.35	0.45	9.05
73.	Granulator-Prabhat	3.25	4.85	0.40	8.50	4.75	4.85	0.50	10.10
74.	Trucks-5 Tons	0.10/km	0.20/km	0.01/km	0.31/km	0.20/km	0.20/km	0.02/km	0.42/km