

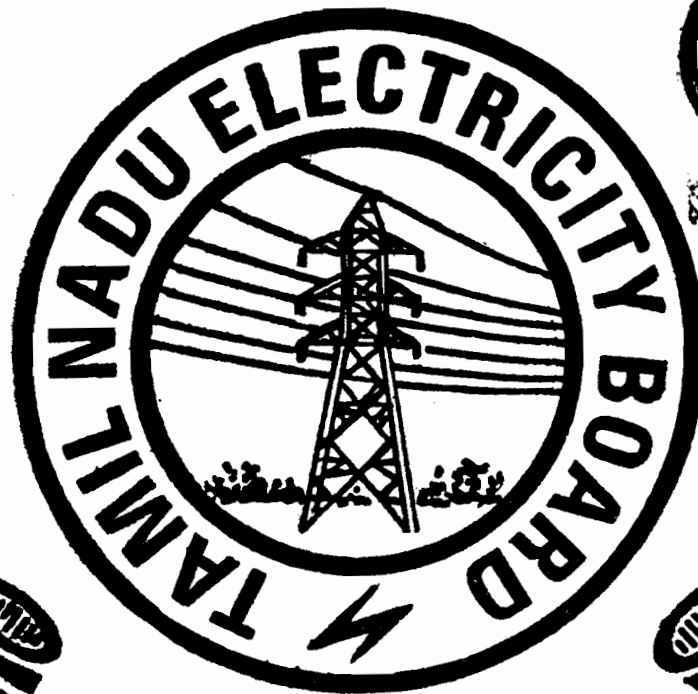
25/1/2000

TAMIL NADU ELECTRICITY BOARD BULLETIN

Vol. XIX

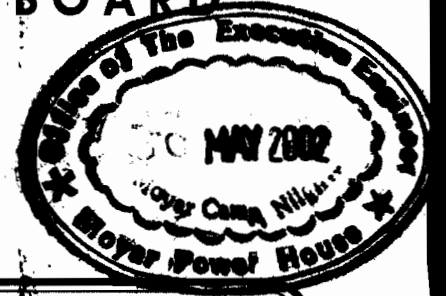
JANUARY & FEBRUARY 2000

No. 1 & 2



TAMIL NADU ELECTRICITY BOARD

BULLETIN



JANUARY, 2000

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News & Notes

PART - I News & Notes

I. Generation Particulars:

The generation/relief figures for January 2000 were as follows:

Sl. No.	Particulars	January 2000 (in Million Units)
1.	Ennore T.P.S.	91.750
2.	North Chennai T.P.S.	424.410
3.	Tuticorin T.P.S.	728.110
4.	Mettur T.P.S.	467.230
	Total Thermal	1711.500
5.	Neyveli T.S. I	240.264
6.	Neyveli T.S. II	799.195
7.	MAPS	112.605
8.	Hydro Generation	319.481
9.	Kadamparai Pump Mode	4.330
10.	Import from N.T.P.C.	128.606
11.	Export to Kerala	263.901
12.	Import from Manali	2.730
13.	Wind Mill Generation	.900
14.	Import from CCDP & Wind Mills (PVT)	54.065
15.	Narimanam, Basin Bridge, GMR, TCPL and HITEC	167.854
	Nett TNEB Consumption	3268.969

The maximum grid demand and consumption during January 2000 were 5,496 MW on 27.01.2000 and 110.548 MU on 14.01.2000 respectively. The average grid consumption in January 2000 was 105.451 MU per day.

II. Hydro Inflows:

The Hydro inflows excluding Mettur for the month of January 2000 were 108 MU against 740 MU in January 1999 and the ten years average of 78 MU.

III. Storage Position:

The storage position in various reservoirs as on 01.02.2000 when compared to the storage as on 01.02.99 was as follows:-

(Figures in MU)

Sl.No.	Name of the Group	Storage as on		Difference	
		01.02.2000	01.02.'99		
1.	Nilgiris	953.230	1043.670	(-)	90.440
2.	P.A.P.	212.420	204.550	(+)	7.870
3.	Periyar	15.830	69.010	(-)	53.180
4.	Papanasam & Servalar	25.150	36.630	(-)	11.480
5.	Suriliyar	29.780	18.140	(+)	11.640
6.	Kodayar	161.280	100.160	(+)	61.120
7.	Total Excluding Mettur	1397.690	1472.160	(-)	74.470
8.	For Mettur	151.540	57.900	(+)	83.640

IV. Performance of Thermal Stations:**I. Tuticorin (5 x 210 MW):**

The details of generation at Tuticorin T.P.S. during January 2000 were as follows:

Unit	Availability Factor (%)	Generation (MU)	Plant Load Factor (%)
I (210 MW)	100.00	149.67	95.80
II (210 MW)	100.00	151.86	97.20
III (210 MW)	99.00	147.83	94.60
IV (210 MW)	98.20	145.57	93.20
V (210 MW)	87.50	133.18	85.20
STATION	96.94	728.11	93.2

II. Ennore (2 x 60 MW + 3 x 110 MW):

The details of generation at Ennore T.P.S. during January 2000 were as follows:

Unit	Availability Factor (%)	Generation (MU)	Plant Load Factor (%)
I (60 MW)	80.20	23.95	53.70
II (60 MW)	52.70	15.77	35.30
III (110 MW)	43.10	17.95	21.90
IV (110 MW)	0.00	0.00	0.00
V (110 MW)	70.20	34.00	41.60
STATION	49.24	91.67	30.50

iii. North Chennai (3 x 210 MW):

The details of generation at North Chennai T.P.S. during January 2000 were as follows:-

Unit	Availability Factor (%)	Generation (MU)	Plant Load Factor (%)
I (210 MW)	98.66	150.07	96.05
II (210 MW)	99.36	144.12	92.24
III (210 MW)	98.35	130.22	83.38
STATION	98.79	424.41	90.55

iv. Mettur (4 x 210 MW):

The details of generation at Mettur T.P.S. during January 2000 were as follows:

Unit	Availability Factor (%)	Generation (MU)	Plant Load Factor (%)
I (210 MW)	95.53	120.57	77.17
II (210 MW)	81.68	108.32	69.23
III (210 MW)	100.00	135.02	86.42
IV (210 MW)	77.02	103.32	66.13
STATION	88.56	467.23	74.76

v. Coal Particulars for JANUARY 2000:

Sl.No.	Particulars	Tuticorin TPS	Mettur TPS	North Chennai TPS	Ennore TPS
1.	Coal Linkage (in lakh tonnes)	3.20	3.90	2.20	1.00
2.	Coal Receipt (-do-)	2.41	3.91	3.40	1.10
3.	Coal Consumption (-do-)	4.85	3.73	3.24	1.01
4.	Coal Stock as on 01.02.2000 (-do-)	0.72	0.64	0.66	0.27
5.	Specific Coal Consumption (Kg./Ug.)	0.667	0.797	0.782	1.101

vi. Auxiliary consumption and oil consumption during JANUARY 2000:

Details	Name of the Thermal Power Station			
	Tuticorin	Ennore	Mettur	North Chennai
Specific Oil consumption (ML/Ug)	0.670	15.700	8.929	14.600
Auxiliary consumption (%)	7.50	16.10	8.06	9.03

VII. Important Circulars :**i. AMENDMENT TO ENHANCEMENT OF RECONNECTION CHARGES:**

Revision of miscellaneous charges - enhancement of reconnection charges in respect of HT services - amendment to Clause 38 - Schedule - Part II of Terms and Conditions of Supply of Electricity - orders issued vide (P) B.P. (FB) No. 9 dt. 14.01.2000.

ii. ORDERS ON POLICY ISSUES:

Orders on policy issues - Chairman's approval - Instructions issued vide Memo.(Per) No.2270/A22/A221/2000-1 dt. 19.01.2000.

iii. COMPUTERISATION REVENUE ACCOUNTING AND CASH COLLECTION:

Revision of work allocation and staff pattern - computerisation of Revenue Accounting and cash collection - orders issued vide Per. B.P.(FB)No. 6 dt. 25.01.2000.

A.Rajagopala Rao,
Superintending Engineer/
Chairman's Office.

The following are the details of posts Created, Abolished, Upgraded and Downgraded during the month of January 2000.

A.Balasubramanian,
Chief Engineer/Personnel.

POSTS CREATED

Sl.No.	Details of Board's Order	Name of the Circle	Name of the Post	No. of Posts	Purpose for which the Posts were created	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Per. B.P. (Ch.) No.2 (Adm. Br.) dt. 7.1.2000.	Madurai E.D.C/	1. AE/JE(EI.) I Gr. 2. JE(EI.) II Gr. 3. Line Inspector 5. Helper	1 4 4 2	Sanctioned for 110/11 KV SS (Non grid) at Vadipatty.	For a period of one year from the date of commissioning the S.S.
			Total	11		
2.	Per. B.P. (Ch.) No.15 (Adm. Br.) dt. 27.1.2000.	Dindigul E.D.C/	1. AE/JE(EI.) I Gr. 2. JE(EI.) II Gr. 3. Line Inspector 5. Helper	1 4 4 2	Sanctioned for 110/22 KV SS (Non grid) at Thalayuthu	For a period of one year from the date of commissioning the S.S.
			Total	11		
3.	Per. B.P. (Ch.) No.16 (Adm. Br.) dt. 27.1.2000.	Cuddalore E.D.C/	1. Asst. Exe. Engr./ Elecl.	1	Created one post of AEE/EI. for maintenance works of the existing 230 KV SS at Cuddalore	For a period of one year from the date of utilisation.
			Total	1		
4.	Per. B.P. (Ch.) No.17 (Adm. Br.) dt. 29.1.2000.	Generation Circle/ Kundah(Kundah Power House-6 at Parsonsvally)	1. A.E.E./Elecl. 2.A.E./Mechl,	1 1	As per request of the Superintending Engineer.	For a period of one year from the date of utilisation.
			Total	1		

POSTS ABOLISHED

Sl.No.	Details of Board's Order	Name of the Circle	Name of the Post	No. of Posts	Purpose for which the Posts were abolished	Remarks
1.	2.	3.	4.	5.	6.	7.
1.	Memo (Per) No. 1400/A22/ A222/2000-1 dt.20.1.2000	Board Office Secretariat Branch	1.Steno Typist	1		Witheffect from 21.1.2000
			Total	1		

POSTS UPGRADED AND DOWNGRADED**-NIL-**

GENERAL ADMN. & SERVICES

PART - II

General Administration & Services

Memo. No. 125069/226/G.54/G.541/2000-1, (Adm. Br.), Dated 3-1-2000.

Sub : INSPECTION - inspection programme of Generation/Distribution and Development Circles etc. during the calendar year 2000 - Communicated.

The tentative programme of Inspection of the offices of the Generation, Distribution and Development Circles etc. of the Board by the Inspection Teams 'A' and 'B' of Board Office/Administrative Branch, Chennai-2 and the designation of each final Inspecting Officer is given in the ANNEXURE appended to this Memo.

2. Accordingly, the preliminary inspections of the concerned Superintending Engineers' Offices will be carried out by the Two Inspection Teams (viz.) Team 'A' and Team 'B' during the year 2000 as per the said programme.

3. The Inspection will cover, Central Offices, Central Stores, Sub-stores, One Division Office, One Sub-division office, one or more section offices and one Revenue Branch office.

4. As the scheduled inspection of the offices have to be completed within the prescribed period mentioned in the Annexure, and the **biennial periodicity** has to be adhered to, the Superintending Engineers are hereby informed, that any request from them for postponement of the dates of preliminary inspection of their circles will not be entertained.

5. In this connection, the attention of the Superintending Engineers is invited to the Secretary/Tamil Nadu Electricity Board Memo. (Per.) No. 33448/O&M Cell 88-3, (Sectt. Br.), dt. 5-1-89 (vide pages 16 and 18 to 43 of TNEB Bulletin) and the annexure appended thereto, wherein the data to be collected from the Offices of the Superintending Engineers, Division Offices, Sub-divisions, Section Offices, Stores etc., have been given in various chapters with titles and sub-titles. The answers to the chapters I to III and VI to VIII of the Memo. dt.5.1.89 may be arranged to be prepared and furnished to the Headquarters (i.e. the concerned Inspection Team (A & B) one month before the date of commencement of the inspection of the circle. If the required data to the questionnaire is not received within the one month time limit prescribed, the Officers of the concerned circle will be held responsible.

6. The Superintending Engineers are also requested, that all the connected official records required for Inspection (viz.) Service Books, Service Rolls, Files, Performance Assessment Reports, Registers, and other relevant data shall be updated and kept ready well in advance in respect of their offices and also in the Division Offices, Section Offices, Stores etc. under their control so that **wastage of precious time, in searching the Records, could be avoided** and the Inspection is completed well within the time, stipulated. If there is any failure, on the part of Officers and staff in producing the records, the fact will be placed before the Chairman and necessary action will be taken against them. It may also be ensured that the staff working in Central Offices etc. are not granted any kind of leave during the period of inspection except in special and genuine cases.

7. In this connection, the attention of the Superintending Engineers and other officers is also invited to the Chairman/Tamil Nadu Electricity Board's D.O. Letter No. 1980/Inspection Team/80 dt.23.9.1980, and they are instructed to extend all necessary facilities, including arrangement of vehicles to the respective Inspection Teams for the discharge of their duties without fail.

8. As the Inspection Teams, will review the follow up action, on the previous inspection Reports necessary arrangements for this purpose may also be made positively.

9. Receipt of this Memo. shall be acknowledged.

(By Order of the Chairman)

A. Balasubramanian,
Chief Engineer/Personnel.

Encl. : 1 Annexure.

Encl:

TOUR PROGRAMMETEAM - A
YEAR - 2000

Sl. No.	Name of the Circle	Period of last Inspection	Period of Proposed Inspection	No. of working days		Final Inspection to be conducted by
1.	2.	3.	4.	5.		6.
1.	SE/Generation Circle/Tirunelveli	02-03-98 to 12-03-98	18-01-2000 to 29-01-2000	10 days	(Excluding holidays)	CE/Planning
2.	SE/Karur EDC	21-01-98 to 08-02-98	14-02-2000 to 26-02-2000	12 days	"	CE/I.P.P.
3.	SE/Chennai Dev. Circle/Chennai	09-02-98 to 20-02-98	02-03-2000 to 14-03-2000	10 days	"	CE/MM
4.	SE/Nilgiris EDC/ Nilgiris	16-03-98 to 26-03-98	18-03-2000 to 31-03-2000	12 days	"	CE/P.L.
5.	SE/Trichy/EDC/ Metro/Trichy	16-04-98 to 29-04-98	14-04-2000 to 28-04-2000	12 days	"	CE/Hydro
6.	SE/Kanyakumari EDC/Kanyakumari	18-05-98 to 28-05-98	17-05-2000 to 27-05-2000	10 days	"	Secy.
7.	SE/Virudhunagar EDC/Virudhunagar	15-06-98 to 27-06-98	16-06-2000 to 29-06-2000	12 days	"	CE/HP Bhavani
8.	SE/Villupuram EDC/Villupuram	13-07-98 to 25-07-98	10-07-2000 to 22-07-2000	12 days	"	CE/ETPS
9.	SE/Dindigul EDC/ Dindigul	03-08-98 to 19-08-98	17-08-2000 to 31-08-2000	12 days	"	CE/P&C
10.	SE/Sivaganga EDC/ Sivaganga	02-09-98 to 16-09-98	11-09-2000 to 23-09-2000	12 days	"	CE/D/Erode
11.	SE/Tirupatur EDC/ Tirupatur	03-10-98 to 17-10-98	09-10-2000 to 23-10-2000	12 days	"	CE/Project/ Chennai
12.	SE/P&C Coimbatore	24-10-98 to 31-10-98	02-11-2000 to 09-11-2000	7 days	"	CE/Techl. Audit.
13.	SE/Tuticorin EDC/ Tuticorin	14-12-98 to 28-12-98	13-11-2000 to 25-11-2000	12 days	"	Secy.
14.	Chennai EDC/ South Chennai	04-11-98 to 18-11-98	11-12-2000 to 23-12-2000	12 days	"	CE/NCES

Sd/- xxx
Chief Engineer/ Personnel.

Encl :

TOUR PROGRAMMETEAM—B
YEAR—2000

Sl. No.	Name of the Circle	Period of last Inspection	Period of proposed Inspection	No. of working days	Final Inspection to be conducted by
(1)	(2)	(3)	(4)	(5)	(6)
1.	SE/Gobi EDC/Gobi	21—01—98 to 05—02—98	18—01—2000 to 29—01—2000	10 days (Excluding Holidays)	CE/CBE
2.	SE/Gen./Erode	23—02—98 to 05—03—98	14—02—2000 to 24—02—2000	10 days ..	CE/D/Trichy
3.	SE/Nagai EDC/Nagapattinam	18—03—98 to 31—03—98	16—03—2000 to 30—03—2000	12 days ..	CE/D/VPM
4.	SE/CBE. EDC/North Coimbatore	16—04—98 to 29—04—98	15—04—2000 to 29—04—2000	12 days ..	CE/PI.
5.	SE/Madurai EDC/Madurai	11—05—98 to 23—05—98	17—05—2000 to 30—05—2000	12 days ..	Secy.
6.	SE/Pudukottai EDC/Pudukottai	15—06—98 to 27—06—98	16—06—2000 to 29—06—2000	12 days ..	CE/D/Madurai
7.	SE/Tirunelveli EDC/Tirunelveli	13—07—98 to 25—07—98	17—07—2000 to 29—07—2000	12 days ..	CE/TTPS
8.	SE/Chennai EDC/North/Chennai	03—08—98 to 19—08—98	17—08—2000 to 31—08—2000	12 days ..	CE/D/Vellore
9.	SE/Chennai EDC/Central/Chennai	16—09—98 to 29—09—98	02—09—2000 to 16—09—2000	12 days ..	CE/NCTPS
10.	SE/Generation/Kundah	02—09—98 to 14—09—98	19—09—2000 to 29—09—2000	10 days ..	Secy.
11.	SE/Salem EDC/Salem	03—10—98 to 17—10—98	10—10—2000 to 24—10—2000	12 days ..	CE/PI.
12.	SE/P&C/Madurai	24—10—98 to 31—10—98	02—11—2000 to 09—11—2000	7 days ..	CE/Tr.
13.	SE/Vellore EDC/Vellore	16—11—98 to 28—11—98	17—11—2000 to 30—11—2000	12 days ..	CE/D/Chennai
14.	SE/Mettur EDC/Mettur	02—12—98 to 16—12—98	11—12—2000 to 23—12—2000	12 days ..	CE/R&D

Sd/- x x x
Chief Engineer/Personnel.

B. B.—2 (Jan. 2000)

Letter No. 1101/A3/A32/2000—1, (Sectt. Br.), dated 7—1—2000.

Sub : BONUS—Adhoc Bonus & Spl. Adhoc Bonus for the year 1998—99 to the employees of State Govt. on deputation in TNEB—Government Order—Copy communicated.

- Ref : 1. (Per) B.P. (Ch) No. 291, (SB), dt. 30—10—99.
2. (Per) B.P. (Ch) No. 292, (SB), dt. 30—10—99.
3. G.O. Ms. No. 2 Finance (Allowances) Department, dated 5—1—2000.

I am to enclose a copy of the G.O. third cited sanctioning Adhoc Bonus & Special Adhoc Bonus to the State Government employees for the year 1998—99.

2. According to the orders in para-5 of the G.O. third cited, deputationists from the State Government working in the Board who are not in receipt of Bonus/Ex-gratia sanctioned from the Board are eligible to receive the Adhoc Bonus/Special Adhoc Bonus sanctioned by the Government.

3. I am to request you to claim the amount and disburse it to the eligible employees immediately.

4. The number of employees for whom payment is made with reference to the G.O. third cited may be intimated to this Office.

Encl :

G. Gnanaselvam,
Secretary.

Copy of G. O. Ms. No. 2, Dated 5th January, 2000 (Margazhi 21, Pramathi, Thiruvalluvar Aandu 2030) Finance (Allowances) Department, Government of Tamil Nadu.

Bonus—Adhoc Bonus—Special Adhoc Bonus for the year 1998-99—Sanction—Orders—Issued.

Read :

1. G.O. Ms. No. 744 Finance (Allowances) Department, dated 30—12—1998.
2. Government of India, Ministry of Finance, Department of Expenditure, New Delhi O.M. No. 14(3) E Coord 1/99, dated 8—10—1999.

Order No. 2 Finance (Allowances) Department, dt. 5—1—2000.

Government has decided to grant Adhoc Bonus equivalent to 29 days emoluments on a base of 30 days a month to all the regular and temporary Government employees, employees of Local Bodies and Aided Educational Institutions including teachers on regular time scale of pay for the financial year 1998-99.

2. Accordingly, Government direct that all regular and temporary Government employees, employees of Local Bodies and Aided Educational Institutions including teachers on regular time scales of pay in 'C' and 'D' group be paid adhoc bonus equivalent to 29 days emoluments on a base of 30 days a month for the financial year 1998-99. The Adhoc Bonus shall be computed on the basis of actual emoluments as on 31st March, 1999. The amount of adhoc bonus shall be calculated as if monthly emoluments were Rs. 2,500/- per month. In respect of those drawing pay in the pre-revised scales, the calculation of adhoc bonus shall be based on the emoluments drawn subject to the upper ceiling of Rs. 2500/- per month. The upper ceiling limit shall be applicable irrespective of whether the emoluments are drawn in the pre-revised scales of pay. The Adhoc Bonus/Special Adhoc Bonus shall be admissible subject to the conditions prescribed in the annexure to this order.

3. Employees in Groups 'A' and 'B' including those coming under University Grants Commission/All India Council for Technical Education/Indian Council for Agriculture Research scales of pay and All India Service Regulations are not covered by the bonus scheme and are not entitled to get any bonus amount. However, these categories of employees were already paid Special Adhoc Bonus of Rs. 825/- during the Pongal Festival in January, 1999. Government has decided to continue this benefit. Government has decided to grant Special Adhoc Bonus to these employees and direct that employees in Groups 'A' & 'B' including those on University Grants Commission/All India Council for Technical Education/Indian Council of Agricultural Research scales of pay and All India Service Regulations be paid Special Adhoc Bonus of Rs. 825/- (Rupees Eight hundred and twenty five only).

4. The Special Adhoc Bonus of Rs. 825/- (Rupees Eight hundred and twenty five only) shall also be admissible to full-time and part-time employees paid from contingencies at fixed monthly rates, employees on consolidated pay, employees on fixed monthly remuneration including employees in Nutritious Meal Programme/Village establishment on non-standard scales of pay, contract employees and also the employees on daily wages who have worked for atleast 240 days or more during the year 1998-99.

5. Deputationists from the State Government working in Corporation/Boards/Joint Sector Companies who are not in receipt of bonus/ex-gratia payment from the Undertakings concerned are eligible for the benefit of Adhoc Bonus/Special Adhoc Bonus.

6. The expenditure on Adhoc Bonus and Special Adhoc Bonus shall be debited to the sub-detailed head "04. Other Allowances" under the detailed head "01. Salaries" or the detailed head "02 Wages" as the case may be under the relevant service head of the department concerned. The expenditure over and above the budget provision should be met by re-appropriation in Final Modified Appropriation 1999-2000.

7. The Adhoc Bonus/Special Adhoc Bonus sanctioned in this order shall be drawn and paid to the employees on 11-1-2000.

(By Order of the Governor)

Sd./ x x x
Girija Vaidyanathan,
Special Secretary to Government.

(True Copy)

Encl. :

ANNEXURE

(i) Emoluments for purposes of Adhoc Bonus under these orders shall be worked out on the basis of basic pay, personal pay, special pay and dearness allowance as on 31st March, 1999 and also additional dearness allowance as on 31st March 1999 in the case of employees remaining on the pre-revised scales of pay but will not include House Rent Allowance, City Compensatory Allowance and Other Compensatory Allowances. The classification of Government servants as group A, B, C & D shall be as ordered in G.O. Ms. No. 190 Personnel & Administrative Reforms (Per. S) Department, dated 30-7-1998.

(ii) Employees who were in service on 31st March, 1999 and have rendered a full year of service from 1st April, 1998 to 31st March, 1999 will be eligible for the full amount of Adhoc Bonus sanctioned in this Order at the rate of 29/30 days of emoluments in the first instance, pending full change over to Government of India pattern.

(iii) Employees who have rendered service of six months and above, but less than a year during 1998-99 will be eligible for proportionate amount of Adhoc Bonus. For the purpose of this rule period less than 15 days shall be ignored and fifteen days and above shall be treated as a full month of service.

(iv) The Adhoc Bonus will be rounded to the nearest rupee, i.e. fraction of 50 paise and above shall be rounded to the next higher rupee and fraction below 50 paise ignored.

(v) The period of service for the purpose of computing Adhoc Bonus shall include all leave other than the extraordinary leave without allowances. In the case of employees who were on Extraordinary Leave without Allowances/Half pay/Study leave without pay during the month of March 1999, the Adhoc Bonus shall be determined based on the emoluments last drawn before proceeding on leave.

(vi) In the case of employees under suspension at any time, during 1998—99 subsistence allowances paid during suspension shall not be treated as emoluments. Such an employee may be paid Adhoc Bonus as and when the period of suspension is treated as duty. In other cases, the period of suspension will be excluded for the purpose of Adhoc Bonus. In the case of suspension, if any, after 31st March, 1999 there shall be no bar for the payment of Adhoc Bonus.

(vii) Employees who retired on superannuation/Voluntary retirement/died in harness/invalidated from service etc. prior to 31st March 1999 are eligible for Adhoc Bonus on the basis of actual service, subject to proviso (iii) above.

(viii) Superannuated employees who were re-employed are eligible for Adhoc Bonus provided the period of service prior to and after re-employment taken together is not less than six months, subject to provisos (ii) and (iii) above. In such cases, the eligibility period has to be worked out separately for the period prior to and after re-employment. The amount admissible, if any, for the period prior to superannuation and for the period after re-employment be restricted to the maximum admissible Adhoc Bonus.

(True Copy)



சுற்றறிக்கை எண். 96567/885/நிகி/ஜி47/ஜி471/2000—1, (நிர்வாகக் கிளை) நாள் : 7—1—2000.

பொருள் : மனு எண். 435/24—12—99 — நிர்வாகம்—நிர்வாகம் சம்பந்தப்பட்ட உத்தரவுகளை தமிழில் பிறப்பிக்க வேண்டுவது—தொடர்பாக.

பார்வை : 1. 1—6—99 நாளிட்ட இவ்வலுவலக ச. எண். 053735/292/தவ/நிகி/99—1.
2. 22—10—99 நாளிட்ட இவ்வலுவலக ச. எண். 109305/627/நிகி/ஜி47/ஜி471/99—1.

பார்வை 1-ல் குறிப்பிட்டுள்ள இவ்வலுவலகச் சுற்றறிக்கையின் வாயிலாக தொழிலாளர்கள் சம்பந்தப்பட்ட உத்தரவுகள் அனைத்தும் தமிழில் இருத்தல் வேண்டுமென்றும் தவிர்க்கப்பட்ட இனங்களில் தமிழ்/ஆங்கிலம் ஆகிய இருமொழிகளிலும் கடிதங்கள்/உத்தரவுகள் வழங்கும்படியும் தவறினால் அவர்கள் மீது வாரியம் கடும் நடவடிக்கை எடுக்கப்படும் என அறிவுறுத்தப்பட்டது.

2. மேலும், பார்வை 2-ல் கண்டுள்ள இவ்வலுவலகச் சுற்றறிக்கையின் வாயிலாக நிர்வாகப் பிரிவின் அனைத்து பதிவேடுகள், படிவங்கள், கடிதங்கள் மற்றும் அலுவலக ஆணைகள் யாவும் தமிழில் தான் நடைமுறைப்படுத்த வேண்டுமென அனைத்து அலுவலர்கள்/பணியாளர்கள் கேட்டுக் கொள்ளப் பட்டுள்ளது.

3. இதனைத் தொடர்ந்து, வாரியத்தால் வெளியிடப்படும் நிர்வாகச் சம்பந்தமான அனைத்து உத்தரவுகளும் தொழிலாளர்கள் புரிந்து கொள்ள தமிழில் வெளியிடப்பட வேண்டும் என்ற தொழிற் சங்கங்களின் கோரிக்கையின் மீது வாரியத் தலைவர் அவர்கள் நிர்வாகம் சம்பந்தப்பட்ட உத்தரவுகள் அனைத்தும் தமிழில் வழங்கிட உரிய நடவடிக்கை எடுக்கும்படி உத்தரவிட்டுள்ளார்.

4. ஆகவே, இனிவரும் நேர்வுகளில் மின்வாரிய அலுவலர்கள்/பணியாளர்கள் அனைவரும் தமிழ் ஆட்சிமொழிச் செயலாக்கத்திற்கு முழு ஒத்துழைப்பை நல்கி நிர்வாகம் சம்பந்தப்பட்ட உத்தரவுகள் அனைத்தும் தமிழில் வழங்கப்பட வேண்டுமென்று அறிவுறுத்தப்படுகிறார்கள்.

5. இச்சுற்றறிக்கையை பெற்றமைக்கான ஒப்புக்கையினை அனுப்பிவைக்கும்படிக் கேட்டுக் கொள்ளப்படுகிறார்கள்.

(வாரியத் தலைவரின் உத்தரவின்படி)

அ. பாலசுப்ரமணியன்,
தலைமைப் பொறியாளர்/பணியமைப்பு.

Memorandum No. 90022/A18/A181/99—1, (S.B.), dated the 13th January, 2000.

Sub : Attendance of Investigation Officer of the DV & AC at every hearing—
Instructions—Communicated.

Ref : (i) Memo. No. 33078/P1/97—5, dt. 21—6—99.

(ii) From Government Energy Department
Lr. No. 9688/B2/99—1, dated 26—10—99.

In continuation of the Memorandum cited, a copy of the Government letter cited together with a copy of Vigilance Commissioner's D.O. Letter No. 2402/VC1/99—6, dated 12—10—99 are communicated to all officers of the Board for information, guidance and strict adherence.

2. All Officers of the Board should bear in mind the necessity for the presence of the Investigating Officer as stipulated in the Vigilance Commissioner's letter dated 12—10—99.

3. Receipt of this Memorandum shall be acknowledged.

Encl :

G. Gnanaselvam,
Secretary.

Copy of CONFIDENTIAL Letter No. 9688/B2/99—1, dated 26—10—99 recd. from Thiru Lal Rawna Sailo, I.A.S., Secretary to Government, Energy Department, Secretariat, Chennai-9 addressed to the Chairman, Tamil Nadu Electricity Board, Chennai-2 and others.

Sub : Attendance of Investigation Officer of the DV & AC at every hearing—
Instructions—Reiterated.

Ref : From the Vig. Commr. Chennai-9
D O. Lr. No 2402/VC 1/99—6, dated 12—10—99.

I am directed to enclose a copy of D.O. Letter cited and to request you to adhere to the instructions given at para 5(i) and (ii) of the above mentioned D.O. letter.

2. The receipt of the letter may be acknowledged early.

(True Copy)

Lal Rawna Sailo,
Secretary To Government.

Copy of D.O. Letter No 2402/VC. 1/99—6 dated 12-10-99 recd. from Latika D. Padalkar, I.A.S., Vigilance Commissioner and Commissioner for Administrative Reforms, Vigilance Commission, Secretariat, Chennai-600009 addressed to the Secretary to Govt. Energy Dept., Sectt., Chennai-600009.

Sub : Attendance of Investigating Officer of the D.V. & A.C. at every
hearing—Instructions—Reiterated.

Ref : From the D V. & A C., D.O. Lr. No. 21595/VAC—4/99, dated 29—7—99.

During the review meeting held by me on 4—6—99, in respect of the pending vigilance cases with Commercial Taxes Department, it was brought to my notice that on account of the absence of the Investigating Officers delay has been caused in the conclusion of the enquiry. Therefore, a question has arisen as to whether it is altogether necessary for the Investigating Officer to be present at each and every hearing or whether it would suffice, if the Investigating Officer is present at the initial stage of the hearing and thereafter the Enquiry Officer proceeds with the enquiry according to rules, if it is not possible for the Investigating Officer to be present on account of pressure of work.

2. On consultation with Director of Vigilance and Anti-Corruption on this aspect, the Director of Vigilance & Anti-Corruption has highlighted that the presence of Investigating Officer in the departmental disciplinary proceedings is absolutely essential on all hearing dates, posted either for the examination of the prosecution witness or the defence witness.

3. Accordingly, I am writing this letter to reiterate the existing instructions in Government Memo. No. 4265/54-3, Public Ser (D) Department, dated 27-1-1955 and reiterated the same at regular interval of time in letters No. 52636/Per-N/89-2, Personnel & Administrative Reforms (Per-N) Department, dated 29-9-89, 59290/Per-N/93-3, Personnel & Administrative Reforms (Per-N) Department, dated 4-1-94 and 73239/N/96-2, Personnel & Administrative Reforms (N), Department, dated 20-3-1997 which stipulate that the presence of Investigating Officer is absolutely essential at all the sittings of the Enquiry Officer. The reasons for this are as follows:—

- (i) The Investigating Officer's presence at the enquiry should be of assistance to the Enquiry Officer by way of requesting him to elicit certain facts from witnesses under examination and also to mark certain documents as exhibits. He can also suggest whenever a particular witness has to be treated as hostile and cross-examined and also suggest when certain witnesses can be dispensed with.
- (ii) Time can be saved and work done accurately in picking up the correct exhibits, documents, etc with the assistance of the Investigating Officer.
- (iii) The enquiry being an in-house affair, the tendency, if any, on the part of the Enquiry Officer to treat the matter lightly will be prevented when the Investigating Officer is present.
- (iv) The witnesses will be under some sort of fear or control, especially if the accused person is a senior officer. This can be avoided, if Investigating Officer is present.
- (v) At the time of the examination of defence witnesses the Investigating Officer can help the Enquiry Officer to cross examine in the interest of prosecution.
- (vi) Finally, since the departmental enquiry arises out of this Directorate's report this Directorate would like to ensure that the evidence collected by DV & AC is treated with the seriousness, it deserves.

4. However, in reality, the Investigating Officer may be preoccupied with other work. There might even be occasions when an Investigating Officer may absent himself wilfully from the Enquiry Officer's Court. While conceding the need to ensure Investigating Officer's presence at the departmental enquiry, I cannot ignore the difficulties faced by the Enquiry Officer on account of wilful absence of the Investigating Officer.

5. I shall therefore be grateful, if you will—

- (i) reiterate to the Enquiry Officer's the necessity to ensure the presence of the Investigating Officers by giving notice of the date of hearing sufficiently in advance or by determining the hearing date in consultation with the Investigating Officer and
- (ii) at the same time, if an Investigating Officer is found to be deliberately being difficult or obstinate or evasive and does not attend the inquiry proceedings before the Enquiry Officer, inspite of sufficient notice been given to him, please bring such instances immediately to my notice so that I can seek remedy from the DV & AC.

(True Copy)

Yours Sincerely,
Sd/- x x x
Latika D. Padalkar,



Memorandum No. 87440/A18/A182/99-1, (Secretariat Branch), dated 14th January, 2000.

Sub : Travelling Allowance—Air fare claims—Regulation 30 of Tamil Nadu Electricity Board Travelling Allowance Regulations—Clarification—Issued.

Ref : Government's Lr. No. 74957 / All / 99-1, Finance (Allowances) Department, dated 3-11-99.

According to Rule 37 of Tamil Nadu Travelling Allowance Rules, a Government servant authorised by the Government to travel by air may draw the fare paid for the journey by air. Accordingly, the air fare paid by the officers by means of cash are drawn by them in the Travelling Allowance bills and the claims are being admitted.

2. Provisions similar to those in the said rule are contained in Regulation 30 of Tamil Nadu Electricity Board Employees Travelling Allowance Regulations.

3. The Government have now clarified that the Travelling Allowance bills for travel made by purchasing the air tickets through credit card shall also be admitted and payment restricted to the actual fare paid.

4. Following the orders of the Government, the Travelling Allowance Bills for travel made by purchasing the air tickets through credit card shall also be admitted and payment restricted to actual fare paid.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.



Recruitment—Direct Recruitment to the post of Assessor—Non-application of Relaxation of upper age limit—Orders—Issued.

(Per.) B.P. (FB) No. 1

(Administrative Branch)

Dated 18-1-2000.
Thai 4, Pramathi,
Thiruvalluvar Aandu 2031.

READ :

Proposals from Chief Engineer/Personnel.

Proceedings :

As per the existing provision of Tamil Nadu Electricity Board Service Regulation, the qualification prescribed for the post of Assessor is a pass in S.S.L.C./X Std. The age limit in the case of OC and BC is 30 years, MBC/DC 32 years and SC/ST 35 years as on 1st July of the year in which recruitment is made. The above upper age limit shall not apply to the candidates belonging to SC/ST, MBC/DC, BC and destitute widows of all castes **who possess higher educational qualification above the Minimum General Educational Qualification i.e. S.S.L.C./X Std.** (Vide S.R. 91 (d) (i) of T.N.E.B. Service Regulation). Relaxation of age is allowed in the case of Ex-servicemen who have not completed 48 years of age to candidates belonging to O.C. and 53 years in respect of SC/ST, MBC/DC and BC. (Vide S.R. 91 (f) of Tamil Nadu Electricity Board Service Regulation).

2. The above age rules have been prescribed by the Government of Tamil Nadu and are being strictly followed by the Board.

3. The Chief Engineer/Personnel has submitted a proposal that the work of Assessors involves taking of door to door meter reading daily irrespective of the season. It is observed from the past experience that women Assessors above 35 years of age who were appointed in the earlier recruitments have sought for conversion of job subsequently as they are not able to withstand the stress and strains involved in the assessment work. Hence, the aged candidates sponsored by the Employment Exchange if recruited will be a burden and liability to Tamil Nadu Electricity Board and they cannot be useful for the work to which they are proposed to be appointed. It is, therefore, considered that it would be beneficial to the Tamil Nadu Electricity Board if the candidates in general are recruited with the prescribed upper age limit, without any relaxation, **atleast for the post of Assessor**, as detailed below :—

OC/BC	—	30 years
MBC/DC	—	32 years
SC/ST	—	35 years

4. After careful consideration taking into account the arduous nature of work attached to the post of Assessor which may not efficiently be discharged by elderly people, it is ordered that non-application of relaxation of the upper age limit in the matter of recruitment of Assessor post alone be made by fixing the recruitment age as 35 years and below, irrespective of the priority category of the candidates.

(By Order of the Board)

A. Balasubramanian,
Chief Engineer/Personnel,

Establishment—Class IV Service—Thiru P. Elumalai, Marker—Allowing higher scale movement on completion of 10 years of service instead of two increments benefit—Orders—Issued.

Per. B. P. (Ch) No. 5

(Secretariat Branch)

Dated the 18th January, 2000,
Thai 4, Pramathi,
Thiruvalluvar Aandu, 2031.

Read :

- (i) B. P. Ms. No. 288, (SB) dated 3—12—79.
- (ii) (Per.) B.P. (FB) No. 10, (SB) dated 2—2—87.

Proceedings :

According to the orders issued in para-4 of the B.P. first cited, Thiru P. Elumalai, Marker was allowed the benefit of two increments (including the normal increment) on completion of 10 years of service in the ordinary grade on 8—3—94. He has represented that he may be allowed the next higher scale as Selection Grade Scale or to upgrade his post due to lack of promotional opportunity. His request has been examined in detail. It is noticed that the 'Marker' category remains a lone category without a line of promotion. After careful consideration, it has been decided to allow the higher scale movement benefit to Marker category as allowed in the case of Office Helpers. by withdrawing the benefit of two increments.

2. In pursuance of the above decision, it is hereby ordered that Thiru P. Elumalai, Marker, be allowed the higher scale movement in the pre-revised scale of pay of Rs. 1050—30—1200—40—1840 from 8—3—94 by withdrawing the benefit of two increments already allowed to him on that date.

3. Consequent on the orders issued in para-2 above, Thiru P. Elumalai, Marker be allowed fixation of pay in the Selection Grade Scale with reference to the orders in the B P. second cited. He shall be eligible to draw arrears of pay and allowances, if any, consequent on re-fixation of pay with effect from 8—3—94.

4. Consequent on the change of pay and scale with retrospective effect, Thiru P. Elumalai, is permitted to exercise revised option to come over to the Revised Scales of Pay, 1998, if he so desires.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.



Memorandum (Permanent) No. 2270/A22/A221/2000—1, (Sectt. Br.), Dated 19—1—2000.

Sub : Establishment—Issue of Orders on Policy Issues—Chairman's approval—
Instruction—Issued.

Of late it has been brought to the notice of the Chairman that circulars on Policy issues having wide repercussions are being issued by various Officers of the Board without obtaining the approval of the Chairman. This causes embarrassment as well as becomes difficult to the Chairman to justify the rationale of such circulars to the Government, Public as well as Press.

2. All Chief Engineers/Officers of the Headquarters are therefore requested to obtain the approval of the Chairman before issue of such circular instructions dealing with policy issues.

3. The above instructions should be followed scrupulously in future.

4. The receipt of the Memorandum should be acknowledged.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.

Memorandum (Permanent) No. 59482/A23/A231/99—1, (SB), Dated : 19—1—2000

Sub : ESTABLISHMENT—Tottenham System—Procedures to be followed with regard to submission of files—Amendment—Issued.

Ref : (Permanent) B.P. (Ch) No. 175, (SB), dt. 16—7—99.

The following amendment is issued to the B.P. cited :—

AMENDMENT

1. For the entries under the Head Division 'G' (Chief Engineer/Personnel) in the Annexure VI, the following entry shall be added :—

Head of Division (1)	Intermediate Officer (2)	EXISTING DIVISION			PROPOSED	
		Division (3)	Asst. Exe. Engr. (4)	Asst. Engineer (5)	Section Head (6)	Case worker (7)
'G' Chief Engineer/ Personnel		CC. 1	Supdt. 1	Asst. 1	G 59	G 591
		Sec		Asst. 2		G 592

2. For the existing entries under the Head 'K' (Chief Engineer/Projects) the following entry shall be substituted in the place of existing entries in Annexure VII to the B.P. cited —

Head of Division	Intermediate Officer	EXISTING DIVISION			PROPOSED	
		Division	Asst. Exe. Engr	Asst. Engineer	Section Head	Case worker
'K' Chief Engineer/ Projects	Superintending Engineer/ Gas Turbine Schemes	EE/El.	AEE/E 1	AE/E. 1	K 8	K 81
		Dvn. I	AEE/E 2	AE/E. 2	K 9	K 91
		EE/El.	AEE/E. 1	AE/E. 1	K 10	K 101
		Dvn. II	AEE/E. 2	AE/E 2	K 11	K 111
		EE/Mech	AEE/M. 1	AE/M. 1	K 12	K 121
		Dvn. I	AEE/M. 2	AE/M. 2	K 13	K 131
			AEE/M. 3	AE/M. 3	K 14	K 141
			AEE/M 4	AE/M. 4	K 15	K 151
				ADM 1	—	K 152
		Estt.	Supdt. 1	Asst. 1	K 16	K 161
		Sec.		Asst 2	—	K 162
		Asst. 3		K 163		

3. For the entries under the Head Division 'M' (Chief Engineer/Hydro) the case worker No. M 12 shall be modified as M 21. The case worker No. M 11 and Section Head No. M 11 are entirely different from each other and the case-worker number will always be followed by Section Head number.

B. B.—3 (Jan. 2000)

4. For the entries in Annexure-VII under the Head 'N' (Chief Engineer/Research & Development) to the B.P. cited, the following entries shall be substituted in the place of existing entries :—

Head of Division	Intermediate Officer	EXISTING DIVISION			PROPOSED		
		Division	Asst. Exe. Engr.	Asst. Engineer	Section Head	Case worker	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
'N' Chief Engineer/ Research and Development. Member (Distn.)	Superintending Engineer/ Industrial Energy Management Cell -do- Director of Training	EE. 1	AEE/E. 1	AE/E. 1	N 11	N 111	
		Divn.		AE/E. 2	—	N 112	
		EE. 2	AEE/E. 1	AE/E. 1	N 12	N 121	
		Divn.	AEE/E. 2	AE/E. 2	N 13	N 131	
		EE/Tf. I	AEE/E. 1	AE/E. 1	N 14	N 141	
		Dvn.	AEE/E. 2	AE/E. 2	N 15	N 151	
		Estt.	Supdt. 1	Asst. 1	N 16	N 161	
		Sec.					
		EE. 3	AEE/E. 1	—	N 17	—	
		Divn.	AEE/E. 2	—	N 18	—	
		Estt.	Supdt. 1	Asst. 1	N 19	N 191	
		Sec.		Asst. 2	—	N 192	
				Asst. 3	—	N 193	
				AEE/E. 1	Asst. 4	N 20	N 201
				AEE/E. 2	Asst. 5	N 21	N 211
			Asst. 6	—	N 212		
			H.D.M.	—	N 213		
			S.D.M.	—	N 214		
		Estt.	P.A./U. II	Asst. 1	N 22	N 221	
		Sec.		Asst. 2	—	N 222	
				Asst. 3	—	N 223	

(N 223 is under the control of Section Heads N 20, N 21 and N 22, N 213 and N 214 are under the dual control of Section Heads N 20 and N 21).

5. For the entries under the Head Division 'Q' (Chief Engineer/Planning) in Annexure VII, the following entry shall be substituted below Executive Engineer/R.E. Division—II :—

Head of Division	Intermediate Officer	Existing Division			Proposed	
		Division	Asst. Exe. Engineer	Asst. Engineer	Section Head	Case Worker
'Q'	Superintending	EE/RE.	AEE/E 1	—	Q 23	—
Chief Engineer/ Planning	Engineer/Rural Electrification & Improvement (Distribution)	III Dvn. III				

G. Gnanaselvam,
Secretary.



Memo. No. 59894-A32/A322/99—3, (Accounts Branch), Dated 19—1—2000.

Sub : Tamil Nadu Electricity Board—Disbursement of Pay and Allowances for the month of December 1999 to Board Employees in Kanyakumari Elec. Distn. Circle—Paid on 23—12—99—Ratification—Orders Issued.

- Ref :**
1. Memo. No. 59894/A32/A322/99—1, dt. 17—12—99.
 2. From the SE/Kanyakumari EDC Lr. No. AAO/Cash/A5/D623/99, dated 16—12—99.
 3. From the SE/Kanyakumari EDC Lr. No. AAOII/Cash/A1/D626/99, dated 28—12—99.

The action of the Superintending Engineer/Kanyakumari Electricity Distribution Circle in having disbursed the Pay and Allowances to Board employees for the month of December'99 on 23—12—99 instead of 24—12—99 in anticipation of Board's orders is ratified.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary



Circular Memo. No. 006129/38/G. 42/423/2000, (Adm. Branch), dated 21—1—2000.

Sub : Labour—Agitation during working hours—instructions—Reg.

It is seen that some of the Unions/Associations have organised Dharna, Gate meeting and strike etc., after placing so many demands during working hours.

All the section heads/controlling Officers in Headquarters Office are requested to check up whether any participants are going to participate during office hours. If so, necessary action may be taken as per the guidelines already issued in this regard.

A. Balasubramanian,
Chief Engineer/Personnel.

TRAINING—Tamil Nadu Electricity Board—Training to Section Officers of Board Office Secretariat Branch and Superintendents of Administrative Branch in various areas of Board—Orders—Cancelled—Orders—Issued.

Permanent B.P. (Ch.) No. 9

(Secretariat Branch)

Dated 22—1—2000.

Thai 8, Pramathi,

Thiruvalluvar Aandu 2031

Read :

1. B.P. Ms. (FB) No. 84, (SB) dt. 16—10—'85.
2. B.P. Ms. (FB) No. 68, (SB) dt. 14—8—'87.
3. (Per.) B.P. (FB) No. 91 (SB) dt. 4—12—'97.

Proceedings :

In the B.P. first cited, orders were issued introducing the Training Scheme as obtained in the Government of Tamil Nadu to impart training to the Section Officers of Board Office Secretariat Branch and Superintendents of Board Office Administrative Branch in various areas of the Board. Consequent, on the reduction of training programme from 40 weeks to 30 days, the matter of continuing the training programme was examined in detail. As far as the Section Officers of Board Office Secretariat Branch and Superintendents of Board Office Administrative Branch are dealing with policy matters and administrative subjects, the field-knowledge acquired in 30 days in Accounts and Technical Wings will not be of much use for day today Administrative matters. Hence, it has been decided that the training imparted to them need not be continued further.

2. Accordingly, it is hereby ordered that the training programme to the Section Officers of Board Office Secretariat Branch and Superintendents of Board Office Administrative Branch be withdrawn with immediate effect.

3. Necessary Amendment to Tamil Nadu Electricity Board Service Regulations will be issued separately.

4. The receipt of this order should be acknowledged.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.



Memorandum (Permanent) No. 85737/A23/A232/99—1. (Secretariat Branch), Dated : 22—1—2000

Sub : Establishment—Training of Section Officers of Board Office Secretariat Branch and Superintendents of Administrative Branch in various areas of Board—Eligibility of joining time—Orders—Issued.

- Ref :**
1. B.P. Ms. (FB) No. 84, (SB) dt. 16—10—'85.
 2. B.P. Ms. (FB) No. 68, (SB) dt. 14—8—'87.
 3. Board's Memo. No. 30541/O&M Cell/88—1, dt. 2—6—88.
 4. (Per.) B.P. (FB) No. 91, (SB) dt. 4—12—97.

In the references first and second cited, the scheme of training programme as obtained in Government of Tamil Nadu was introduced to impart training to Section Officers of Board Office

Secretariat Branch and Superintendents of Board Office Administrative Branch. Initially, the period of training was 40 weeks. Later, it was reduced to 12 weeks. In the reference fourth cited, on a further review, the period of training was reduced to 30 days. When the training period was 12 weeks, orders were issued in the reference third cited that the Section Officers of Board Office Secretariat Branch and Superintendents of Board Office Administrative Branch should be allowed a joining time of 6 days totally inclusive of holidays, if they proceed from Chennai City to the Officers of the Regional Chief Engineers outside Chennai City.

2. Consequent, on the reduction of the training period from 12 weeks to 30 days, no further orders were issued regarding the eligibility of joining time.

3. On a detailed examination, it is hereby ordered that Section Officers of Board Office Secretariat Branch and Superintendents of Administrative Branch be allowed the joining time actually required for the journey to and from the place of training. It is also ordered that the joining time of 6 days already availed by the Staff on or after 4-12-97 may be withdrawn and excess days of joining time, if any, availed by them may be debited from their Earned Leave account.

4. The receipt of this Memorandum should be acknowledged.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.



Letter No. 87451—A19/A192/99—1, (Secretariat Branch), dated 24—1—2000.

Sub: Pension—Medical Allowance to pensioners / family pensioners drawing more than one pension—Certain clarification—Issued.

Ref: Government letter No. 15596/Pension/99—1, dated 22—9—1999.

I am to issue the following clarifications in regard to the eligible amount of Medical Allowance (Rs. 50/-) payable to pensioners who are drawing more than one pension, family pensioners drawing divisible pension and those who are drawing ex-gratia payment:—

Points raised	Clarification
(i) In the case of those pensioners who are in receipt of two pensions viz. service pension and another family pension or military pension and another civil pension, to which category of pension, medical allowance of Rs. 50/- shall be allocated.	If any pensioner or family pensioner receives two pensions, only single medical allowance at Rs. 50/-per mensem is admissible.
(ii) In case, if family pension is being shared by two family pensioners i.e. two widows, whether the fixed medical allowance permissible should be granted @ Rs. 25/- to each of the two widows.	Where the family pension is shared by two widows, the same criteria may be adopted as in the case of drawal of dearness allowance i.e. medical allowance will be divided equally.
(iii) Whether the beneficiaries of exgratia amount are entitled to medical allowance or not.	The beneficiaries of ex-gratia amount are not entitled to medical allowance as they are not treated as Board's Pensioners / Family Pensioners.

2. The receipt of the letter may be acknowledged.

G. Gnanaselvam,
Secretary.

Labour—Tamil Nadu Electricity Board—Revision of Work Allocation and Staff Pattern—Computerisation of Revenue Accounting and Cash Collection—Orders—Issued.

(Permanent) B.P. (FB.) No. 6

(Secrett. Branch)

Dated 25th January, 2000.
Thai 11, Pramathi,
Thiruvalluvar Aandu 2031.

Read :

- (1) (Per) B.P. (FB) No. 5 (SB) dated 25—1—94.
- (2) (Per) B.P. (FB) No. 52, (SB) dated 30—7—96.
- (3) (Per) B.P. (FB) No. 58, (SB) dated 18—7—98.

Proceedings :

In pursuance of the Memoranda of Settlement dated 31—12—1993 and 19—1—1994 reached between the Tamil Nadu Electricity Board and its workmen, orders were issued in the Board's Proceedings first cited, revising the scales of pay, dearness allowance, house rent allowance, city compensatory allowance, special pays, other allowances, work allocation and staff pattern in the Tamil Nadu Electricity Board with effect from 1—12—1992. The settlements dated 31—12—1993 and 19—1—1994 were effective for a period of four years from 1—12—1992 to 30—11—1996.

2. In the Board's proceedings second cited, the Board constituted a Committee, consisting of certain Members and Officers of the Board, to hold negotiations with the unions for revision of scales of pay, special pays, allowances, work allocation and staff pattern to be effective from 1—12—1996. After negotiations, Memoranda of Settlement under Section 18(1) of the Industrial Disputes Act, 1947, agreeing to certain proposals on revision of scales of pay, rates of dearness allowance, house rent allowance, city compensatory allowance, special pays and other allowances were signed on 8—7—1998 by the Tamil Nadu Electricity Board with the representatives of the following Unions :

- i) Tamil Nadu Electricity Workers' Federation.
- ii) Tamil Nadu Electricity Board Accounts & Executive Staff Union.
- iii) Tamil Nadu Electricity Board Workers' Progressive Union (LPF).
- iv) Central Organisation of Tamil Nadu Electricity Employees (C.O.T.E.E.)
- v) Tamil Nadu Minvariya Janatha Thozhilalar Sangam.
- vi) Tamil Nadu National Electricity Workers Federation (I.N.T.U.C.) (Three Groups).
- vii) Tamil Nadu Electricity Board Engineers' Sangam.
- viii) Tamil Nadu Electricity Employees Congress (NLO).

3. In pursuance of the Settlement dated 8—7—98, referred to in para-2 above, negotiations were continued from August 1998 to October 1999 with the representatives of the workmen who are all party to the above settlement, on the revision of work allocation and staff pattern in the following areas covered by the previous settlement on work allocation and staff pattern :—

- i) Field staff of O&M Distribution Circles.
- ii) Revenue accounting staff in Distribution Circles.
- iii) Assessment and Collection staff in Distribution Circles.
- iv) Stores staff.

Based on the discussions with the Unions a draft settlement on Revision of Work Allocation and Staff Pattern including relaxation of qualification for promotion in R.W.E categories and computerisation.

of Revenue accounting and Cash collection was communicated on 6—10—99 for their concurrence. As requested by the Unions further discussions were also held on 16—10—99.

4. In the meantime, the T.N.E.B. Thozhilalar Ayykkiya Sangam, a registered Union, which was also a party to the Wage Settlement dated 8—7—98, as an affiliate to Tamil Nadu National Electricity Workers' Federation (INTUC) (Ethirajulu Group) and participated in the negotiations that were continued thereafter has filed a W.P. No. 17292/99 and during 10/99 obtained an interim injunction in W.M.P. No. 25106/99 restraining the Board from holding negotiation or signing any settlement or minutes of understanding relating to service conditions of workmen employed by the Tamil Nadu Electricity Board without discussing the same with petitioner union pending disposal of the above writ petition No. 17292/99.

5. As per the said directions of the Hon'ble High Court in its order dated 26—10—99 in W.M.P. No. 25106/99, the Board also held discussions with the T.N.E.B. Thozhilalar Ayykkiya Sangam on 29—12—1999 on the draft settlement on Revision of Work Allocation and Staff Pattern including relaxation of qualification for promotion in R.W.E. categories and computerisation of Revenue accounting and cash collection proposal as a package.

6. The Unions which are agreeable to the terms in the draft settlement have insisted for early signing of settlement and issue of orders thereon, as promotions in large number of vacancies are pending in the field. In difference to the above request and in order to seek the co-operation of the Unions representing majority of the workmen for implementing the measures needed to enhance the consumer satisfaction in the larger interest of the organisation, a Memorandum of Settlement under Section 18(1) of the Industrial Disputes Act 1947 on revision of Work Allocation and Staff Pattern, computerisation of Revenue accounting and cash collection and relaxation of qualification for promotion in R.W.E. categories were signed on 25th January 2000 by the Tamil Nadu Electricity Board with the representatives of the following Unions :—

- (i) Tamil Nadu Elec. Workers' Federation.
- (ii) Tamil Nadu Elec. Accounts & Executive Staff Union.
- (iii) Tamil Nadu Elec. Board Workers' Progressive Union: (TMTM)
- (iv) Tamil Nadu Elec. Board Janatha Thozhilalar Sangam.
- (v) Tamil Nadu National Elec. Workers' Federation (INTUC).
(Swarnaraj Group)
- (vi) Tamil Nadu National Elec. Workers' Federation (INTUC).
(Ethirajulu Group)

7. In pursuance of the settlement dated 25th January 2000, referred to in para-6 above, the Tamil Nadu Electricity Board passes the following orders :—

(i) The existing work allocation and staff pattern of field staff in distribution circles, Revenue accounting staff, Assessment and collection staff and stores staff as per settlement dated 31—12—93/19—1—94 will be continued subject to the changes ordered hereunder, till 31—12—2000 or till a new settlement on Workload Revision is reached, whichever is later.

(ii) In Fuse Of Call Centres, future arising vacancies in the post of Telephone Operators will be filled up with Commercial Assistants only.

(iii) The number of sections, sanctioned based on review as on 1—1—1997 will be freezed until a new work load settlement effective from 1—12—2000 is reached.

(iv) There will be no more review as on 1—1—98, 1—1—99 and 1—1—2000 as per the Settlement dated 31—12—93/19—1—94, for sanction of (a) field posts (RWE) in the Distribution Circles, (b) Revenue accounting staff in distribution circles (c) Assessment and Collection staff in Distribution Circles and (d) Stores staff till a new Wages/Workload settlement effective from 1—12—2000 is reached.

(v) Changes in the existing procedure of Assessment and Collection of current consumption charges will be brought with the already agreed norms of workload, after which the need for additional posts will be considered.

(vi) The enhanced norms for the Assessors indicated in the Settlement dated 31—12—93/19—1—94 and made effective from 1—1—97 in Board's Memo. (Per) No. 28876/C1/95—30, dated 6—7—99 shall be continued till a revised procedure of Assessment and collection of current consumption charges is introduced.

(vii) Computerisation of revenue accounting and cash collection will be introduced in convenient phases keeping in view the ultimate objective of better consumer satisfaction. Computers will be initially introduced in selected Division Offices and cash collection centres as a trial measure. The results will be analysed and discussed with the unions to evolve and adopt (i) staff pattern and worknorms in Division Offices and (ii) worknorms for assessment and cash collection staff. During the trial period where computerisation is being implemented, the staff pattern and worknorms in the selected particular Division Offices/Cash collection centres may be kept flexible as is considered suitable and necessary. The staff pattern and worknorms for the Revenue accounting and Assessment and Cash collection staff that will be finalised based on the results of the trial measure undertaken in selected Division Offices/Cash collection centres will be implemented stage by stage and the surplus staff will be redeployed. The functions of the remaining Division Offices, in stages, will be computerised as per the availability of hardware being procured. In the other Division Offices/cash collection centres, till such time Computers are introduced, the existing worknorms and staff pattern will continue.

(viii) The Financial Controller/Revenue will be the Nodal Officer to co-ordinate the existing methods and procedures and the computerisation activities and for collection, compilation and collation of data for discussion with the Unions.

(ix) The existing Line Inspectors in the Distribution Circles shall be considered for further promotion to higher posts of Foreman I Grade as per the existing orders in (Per) B.P. (Ch) No. 212 (SB) dated 6—8—91 which provides that the qualification once relaxed will hold good for future promotion also if there is no change in the qualification and experience. In the case of existing Wireman with lesser qualification specified for the post of Line Inspector, Board will relax the educational qualification requirement only and promote such Wireman subject to their fulfilling other requirements, till the Settlement dated 25—1—2000 is in force. However, all such promotions relaxing the qualification shall be subject to the ultimate orders of the Hon'ble High Court in W.P. No. 13225/99 filed by T.N.E.B. Thozhilalar Aykkiya Sangam, as per orders of the Hon'ble High Court dated 11—10—99 in W.M.P. No. 18977/99 in W.P. No. 13225/99 appended to this Board's Proceedings. All Superintending Engineers shall therefore take note of the above directions of the Hon'ble High Court and issue orders of promotion subject to the conditions as laid down therein.

(x) The existing surplus/supernumerary posts in the distribution circles shall be adjusted in the earliest arising vacancies due to promotion/retirement/death.

(xi) Apart from the changes indicated in the preceding paragraphs, the other provisions in the Settlement dated 31—12—93/19—1—94 and the orders already issued in (Per) B.P. (FB) No. 5 (SB) dated 25—1—94 and the subsequent instructions issued thereon with regard to work allocation and staff pattern will remain unchanged.

(xii) Further sanction of work load posts based on the workload on 01—01—2001 will be considered as per the new Wage Revision/Work Load settlement to take effect from 1—12—2000 and till such time the position agreed to in the Settlement dated 25—1—2000 will continue.

(By Order of the Board)

Encl. :

G. Gnanaselvam,
Secretary.

Encl :

APPENDIX

EXTRACTS OF THE ORDERS OF THE HIGH COURT DATED 11—10—1999

W. M. P. No. 18977/99 In W. P. No. 13225/99.

W. M. P. NO. 18977 of 1999

In

W. P. No. 13225 of 1999

Tamil Nadu Electricity Board
Thozhilalar Aykkiya Sangam
rep. by its General Secretary,
R. Manoharan, 33, Balaji Nagar,
2nd street, Royapettah. Chennai-4.

Petitioner
(Petitioner in W.P.No. 13225/99 on the
file of this Court).

Vs.

1. Tamil Nadu Electricity Board
rep. by its Chairman,
800, Anna Salai. Chennai-2.
2. The Chief Engineer (Personnel)
Tamil Nadu Electricity Board,
800, Anna Salai, Chennai-2.

Respondents
(Respondents in —do—)

Petition praying that in the circumstances stated therein and in the affidavit filed therewith the High Court will be pleased to issue an order of injunction restraining the respondents from considering and promoting the unqualified Line Inspectors/Upgraded under B.P. (FB) No. 120 (Secretariat Branch) dated 20—12—1994 to the post of Foreman Grade I by relaxing the educational qualification as represented by the petitioner Association in their representation dated 14—07—1999 pending disposal of the above Writ Petition presented to this Court under Art. 226 of the Constitution of India to issue writ of mandamus for, bearing the respondents from considering and promoting the unqualified Line Inspector upgraded under B P. (FB) No. 120, Secretariat Branch dated 20—12—94 to the post of Foreman Grade I by relaxing the educational qualification as represented by the petitioner's Association in their representation dated 14—07—1999.

ORDER :

This Petition coming on for orders upon perusing the petition and the affidavit filed in support thereof and upon hearing the arguments of Mr. S. Elamurugan, Advocate for the petitioner and notice has been sent to the respondents either served or not the Court made the following Order:

The petitioner seeks for an order of injunction restraining the respondents from considering and promoting the unqualified Line Inspectors/Upgraded under B P. (FB) to the post of Foreman Grade I, by relaxing the educational qualification.

Once relaxation is granted it is for the petitioner to challenge the same. Any promotions effected is subject to the ultimate orders in the writ petition. The respondent is directed to indicate the same in all order of promotion that may be passed by the respondent. Such promotions can be given effect, if the individual is qualified and if there is a valid relaxation. With the above observation W.M P. is dismissed.

(Sd./—) V. Chandra Mohan,
Assistant Registrar (Records)

(True Copy)

B. B.—4 (Jan. 2000)

Memorandum No. 73147/A18/A182/99—1, (Sectt. Br.), Dated 27th January 2000.

Sub : Deputation—Deputation of Government Servants of Foreign Service—Revised classification under the new pay structure for the purpose of Travelling Allowance and the revised rate of daily allowance—Orders issued by the Government—Communicated.

- Ref :** 1) (Per.) B P. (FB) No. 25 (Sectt Br.) dated 16—5—95.
2) Board's Memo. No. 1165/P1/96—1 dt. 20—6—96.
3) G.O. Ms. No. 444 Finance (Pay Cell) Dept., dated 31—8—98.

In continuation of the Board's reference cited, a copy of Government Order 3rd cited is communicated. The said orders shall apply to the Government Servants who are on deputation in the Board.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.

Encl :

Copy of G.O. Ms. No. 444, Finance (Pay Cell) Deptt. Govt. of Tamil Nadu addressed to all Secretaries to Govt. and among others.

Travelling Allowance—Recommendations of the Official Committee (1998)—Orders—Issued.

READ :

1. G.O. Ms. No. 666, Finance (PC) Department, dt. 27—6—89.
2. G.O. Ms. No. 414, Finance (PC) Department, dt. 31—7—97.
3. G.O. (Ms) No. 162, Finance (PC) Department, dt. 13—4—98.
4. Govt. Finance Department, Lr. No 38912/PC—II/98—1, dt. 11—6—98.

ORDER :

The Official Committee constituted in the Government Order second read above which examined the existing scheme of Travelling Allowance, Fixed Travelling Allowance and Conveyance Allowance has recommended :

- i) enhancement of daily allowance.
- ii) enhancement of lumpsum grant payable under transfer travelling allowance.
- iii) enhancement of fixed travelling allowance; and
- iv) enhancement of conveyance allowance.

2. The Government has examined the above recommendations of the Official Committee (1998) and pass the following orders :—

(i) The revised classification of Government servants under the new pay structure for the purpose of Travelling Allowance and the revised rates of daily allowance shall be as detailed below :—

Sl. No.	Grade	Revised Pay range	Enhanced rates of Daily Allowance
(1)	(2)	(3)	(4)
1.	I	Employees drawing a pay of Rs. 10,000/- and above	Rs. 100/-
2.	II	Employees drawing a pay of Rs. 5,000/- and above but below Rs. 10,000/-	Rs. 75/-

(1)	(2)	(3)	(4)
3.	III	Employees drawing a pay of Rs. 3,050/- and above but below Rs. 5,000-	Rs. 50/-
4.	IV	Employees drawing a pay below Rs. 3,050/-	Rs. 40/-

- (ii) Daily Allowance shall be allowed at double the rate for stay in Chennai City.
- (iii) Journeys of the Government Servants by Air or Rail shall be regulated as ordered in the Government letter fourth read above.
- (iv) In respect of Terminal Charges paid at flat rates for journeys between residence or place of halt or work and Railway Station or bus terminal, the existing rates shall continue in the revised pay structure.
- (v) Lumpsum grant payable under Transfer Travelling Allowance shall be as indicated below :—

Sl. No.	Grade of Employees	Transfer between stations at a distance beyond 8 Kms., but below 60 Kms.	Transfer between stations at a distance beyond 60 Kms.
(1)	(2)	(3)	(4)
1.	I	Rs. 600/-	Rs. 1,200/-
2.	II	Rs. 450/-	Rs. 950/-
3.	III	Rs. 300/-	Rs. 650/-
4.	IV	Rs. 150/-	Rs. 350/-

- (vi) the existing quantum of Fixed Travelling Allowance shall be doubled.
- (vii) the existing quantum of Conveyance Allowance shall be doubled.

3. Consequent on increase on the Basic Pay by more than three times and taking note of the increase in Daily Allowance ordered above, the existing monthly ceiling on Travelling Allowance shall be reduced from 40% to 20% of revised pay. Wherever the existing ceiling is 45% of pay, it shall be reduced to 25% of revised pay.

4. These Orders shall take effect from 1—9—98.
5. These orders shall apply to Government Employees and Employees under Local Bodies.

(By Order of the Governor)

Girija Vaidhyanathan,
Special Secretary to Government.

(True Copy)

Encl. :

Copy of Govt., Finance (PC. II) Department, Secretariat, Chennai-9 letter No. 38912/PC. II/98—1 dated 11—6—1998.

Sub : Travelling Allowance—Revised classification of Government Servants under the new pay structure—Orders—Issued.

Ref : G.O. Ms. No. 162, Finance (PC) Department, dt. 13—4—98.

In the reference cited, orders were issued revising the scales of pay of the Government Employees and Teachers. The revised grades for the purpose of Travelling Allowance and Daily

Allowance will be as indicated below :—

Grade	Revised Pay Range
I	Employees drawing pay of Rs. 10,000 and above.
II	Employees drawing Rs. 5,000 and above but below Rs. 10,000.
III	Employees drawing Rs. 3,050 and above but below Rs. 5,000.
IV	Employees drawing below Rs. 3,050.

2. Journey of Government Servants by Air or Rail shall be regulated as shown below :—

Grades	Eligibility
Grade—I	
(a) Employees with a basic pay of Rs. 15,000/- or more (including officers of All India Services) serving in the State	Air or Air-conditioned First Class by Rail irrespective of whether the journey is within or outside the State.
(b) Employees with a basic pay of Rs. 10,000/- or more (including officers of All India Services) serving in the State	(i) Air journey outside the State. (ii) First Class or Air-conditioned Second Class by Rail for journey within or outside the State.
Grade—II	First Class by Rail
Grade—III and IV	Second Class by Rail

The existing rates of daily allowance, conveyance allowance, fixed travelling allowance, lumpsum, transfer grant etc. shall be continued in the revised pay structure until further orders.

The above orders shall take effect from 1st April, 1998.

(True copy)



Allowances—Joint Sampling done by Junior Chemists of Tamil Nadu Electricity Board at Haldia, Paradip and Vizag Posts—Sanction of Special Allowance—Further orders—Issued.

(Per.) B. P. (CH) No. 14 (Secretariat Branch)

Dated : 29th January 2000
Thai 15, Pramathi,
Thiruvalluvar Aandu-2031.

Read :

(Per) B.P. (FB) No. 78 (SB) dated 30—10—92.

Proceedings I

It is hereby ordered that the 'Special Allowance' of Rs. 30/- (Rupees Thirty only) sanctioned in para—2 of (Per) B.P. (FB) No. 78 (SB) dated 30—10—92 the Junior Chemists who are being deputed from Ennore Thermal Power Station to Vizag Fort in addition to the normal daily allowance admissible as per rules shall be paid to the Junior Chemists from North Chennai Thermal Power Station also when they are deputed to Vizag Port, as a Special Case.

2. The above orders shall take effect from 1st December, 1999.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.

Memorandum (Permanent) No. 95565/A18/A181/99—1, (Sectt. Branch) dated 31st January 2000.

Sub: Establishment—Tamil Nadu Electricity Board—Vigilance Cases—
Framing of charges by the Heads of Offices—Sending of copies to
D.V. & A.C. for vetting—Instructions—Issued,

Ref: (i) Board's Endt. No. 10477/SS1/92—1, dt. 7—3—92.

(ii) From Secretary to Govt./Energy Dept., Lr. No, 10434/B2/99—1,
dated 18—11—99.

In the reference first cited detailed instructions of the Government P & AR (Per-N) Department in letter No. 44581/90—13 dated 17—2—92 were communicated to all officers of the Board to follow the instructions in sending copies of letter/show cause notice, charge Memorandum issued to the accused officers based on the reports/recommendation of the D.V. and A.C. for vetting.

2. In continuation of the above instructions, a copy of the letter dated 18—11—99 in the reference second cited is communicated to all Officers of the Board for strict adherence of the instructions contained therein. Any violation of the above instructions will be viewed seriously,

3. Receipt of this Memorandum should be acknowledged.

G. Gnanaselvam,
Secretary.

Encl :

Copy of Govt./Energy Department, Secretariat, Chennai-9 letter No. 10434/B2/99—1 dt. 18—11—99.

Sub: Public Servants—Vigilance cases—Framing of charges by the Heads of
Departments—Sending of copies to DV & AC for vetting—Regarding.

I am directed to state that as per para 112 of the DV & AC, Manual the Departmental Disciplinary Authorities are required to send the draft charges to the DV & AC for vetting thereby enabling the DVAC to examine such papers and set right at that stage itself any lacuna noticed and in the charges framed thus avert the damage likely to be caused by pursuing a faulty or defective charge memo. in a departmental enquiry.

2. I am also to state that an instance has come to the notice of the Vigilance Commissioner that a copy of charge memo. framed against an Accused Officer has been sent to the DVAC for reference. But the intention putforth in the para is that charge memo. has to be vetted by the DVAC and returned to the Disciplinary Authorities within the specified date. This has not been pointed out in the above instant case.

3. I am, therefore, to request you to ensure that charge letters/memos. are sent to DV & AC for vetting and return within the specified date. Any violation of the above instructions will be viewed seriously.

4. The receipt of this letter may be acknowledged early.

(True Copy)

FINANCE

PART-III Finance

Pongal Festival 2000—Pongal Prize amount to Pensioners/family pensioners of the Board—Sanctioned—Orders—Issued.

(Permanent) B.P. (Ch) No. 3

(Secretariat Branch)

Dated 14th January 2000
Margazhi 30, Pramathi,
Thiruvalluvar Aandu 2030.

READ :

1. (Per.) B.P. (Ch) No. 291 (SB) dated 30—10—1999.
2. (Per.) B.P. (Ch) No. 292 (SB) dated 30—10—1999.
3. Government Order Ms. No. 4, Finance (Pension) Department dated 5—1—2000.

Proceedings :

The Government of Tamil Nadu in their Government Order third cited have sanctioned a lumpsum Pongal Prize amount of Rs. 150/- (Rupees one hundred and fifty only) to all pensioners including adhoc pensioners of all categories and family pensioners of Government, subject to certain conditions specified in the above Government Order.

2. The Tamil Nadu Electricity Board after careful consideration has decided to adopt the said orders to the existing pensioners/family pensioners of the Board also. The Tamil Nadu Electricity Board hereby sanctions a lumpsum Pongal Prize amount of Rs. 150/- (Rupees one hundred and fifty only) to the existing pensioners and family pensioners of the Board.

3. The Pongal Prize amount will not be admissible to those employees who retire on or after the date of these orders and to the family of those employees who die in harness on or after the date of these orders.

4. (i) Pensioners/Family Pensioners who were paid Bonus/lumpsum ex-gratia amount as per the orders issued in the Board's Proceedings cited are not eligible for the Pongal Prize amount.

(ii) Family Pensioners who have been appointed on compassionate grounds, and who have been paid Bouns/lumpsum ex-gratia amount for the Accounting year 1998 - 1999 as applicable to the employees in service will not be eligible for the Pongal Prize amount.

5. For the above purpose, the pension sanctioning authorities are requested to obtain a Certificate of non-drawal of Bonus/Ex-gratia for the accounting year 1998—1999 from the pay disbursing officer who disbursed Bonus/Ex-gratia for the accounting year 1998—1999 and to forward it along with the application for grant of Pongal Prize amount of Rs. 150/- (Rupees one hundred and fifty only) to the Chief Internal Audit Officer/Audit Branch for authorisation of Pongal Prize amount due for the year 2000 to the nominated branches of the Indian Overseas Bank.

6. The receipt of these orders should be acknowledged.

(By Order of the Chairman)

G. Gnanaselvam,
Secretary.

TECHNICAL

PART-IV Technical

Memorandum No. ACE/IEMC/EE3/AEE2/V. 40/D. 2/99, (Techl. Br.) Dt. 3—1—2000.

Sub : Electricity—Proposal of extension of Power supply to additional loads in existing free supply category agricultural service connection under SFS—Reg.

Ref : Circular Memo. No. ACE/IEMC/EE3/AEE2/V. 40/D. 715/99, Dated 8—10—99.

As the Hon'ble Chief Minister has announced a reduction in the deposit amount from Rs. 25,000/- to Rs. 10,000/- in respect of Farmers requesting additional load under SFS, it is informed that the additional load in the existing agricultural services now availing under free supply category may be effected on payment of Rs. 10,000/- irrespective of the expenditure to be incurred by Board. Once the additional load is effected, the additional load effected alone has to be charged at the Tariff applicable as per Terms and Conditions of SFS. No additional load shall be effected under free supply category hereafter.

Further, it is informed that the cut-off date of 31—12—99 announced in the circular dated 8—10—99 cited under reference to disclose the unauthorised additional load by the agriculturist themselves under SFS voluntarily may be extended up to 31—1—2000. From 1—2—2000 onwards the Tamil Nadu Electricity Board will carryout surprise inspections in the existing agricultural services.

In any unauthorised additional load is detected during such inspection, then the additional load will be brought under SFS.

Such consumers will have to pay Rs. 10,000/- towards the additional load along with the compensation charges for the violation of connecting the unauthorised additional load as per Terms and Conditions of supply.

Other instructions issued in the circular cited under reference holds good.

R. Poornalingam,
Chairman.



Circular Memo. (Per.) No. CE/CD/SECD/E2/A2/Civil Works/Quality/D. 1 (T.B.), dt. 3—1—2000.

Sub : CIVIL WORKS—Construction & Maintenance—Achieving Quality—
Ways and Means.

1. The importance of usage of standard quality construction materials and resorting to quality workmanship in construction and maintenance activities of civil works in order to achieve desired quality needs no introduction.
2. A copy of note suggesting various ways and means to achieve quality, approved by the chairman is communicated for information, and scrupulous adoption.
3. In addition to the above, check lists indicating important points to be paid attention/consideration to proceed with various types of works such as Earth work, Concreting, Brick work etc. are sent for guidance and adoption in the day to day construction activities.
4. It is requested that all concerned may be directed to strictly enforce the various ways and means suggested and points indicated in the check lists, without giving any room for compromise and lapses, with the sole aim of achieving desired standard/quality and also make the structure aesthetic and endure its full life span.
5. The receipt of this circular memo. & enclosures may be acknowledged to the Chief Engineer/Civil Designs, Chennai-2.

(By Order of the Chairman)

Encl : Copy of note approved by
Chairman dt. 22—12—99
Check lists (1 set)

V. Murugesan,
Chief Engineer/Civil Designs.

Encl. :

Copy of:

TAMIL NADU ELECTRICITY BOARDOffice of the Chief Engineer/Civil Designs
Chennai—2.**Note to Chairman :**

Sub : Civil works—Construction and maintenance—achieving required quality—
Ways and means.

1. The Chairman in the recent Inspection Note No. 8/99, dt. 5—11—99 has expressed displeasure about the quality of materials and workmanship and opined that various measures have to be taken to improve the quality of civil construction.
2. In this regards following points are submitted for perusal :—
 - 2.1. The major factors influencing the quality are Material, Machine and Men.
 - 2.1.1. The required quality can be achieved by :—
 - (i) Procurement of construction materials of required standards.
 - (ii) Deploying & maintaining, machineries, tools and plant in good working condition.
 - (iii) Adopting proper construction management by Dedication, Devotion and Determination of the men deployed by the contractor and by supervisory/Inspecting staff of the department and
 - (iv) Motivating the persons deployed about the importance of the quality.
 - 2.2. Various norms, specification and guide lines are stipulated in the tender specification and the same are adequate to get the materials and workmanship of required standards.

Compromising inadvertently on any one of the items referred to in para. 2.1 by any one leads to sacrifice of quality. Very strict enforcement of stipulations made is required and has to be resorted to achieve the desired standard and Reliable quality.
 3. Following measures are proposed to achieve and maintain desired quality :—
 - 3.1. There must be commitment for quality at all levels. Quality must become culture. This is to be motivated to the persons concerned with the work.
 - 3.2. Bids are invited to be based on pre-qualification. Capable, qualified quality conscious contractor has to be selected more judiciously. Un-workable tender should be rejected.
 - 3.3. The contractor has to be made to bear in mind that quality assurance is vital not only to fulfil the contractual obligation but also to secure due place in the department.
 - 3.4. On award of contract the Executive Engineer/Superintending Engineer is to get the details regarding the quarry, kiln etc., from where the contractor proposes to bring sand, metal bricks etc., and the materials shall be tested from the reputed laboratory.
 - 3.5. The Engineer incharge of the work should insist the contractor to bring :—
 - (a) Materials of required standard and adequate quantity. Quality is to be checked and tested. After satisfying the quality and ensuring the adequacy of construction material available, the contractor should be permitted to use the material and proceed with the work programmed.
 - (b) Experienced labour :
 - (c) Tools and plant, machine etc., in good working condition.
 - (d) Correctly calibrated measuring equipment machine etc..

- 3.6 Testing laboratory should be established in Project site, in Major Thermal Stations and in Regions.
- 3.7 Specific officer/Engineer in the organisational set up should be made responsible for quality verification and as Investigator. The wing should be made independent. For this, Technical Audit wing may be strengthened at Zonal level, spreading over Tamil Nadu. They should conduct checks / Inspections / Mock exercise to ensure quality, and whether the work is carried out as per guidelines. This exercise should be done from the commencement of work till completion at intervals.
- 3.8 Supervisory staff/Engineers shall be deputed for Training Workshop, Seminars etc. to understand the content of specification, guidelines and also the importance of quality.
- 3.9 Where quality must be suitable and achievable for the purpose for which a work item is being done, this must be built up in the specification at the design stage.
- 3.10 Important items of work such as foundation, beam, slab concreting etc. shall be carried out in the presence of Executive Engineer with enough staff. Availability of adequate supervisory staff is to be ensured to supervise the work.
- 3.11 Testing strategy is to be evolved on the basis of recurrence.
- 3.12 Quality becomes casualty because more emphasis is laid on out turn and speed to meet tight construction schedule. Minimum time required for completion of Work/project has to be judiciously estimated and specified.

4. In order to achieve and maintain desired quality some check lists for various items of works have been formulated. Extract of check lists for the following works, contained in the proceedings of "Workshop on Achieving quality in Construction Project through Management Techniques" organised by Delhi Productivity Council in 8/97 are put up for perusal. It is desirable to adopt/follow the check list as guidance :-

1. Earthwork
2. Concreting
3. Brick work
4. Wood work
5. Structural steel/Structural steel work
6. Flooring
7. Water proofing
8. Finishing
9. White wash, Colour Wash, Painting
10. Water supply and sanitary fittings
11. Road work
12. Internal electrification etc.,

4. In addition to the above, extract of the following are also put up for perusal :

- (1) Extract of Article on "Procedure for quality Assurance"
- (2) Check list for concreting work followed in the construction of "NEW NIZAMUDDIN Bridge across River Yamuna in Delhi (Indo - Japan Friendship Bridge).

5. On approval for the suggestions indicated in the above paras, extract of Note Put up to Chairman and check lists indicated in para 4 of this note may be communicated to all Chief Engineers concerned with civil works for adoption. Details and check lists communicated to Chief Engineers may be published in TNEB Gazette for reference and guidance.

For Approval.

Sd/-

Dt. 20—12—99
C.E. / C.D.

Sd/-

Dt. 22—12—99.
M. (D).

Sd/-

Dt. 21—12—99.
M. (G).

It is good note : I hope the contents will be implemented Scrupulously.

Sd/-

Dt. 22—12—99
CHAIRMAN.

Encl ;

**CIVIL WORKS—CONSTRUCTION AND MAINTENANCE—ACHIEVING REQUIRED QUALITY—
WAYS AND MEANS.**

CHECK LISTS FOR WORKS

DETAILS	PAGES
1. Earth work	29
2. Concreting	30
3. Brick work	32
4. Wood work	34
5. Structural Steel/work	36
6. Flooring	38
7. Water proofing	41
8. Finishing	43
9. White wash/Colour wash, Distembering, painting	44
10. Water supply and sanitary fittings & plumbing	46
11. Road works	48
12. Internal electrification	50
13. Occurrence of common defects due to non-observance of important points	54

Encl:

CHECK LIST ON VARIOUS TRADE ITEMS FOR ADHERENCE TO QUALITY

1. EARTH WORK

Description (1)	* Remarks & Initials of concerned Engineer (2)
a) Surface dressing/site clearance carried out for proper layout.	
b) Confirm that the layout of excavation marked on ground is as per the drawing.	
c) Whether a guideline to Mazdoor is provided about the depth of the foundation excavation.	
d) Confirm that bottom and sides of the excavation are properly dressed.	
e) Confirm whether excess - excavation beyond specified depth and loose stretch on the bottom of foundation - excavated is filled with concrete.	
f) Top 75mm deep of excavation in foundation is disposed off far away from the building area as per direction of engineer.	
g) Good earth suitable for filling in foundation under floor is dumped 1.00 metre away from edges of the excavation to avoid double handling.	
h) Surplus earth available after filling in trenches and floors is disposed off at specified place and spread in uniform manner.	
i) While back filling, confirm whether each layer in filling is properly watered and compacted before starting subsequent layer.	
j) Confirm whether the anti-termite treatment has been carried out through a specialised agency.	
k) Seal of chemical container is checked before it is opened.	
l) (i) Concentration of aldrin used%
(ii) Containers so far used	.....Nos.....Ltrs.
(iii) Area covered	.....Sq.m.
(iv) Theoretical (area)	.....Sq.m.

Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge

CHECK LIST OF CONCRETE TRADE ITEMS

Description (1)	*Remarks & initials of concerned Engineer (2)
------------------------	---

A. MATERIAL

a) Coarse Sand :

- i) Silt content percentage found%
If found more than 8% confirm whether washing is resorted
- ii) Whether grading of specified source found as per requirement
If not, name the source & size and the percentage of such size
used to achieve the specified grading Source.....
%age.....
- iii) Percentage of bulkage of sand observed%
Allowance for Bulkage allowed%

b) Stone Aggregate :

- i) Whether grading of specified source found as per requirement.
If not, name the source & size and the percentage of such size
used to achieve the specified grading. Source.....%
- ii) Crushing value does not exceed 45% (In case of concrete used
in situation other than wearing surface).
- iii) Impact value does not exceed
for concrete other than wearing surface 45%
for concrete used in wearing surface 30%
- iv) Abrasion value does not exceed 30%
- v) Foreign material content does not exceed 5%

c) Cement :

- i) Cement strength of every lot checked before use
Indicate cement strength found of every lot

3 days 7 days 28 days

	1st lot		2nd lot		Kg/cm ²
ii) Initial setting time & final setting time of every lot checked & found as indicated.					
	1st lot	—	Initial setting time	.....	min.
			Final setting time	.....	min.
	2nd lot	—	Initial setting time	.....	min.
			Final setting time	.....	min.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge

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d) Water :

Water got checked in.....laboratory and result found as indicated.

Organise	mg/litre
Inorganic	mg/litre
Sulphates	mg/litre
Chlorides	mg/litre
Suspended matter	mg/litre

Whether these Impurities are within permissible limit.

B. MIXING PLACING AND COMPACTION PROCESS :

- i) Mechanical mixer/batch plant applicable used.
- ii) Allowance for bulking of sand given.
- iii) Slump test conducted, after slump test water added as per workability requirement.
- iv) Concrete is placed in formwork within the initial setting time.
- v) Proper compaction of concrete by vibrator achieved.
- vi) Concrete dumped from height not more than 1.5 m.
- vii) Whether the chute is provided where concrete is to be thrown from more than 1.50 m height.
- viii) Hacking done where rendering is to be done.
- ix) Cover blocks of required size provided.
- x) Lines and level of centering/shuttering is correct.
- xi) Bamboo chalis provided for walking over reinforcement.
- xii) Random cube sampling is done for concrete used for structural member.
- xiii) Cube test result are found as indicated.

7 days.....kg/cm²

28 days.....kg/cm²

Whether above results are within the permissible limit.

- xiv) Curing started within 24 hours.
- xv) Whether the surface is kept wet atleast for 10 days during curing period.
- xvi) Ballies av. dia 10 mm (min) @ 1.5 m apart.
- xvii) Whether the base for ballies erection proper by consolidated and base plate provided.
- xviii) Whether column/facia/wall lines are vertical.

*Indicate whether the requirement has been complied with or not. If not indicate corrective action taken.

Countersigned by Project Incharge

	(1)	(2)	(3)
NOTE	6. Joint Thickness :		
CATEGORIES	Desired thickness 8 to 10 mm	Specified—1.0 cm	
Country		Actual — cm	
Area	7. Vertical Joints :	Filled/Hollow	
	8. Racking of Joints :	Specified—Not less than 15 mm	
		Actual —	
	9. Curing :	Done/not done	
	Not less than 7 days		
	10. Reinforcement in half Brick work :	Required/Not required	
		Provided/Not provided	
	11. Brick layers uneven not horizontal		
	12. Masons have instruments		
	13. FINE SAND		
	(i) Silt percentage found		
	If found more than 8% confirm whether washing resorted		
	(ii) Whether grading of specified source found as per requirements		
	If not name the source and size and the percentage of such size used to achieve the specified grading.	Source.....	
		%.....	
	(iii) % age of bulkage of sand observed.		
	14. Proper arrangement for curing made and carried out for 7 days and date on the portion of work carried out on the respective days marked.		
	15. Raking out of joints carried out when joints are green and depth not less than 15mm.		
	16. Brick walls are truly plumb in all locations.		
	17. Diagonal dimension of room are equal		
	18. Proper bonding of cross wall with long wall ensured		
	19. Proper brick closers are used at corner of wall and brick bats are not used.		

* indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project incharge.

(1)

(2)

20. In case of exposed Brick work, all bricks of uniform shape size, colour, selected and used.
21. Top courses of plinth, parapet, steps and last course of brick wall below R. C. C. slab laid with brick on edge and cut bricks corner provided.

WOOD WORK

- (a) Type and grade of timber as specified used.
- (b) Timber preferable free from knots and cracks used. If knots inescapable, the size of knot and area of knots/piece is not more than the following limit.

Type of Timber & Class	Individual knot not more than	Aggregate area of knots/piece Not more than
TEAK WOOD		
Superior Class Teak Wood	12 mm	0.5%
First Class Teak Wood	25 mm	1.0%
2nd Class Teak Wood	40 mm	1.5%
DEODAR WOOD		
1st Class deodar wood	25 mm	1.0 %
2nd Class deodar wood	40 mm	1.50%
SAL WOOD		
1st Class kail wood	25 mm	1.0 %
2nd Class kail wood	40 mm	1.50%

- (c) Timber used is free from Sap Wood

MOISTURE CONTENT :

- (d) When tested for moisture content the max. %age of moisture content in respect of the timber used in the following situations under various zones defined with reference to relative humidity shall not exceed the followings :

Sl. No.	Description of Timber	Max. % age of Moisture Content			
		Zone-I	Zone-II	Zone-III	Zone-IV
1.	Timber used for door & window (50 mm thick and above)	10	12	14	16
2.	Timber used for doors & windows (thickness less than 50 mm)	08	10	12	14
3.	Timber used for Beam & rafter	12	14	17	20
4.	Timber used for furniture & cabinet making	10	12	14	15
5.	Timber used for floor	08	10	10	12

*Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project incharge.

NOTE :

CATEGORISATION OF ZONES :

Country has been broadly divided into the following four zones on the basis of the formation by Forest Authorities :

- Zone—I : Average annual relative humidity less than 40%
 Zone—II : Average annual relative humidity less than 40 to 50%
 Zone—III : Average annual relative humidity less than 50 to 67%
 Zone—IV : Average annual relative humidity More than 67%

- e) Kiln seasoned timber if specified used.
- f) Proper joints provided in joinery items using glue & bamboo pins.
- g) Finished size of timber in various location are kept within the Specified following limits as per CPWD specification or as specified
- | | | |
|------|---|----------|
| i | Door & Window frames : | —2/+3 mm |
| ii. | Panelled, glazed or panelled & glazed shutters | |
| | Finished thickness | ± 1 mm |
| | Width of styles & rails below 100 mm | ± 2 mm |
| | Width of styles & rails above 100 mm | ± 3 mm |
| | Width & thickness of glazing bar | ± 1 mm |
| iii. | Flush door shutters Width & height | ± 3 mm |
| | Thickness | ± 1.2 mm |
| iv. | Battened & Framed Door & Window shutters Finished | ± 1 mm |
| | thickness Finished width of battens etc. | ± 3 mm |
| v. | Ledged & battened or ledged braced and battened | |
| | door and window shutter : Finished thickness | ± 1 mm |
| | Finished width of battens, ledges etc. | ± 2 mm |

NOTE :

If CPWD specification are not applicable in a contract, the tolerance limit as specified should be checked and followed.

- h) Timber surfaces coming in contact with Brick / Concrete / Stone work are given proper preservative treatment.
- i) Size of holdfast kept as shown in drawings and fixed with 10 mm dia bolt with head sunk into frame and covered with wooden plug 10 cm long & other end forked, bent in right angle at opposite direction & embedded in C.C. blocks.
- j) Rebate in plaster provided all around the door/window frame.
- k) Quality and thickness of glass used is as specified.

* Indicate whether the requirement has been complied with or not. If not indicate corrective action taken.

Countersigned by Project Incharge.

(1)

(2)

- l) Adequate & uniform putty between glass pane and sash bar provided.
- m) Quality and size of wooden beading is as per Drawing/specifications.
- n) Hearting (core) of flush door shutters is of specified type indicating the type actually used.
- o) Type of Veneering (Commercial ply / Teak ply) used as specified indicating type of veneering actually provided.
- p) phenol formaldehyde synthetic resins used.

STRUCTURAL STEEL :**A. Steel door windows & Ventilators :**

1. Confirm standard rolled steel sections of the particular manufacturer/trade mark as specified used.
2. Test certificate in respect of the above provided.
3. Type of welding as specified done.
4. Confirm excess weld at corner and other locations removed & finished smooth.
5. Confirm sizes of Door, window, ventilator & fixed light frames are as per permissible limit of + 1.5 mm.
6. Confirm fixing holes provided centrally in the web section specified in IS 1038—1983.
7. Confirm fixing screws & lugs as may be applicable, used as per IS 1038—1983.

FIXING SCREWS AND LUGS

Sl. No.	Place of fixing	Size of the screw or lug
i.	To wooden frames rebated on the outside	35 mm No. 10 glavanised wood confirming to IS 451-1972.
ii.	To plugs in concrete work or brick work rebated on the outside.	—do—
iii.	To plugs in concrete work or brick work rebated on the outside (that is, plain or square jambs).	65 mm No. 10 galvanized brick wood screws.
iv.	Direct to brick work or mansory (that is, plain or square Jambs).	Slottered steel adjustable lugs (natural finish) not contersunk galvanised machine screws and nuts 12×6 mm.
v.	To steel work	Fixing clips and 8 mm galvanized bolts and hexagonal nuts.
8.	Confirm steel surfaces throughly cleaned to make them free of rust, mill scale, dirt, oil etc by mechanical means, for example sand or shot blasting before painting.	

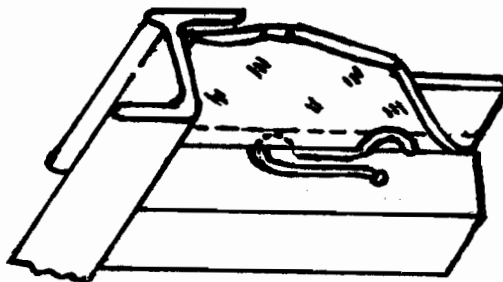
* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project incharge.

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9. Confirm priming coat of paint applied before fixing.
10. Confirm glazing on the outside of frame provided.
11. Confirm that number of glazing clips provided for fixing glazing of door windows/ventilator/fixing light are as specified in IS—1038—1983.
12. Confirm glazing clips fitted into slot in the window frames, leaving the clip resting on the glass as shown in the sketch below.



PICTORIAL VIEW WITH IMAGE OF SPRING
GLAZING CLIP AND METHOD OF ITS FIXING

B. Structural Steel Work

- ii. Test certificate furnished
- iii. Shop drawing prepared before fabrication indicating position of bolt/rivet holes and the sizes, connecting plate.
- iv. Confirm before fabrication, that the fabricator made fully aware of the sizes of various members/connection plates, location of various rivets/bolts and hole sizes, and understand the shop drawing.
- v. Before fabrication steel is free from rusting, scale etc.
- vi. Confirm before erection that fabrication done is as per shop drawing.
- vii. The welder/fabricator had adequate experience on fabrication & welding.
- viii) Quality/type of welding rod and correct size used as specified.
- ix) Important weld got tested by non-destructive testing method such as
 - i) Dye method.
 - ii) Radiographic test.

* Indicate whether the requirement has been complied with or not. If not, Indicate corrective action taken.

Countersigned by Project Incharge.

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- x) Proper erecting equipment with required lifting capacity deployed for use.
- xi) Structure is in plumb and in level.
- xii) Bolted/riveted connection checked for looseness by hammering.

C. Rolling Shutter :

- i) M.S. Laths 1.25 mm thick and 80 mm wide or as specified provided.
- ii) Thickness of guide channel is 3.15 mm.
- iii) Depth of guide channel provided is given as below :
 - a) Upto 3.50 M — 60 mm
 - b) Above 3.50 M — 75 mm

FLOORING :

1. Properly consolidated and anti-termite treatment applied before laying sub-base.
2. Quality of material checked as per the check-list given in concrete trade.
3. Sub-grade laid to proper and required slope.
4. Required slope to drain off the water quickly, provided in the sub-floor/ sub-grade laid in verandah, kitchen, toilets and court-yards.
5. Floor topping provided on cement concrete sub-base within 48 hours and/or within 3 days in case of lime concrete sub-base.
6. Cement slurry used @ 2 Kg/M² where floor topping is provided on RCC slab or other hardened surfaces.
7. Thickness of dividing strips used is as specified.
8. Floor laid in panels which is not more than 2M² and length of any side of the panel is not more than 2.00 M.
9. Strips fixed with their top at proper level giving required slope.

A. Cement Concrete Flooring :

1. The finishing started immediately after cessation of beating of concrete placed, allowing some time to moisture to disappear from it.
2. Dry cement or Dry cement and sand mixture not allowed to sprinkle on the surface to absorb excessive moisture.
3. Fresh quantity of cement @ 2Kg/M² mixed with water to form thick slurry and then spread on the concrete while it is still green and the cement slurry properly dressed and finished smooth with proper steel trowel.
4. The top of strips are clearly visible after finishing with cement slurry and required smoothness obtained.
5. Curing for a minimum period of 10 days carried out by ponding method.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project incharge.

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B. Terrazo (Marable chips) flooring (Laid-in-situ) :

1. Confirm that the proportion of the marble chips size to binder mix used are as under as per IS 2114-1984 or as specified differently.

Size of aggregate	Proportion of Aggregate of Binder mix. parts
1 to 7 mm	1.75 parts
7 to 15 mm 15 to 25 mm	1.50 parts

2. Confirm that max. size of chips used is not more than 75% of the thickness of the terrazo topping.
3. The marble powder used is in proportion of 3:1 by weight.
4. Colour and white cement pigment where specified have been used.
5. First grinding with machine started after 36 hours of laying of the terrazo topping by using No. 60 carborundum stone and mud after grinding etc. removed and surface cleaned.
6. 2nd grinding with machine started after carrying out curing for a period of 5 to 7 days with No. 120 grit block and surface cleaned.
7. Curing for 3 to 5 days again carried out after 2nd grinding.
8. Final & 3rd grinding with machine carried out after above curing with No. 320 stone for final rubbing & polishing.
9. Oxalic acid @ 33 gms/m² diluted with water sprinkled over the surface and rubbed hard with a namdah block (pad of woolen rags).

C. Terrazo Tiles Flooring :

1. Terrazo tiles are as per IS 1237 and of approved make.
2. Tolerance of tiles are not beyond the following limits allowed.
 - a) On length and breadth ± 1 mm.
 - b) Thickness + 5 mm.
3. Average thickness of bedding mortar is 30 mm and at No. of places the thickness of bedding mortar is less than 10 mm.
4. Over bedding neat grey cement slurry of honey like consistency is spread @ 4.4 kg/m².
5. Joints between the tiles are not exceeding 1.5 mm and are in straight line to suit the required pattern.
6. Confirm that surface of tile-flooring during laying checked with straight edge atleast 2m long.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken,

Countersigned by Project incharge

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7. After laying the tiles surplus cement grout which has come out of the joints is cleaned off.
8. Joints are grouted with grey or white cement mixed with or without pigment to match the shade of the tile, after cleaning of the joints with wire brush or trowel to a depth of 5 mm.
9. Checks in respect of curing, finishing and polishing as described at Sl. Nos. 18 to 23 have been followed.

D. Glazed tile flooring :

1. Tiles are of approved make, first quality and confirms to IS 777 & free from all defects.
2. Confirm tolerance beyond the following limits not allowed :
 - i) Facial dimension ± 1.0 mm (on length and breadth)
 - ii) Thickness $+ 0.50$ mm.
3. 10 mm av. thick bedding layer provided with minimum thickness of 5 mm at any place as specified.
4. Over wet bedding layer neat cement slurry of honey like consistency spread @ 3.3 kg/m² before laying the tiles.
5. In locations where full tiles could not be used, the tiles were cut to required size rubbed smooth and joints are straight & true.
6. Joints first raked out upto a depth of 2 to 3 mm and all dust & loose mortar removed and joints then flush pointed neatly with white cement added with pigment as required/as specified.
7. Seven days curing carried out after laying the tiles.

E. Kota Stone Flooring :

1. Kota stone slabs of selected quality, hard, sound dense and homogeneous in texture, free from cracks, weathering and flaws used.
2. Tolerance beyond following limits not allowed :
 - a) Thickness ± 2 mm
 - b) Length & Breadth in case of machine cut ± 2 mm.
3. Machine cut Kota stone only used.
4. Sizes of the Kota stone slabs are according to the patterns specified and angle, edge of the slabs are smooth square and free from chipping.
5. Bedding layer of average thickness 20 mm provided with minimum thickness at any place not less than 12 mm provided.
6. Over met bedding layer neat cement slurry of honey like consistency spread @ 4.4 kg/m² before laying of slab.
7. Confirm that edges of slab, buttered with grey cement mixed with pigment to match the shade of the slab.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge.

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8. Confirm that curing has been carried out for a minimum period of 7 days and grinding of floor done with machine fitted, with fine grade grit block No. 120.
9. Final grinding with machine fitted with finest grade grit-block No 320 carried out the day after the 1st grinding.
10. Confirm that oxalic acid @ 33 grams/m² diluted with water sprinkled over the surface and rubbed hard with namdah block.

F. Marble Flooring :

1. Type & grade of the marble stone slab of the first quality as specified known in the grade only used.
2. Stone slabs are got cut by machine to suit the specified pattern of flooring & for uniforming of the edges.
3. Tolerance beyond following limit not allowed :
 - a) Thickness \pm 2 mm
 - b) Length & breadth \pm 5 mm
4. Bedding layer of av. thickness 20 mm provided with minimum thickness at any place not less than 12 mm provided.
5. Over wet bedding layer, neat cement slurry of honey like consistency @ 4.4 kg/m² spread before laying of slabs.
6. The surface of the flooring is laid true to levels.
7. Confirm joints ensured.
8. First grinding with machine done after 36 hours of laying marble slabs by using No. 60 carborandum stone.
9. 2nd grinding with machine carried out with fine grade grit block (carborandum stone) No. 120.
10. Curing for 3 to 4 days again carried out after 2nd grinding.
11. 3rd and final grind with machine fitted with finest grade grit block (carborandum stone No. 320) carried out the day after the 2nd grinding.
12. Oxalic acid @ 33 gms/M² diluted with water sprinkled over the surface and rubbed hard with a namdah block.

WATERPROOFING ROOF TREATMENT AND DRAINAGE SYSTEM OF ROOF

A. Mud Phaska & terrace tile treatment :

- i. Before applying a coat of hot bilumen, surfaces of slabs got cleaned with wire brushes cotton or gunny clothes and made complete dry.
- ii. Bilumen of approved quality properly heated as per the instructions of the manufacturer applied @ 1.7 kg./m² or as specified, on roof surfaces and 15 cm along the vertical surfaces joining the roof.
- iii. In case of parapet wall bilumen coating provided upto drip course.

*Indicate whether the requirement has been complied with or not, If not, indicate corrective action taken.

Countersigned by Project Incharge

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(2)

- iv. Course sand @ 60 dm³/10 m² spread evenly and over the bilumen coating while the bilumen is still hot.
- v. Selected quality of earth free from excessive clay or sand stones, kankar, grass roots and other foreign matter used and selected from the place locally free from white ants.
- vi. Chopped straw (Bhusa) free from sand dust or any other foreign materials only used with chopping length not more than 2 cm.
- vii. Selected earth kept damp for 2 hours by adding water fit for construction and then laid to the required thickness and slope.
- viii. 25 mm thick mud plaster mixed with chipped straw @ 35 kg./m³ of earth applied over the mud phaska.
- ix. Coat of gober leaping (using fresh gober and finely sieved—in equal quantities and adding required quantity of water) for completely filling any cracks that may form in the mud plaster provided on dried gober leaping.
- x. Mud mortar applied for achieving the required slope before laying the flat tiles applied.
- xi. Mud mortar has not been permitted to rise in the vertical joints of tiles beyond 12mm.
- xii. Joints of tiles grouted with cm 1 : 3 preferably mixing water proofing compound as specified and pointed.
- xiii. Curing carried out for a period of 7 days.
- xiv. Tiles are free from cracks and flaws and nodules of free lime.

B. Water proofing using bilumen felt.

Confirm that :

1. The bilumen felt of type and brand as specified used.
2. Before applying bilumen coating and fell surface prepared to adequate slope with cement/lime mortar layer which can facilitate drainage off rain water quickly.
3. Triangular fillet of cement concrete/lime concrete of size 7.5 x 7.5 cm provided at the junction of wall with the roof.
4. Where gola/drip course is provided, these are dressed suitably for gradual turning of fall.
5. Groove of size 6.5 cm deep & 7.5 cm wide provided in parapet wall at height more than 15 cm above the roof slab level (applicable for parapet of height more than 45 cm).
6. Tucking of chase done by filling cm 1 : 4 or CC 1 : 2 : 4 over the inserted portion of tar felt in the groove.
7. Tar felt carried over the top of the parapet wall also where the ht. is less than 45 cm.

*Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge

8. Proper khurras in CC 1 : 2 : 4 and providing in front of rain water pipe by providing under-neath PVC sheet 1 x 1m x 400 micron or other material as may be specified.
9. Cement plaster 1 : 3 provided over khurras and side of outlet while as the khurra's concrete still green and finished with a floating coat of neat cement.
10. Water proofing treatment got done through specific agency and requisite guarantee obtained.
11. Size of the finished outlet kept 10 x 20 cm or as specified provided.
12. Iron grating of overall size 20 x 25 cm provided to the opening of rain water pipe.
13. Joints of rain water pipes got filled up with lead in case of embedded pipes or with still cm 1 : 3 in case of exposed rain water pipe, in presence of concerned supervisory staff.
14. In case of embedded pipe in brick work or stone masonry minimum 12 mm thick mortar provided all round the pipes.
15. Exposed pipes fixed with adequate size of clamps with their hook embedded in PCC 1 : 2 : 4 blok of size 10 x 10 cm x 10 cm.
16. Mouth of the shoe kept clear of cement mortar concrete & kept slightly above the plinth protection etc.

FINISHING

1. Joints were raked out and dust/loose mortar/efflorescence removed before starting plastering operation.
2. Surface thoroughly washed and kept wet before applying plaster.
3. Ceiling plaster got done before starting plaster on wall.
4. Grading of the sand thoroughly checked to achieve even & smooth surface and is free from silt/dust etc.
5. Gauges of 15 x 15 cm size properly finished provided at an interval not more than 2 m (1.5 in case of ceiling plaster) horizontally and vertically for achieving even thickness and true surface.
6. Surface checked frequently with a true straight edge not less than 2.5 m long and with a plumb bob during the progress of the work.
7. Water used for mixing and curing, potable water free from salt, sulphates, alkalies etc.
8. In case of two layer plaster, the under layer finished rough and scratch lines 2 mm deep with scratching tool diagonally both ways before applying final and 2nd coat.
9. Curing for a minimum period of 7 days carried out.
10. Finishing coat got done within 48 hours of the applying of the under layer.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

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B.B.—7 (Jan. 2000)

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11. Application of plaster as well as finishing with neat cement got completed within half an hour of the preparation of the mortar.
12. Corners, junctions of plaster have been rounded off as specified.
13. Groove at the junction of brick work with RCC work/stone work provided.

WHITE WASH/COLOUR WASH

1. Approved quality of fresh stone white lime used.
2. Lime slacked thoroughly and screened through a clean course cloth after 24 hours of slacking.
3. 40 grams of Gum dissolved in hot water to each 10 d m 3 of clean slack lime.
4. Neel @ 3 gram per kg of lime added to stacked lime.
5. 5 litre water per kgm. of lime added to produce milky solution for application.
6. All loose pieces and scales scrapped off from plaster surface in case of previously treated surface and brushed thoroughly and made free from mortar dropping foreign material etc. in case of new surfaces.
7. The next coat applied only when the under coat is dry.
8. Mineral colours not affected by lime only used and quantity added as per the described shade.
9. Each white wash coat applied with a brush from top downwards, bottom upwards, left to right and right to left before surface becomes dry.

DISTEMPERING :

A. DRY DISTEMPER :

- i) Approved dry distemper as per IS 427-1965 and of particular manufacturer where specified used.
- ii) 0.60 litre of warm water per kg. of distemper added and allowed to stand for 30 minutes before use.
- iii) Distemper prepared only to the extent of one day requirement.
- iv) Preferably newly plastered surfaces allowed to dry for 2 months before applying distemper.
- v) Priming coat of whitening (not whitewash) applied before distempering in case of new work.
- vi) Distempering carried out with proper distemper brushes first horizontally and then vertically.

B. OIL BOUND DISTEMPER :

- i) Oil bound distemper as per IS 428-1969 and of approved manufacturer used.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge.

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- ii) Cement primer of same make as that of distemper applied.
- iii) Required water used for water based distemper and thinner used for oil based distemper strictly as per the manufacturers instructions.
- iv) Surface thoroughly cleaned of dust by washing and scrapping before applying primer and evenness made good by applying putty and rubbed with sand paper after putty has dried.
- v) Distemper coat applied after 48 hours of the application of the primer with proper brushes horizontally and vertically.
- vi) Next coat is applied after 24 hours of the application of the 1st coat.

CEMENT PAINT :

- i. Cement paint as per IS 5410-1969 and of approved manufacturer used.
- ii. Mixing got done in following two stages :
 - (a) First Stage : 2 part of cement paint added in one part of water and allowed to stand for 5 minutes.
 - (b) 2nd Stage : Further one part of water added and mixed thoroughly.
- iii. Water spreaded over surface before applying the above prepared cement paint.
- iv. Cement paint applied within 24 hours of the mixing operation.
- v. 1st coat of solution applied with brush or clean & wetted surface and surface watered at the end of days work
- vi. Next coat applied after 24 hours of application of 1st coat.
- vii. Curing carried out for 2-3 days after application of final coat.

PAINTING :

- i. Paints of approved manufacturer and as per relevant-IS Code used.
- ii. All rust, scales, oil, greese, moisture and loose particles removed and surfaces made clean, thoroughly dry and free from all loose matter before starting painting.
- iii. Cement primer applied on newly plastered surface before painting.
- iv. Mild steel surface cleaned manually / mechanically / chemically depending upon subsequent coats of paint applied.
- v. Cracks if any in wood work filled up by applying wood primer.
- vi. Comparability between primer & finishing coat achieved by avoiding too thick a coat of paint.
- vii. Dampness of efflorescence if any present got removed before painting.
- viii. Painting not done in humid/rainy day or when it is too cold.

* Indicate whether the requirement has been complied with or not. If not indicate corrective action taken.

Countersigned by Project Incharge.

- ix. Thinner recommended by manufacturer only used and also in the right proportion.
- x. Paint surface allowed to dry hard before applying 2nd coat
- xi. Tightly closing of container ensured after painting is over for the day.

WATER SUPPLY SANITARY FITTINGS & PLUMBING

1. G.I. Pipe used are specified grade & confirms to IS 1239 and obtained from approved manufacturer.
2. Weight and thickness of each pipe checked before laying
3. Test 3 against leakage for a duration of 2 hours carried out at specified pressure & pipe line found leakproof.
4. Sanitary fittings are of approved make and confirms to relevant IS code used.
5. Dimension and slope of the sanitary work and fittings checked as per manufacturer's catalogue and found correct.
6. Adequate slope planned before laying of floor in bath & toilet & achieved.
7. Position of the grating of floor trap kept about 6 mm below the top surface of the floor and edges of the floor around grating rounded for easy flow of water.
8. Licenced plumbers with appropriate skill employed by PRW/ Sub-contractor for sanitary installation & plumbing work.
9. Wash basin placed on the brackets and not concealed into wall to avoid development of cracks later on.
10. No fixing material used between pedestal and wash basin as well as the base of the pedestal.
11. Pedestal screwed after drilling the floor and wooden pieces used to fix it up.
12. Punching of holes done from the top surface of the basin.
13. EWC base not filled with concrete, instead hole drilled in the floor and the EWC screwed to the floor.
14. While fixing the sanitary wares respective distance maintained between the upper surface of the wall and the centre of the trap as per manufacturer's catalogue.
15. Plumbing pipes located in places avoiding dead spaces, easily accessible for inspection, working and repairs.
16. Cross connection between waste water system and protected water supply system avoided.
17. Water seal floor trap minimum found 50 mm.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge.

18. a) Soil and waste pipe checked for leakage before fixing individually by filling water into the pipe and only leak proof pipes used.
- b) Nos. of pipes found leaking rejected & replaced with leakproof pipes.
19. Water seal of sanitary fittings checked and found as per manufacturer's design/catalogue.
20. Thickness and weight of G.I. Pipes checked before laying and found correct.
21. Lean cement concrete/lime concrete using brick agg. provided in sunked upper floors and no-where cinder filling done.
22. Plaster with water proofing compound provided in sunken portion of the floor when Indian type WC provided.
23. CI pipes are painted from the inside also.
24. All waste and soil pipe line i/c fittings and joints laid in floor/embedded in brick walls checked against leakage before covering with lean concrete & putting embedding material.
25. Lead quality got checked in lab and result found correct.
26. Filling of lead in the joints got done in presence of supervisory staff and specified quantity used.
27. On completion final test carried out against leakage/obstruction on completion and found in order.

DRAINAGE / SEWAGE

1. Stone ware pipes of specified class & conforming to IS 651.
2. Thickness of the stone ware pipes got checked before laying & found correct.
3. Jointing got done in presence of supervisory staff as per specification.
4. Testing against leakage got done before covering the pipes.
5. Laying of pipes started from down stream side to up stream side & proper slope achieved.
6. Level of out flow pipe kept lower than inflow pipe in inspection chamber/manholes.
7. Wt. of manhole frame with cover got checked before fixing & found in order.
8. Brick work over inlet & outlet pipe provided with brick on edge so that the same act as an arch.
9. Local bye-laws requirement complied with.
10. Drainage work carried out through licenced plumber of appropriate skill.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge.

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11. Water proof plaster provided inside manhole to sides of wall.

12. The final testing carried out to check efficient functioning of drainage system.

ROAD WORKS :

A. PREPARATION OF SUBGRADE :

- (i) Surface cleaned off all foreign substances and any rough or soft yielding patches corrected and subgrade dressed of parallel to the finished profile.
- (ii) Sub-grade properly consolidated with power road roller of 8 to 10 tonne with a minimum 5 passes of road roller and undulation developed during rolling made good.
- (iii) In case of embankment each layer (23 to 30 cm as may be specified) consolidated separately under optimum moisture conditions.
- iv) Each consolidated layer checked for density and moisture content and found that density achieved is not less than 95% and field moisture content about +1% to -2% of the optimum moisture content achieved.
- v) Record of moisture content and density achieved in respect of each layer maintained separately.
- vi) Sub-grade finally checked for specified camber and gradient and found correct.

B. SUB-GRADE :

- vii) Grading of aggregates checked and found as specified.
- viii) Aggregates not allowed to be dumped in the place of spreading.
- ix) Aggregates got spread uniformly to proper profile by using templates placed across the road, 6 m apart.
- x) The surface of the aggregates spread was carefully turned up and all high or low spot remedied by removing/adding aggregates.
- xi) Earth was not permitted for blinding purpose and specified blinding material used.
- xii) Consolidated thickness of sub-base checked by core cutting from the sub-base and found correct.
- xiii) Motor grader/spreader as specified used.
- xiv) Rolling continued until road metal is thoroughly keyed with no creeping of metal ahead of the roller and till 100% maximum dry density for the material achieved (determined as per IS 2720-Part-VII).
- xv) Rolling got commenced at the edges and progressed towards the centre longitudinally (in case of super-elevated portions) rolling got progressed from the lower to the upper edge parallel to the Centre line of the pavement
- xvi) While rolling 1/3 of the proceeding pass covered.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge.

- xvii) The surface of layer already compacted kept close to ensure free from vehicle movement.
- xviii) Sub-base surface finally checked for specified gradient and camber and found correct.

C. BASE COURSE (WATER BOUND MACADAM) :

- xix) Same check list applicable except grading of aggregates.

D. BASE COURSE WHERE BITUMINOUS MACADAM SPECIFIED ALTERNATE TO OR IN ADDITION TO WATER BOUND MACADAM :

- xx) Grading of aggregates followed as specified.
- xxi) Surface of sub-base got cleaned from all dust, dirt, caked mud, animal dung, loose and foreign material etc, upto 30 cm on either side.
- xxii) Surface wire brushed upto a depth of 10 mm and loose material and dust removed.
- xxiii) The binder heated to the specified temperature and spread uniformly with spreader having nozzles attached to boiler.
- xxiv) Binder applied longitudinally along the length of the road and not across.
- xxv) Mixing of bitumen with aggregates got done uniformly by approved method. In case of job of very large magnitude mixing done by hot mix plant.
- xxvi) Temp. of binder kept within the range of 150° C — 163° C during mixing proceeds and difference in temperature at any time was not more than 14° C.
- xxvii) Spreading got done properly and uniformly keeping the mix within specified temperature through approved method (In case of job of large magnitude spreading can be got by mechanical paver).
- xxviii) Rolling process adopted same as followed or sub-base course but within specified temperature of the mix laid and density achieved as specified.
- xxix) Density test carried out and found in the range of 98 to 100%.
- xxx) Finished surface finally checked for specified gradient camber and evenness longitudinally as well as transversally and found correct.

E. SURFACE COURSES (BITUMINOUS CARPET)

- xxxi) Grading of aggregate followed as specified.
- xxxii) Surface thoroughly got cleaned from all dust, dirt, caked mud, animal dung, loose and foreign material etc., before applying tack coat.
- xxxiii) Mixing spreading and rolling process followed as described for bituminous macadam.
- xxxiv) Finish carpet surface finally checked for chamber and gradient and found correct.

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Countersigned by Project Incharge

FIELD CHECK LIST OF INTERNAL ELECTRIFICATION
A. GENERAL

- i. Layout plans showing disposition of lighting panels/distribution boards, Lighting fixtures, conduit layout (if any) lighting distribution scheme, receptacles, junction boxes etc. available before commencement of work.
- ii. All the following items as per specification and of approved makes.
 - Lighting panels/Distribution Boards
 - Lighting Fixtures
 - Conduits including accessories (if any)
 - Receptacles
 - Junction Boxes
 - Cables/Wires
 - Any other
- iii. Following tests to be carried out before energisation of installation :
 - a) Operational test
 - b) Insulation resistance test
 - c) Polarity test of switch
 - d) Earth continuity test
 - e) Earth electrode resistance test

B) TYPES OF INTERNAL WIRING**B-1 WOODEN BATTEN WIRING**

- (i) Quality of wooden batten as specified
- (ii) Size of wooden batten as specified
- (iii) Distance between the two screws limited to 75 cms for fixing batten
- (iv) Batten surface painted/varnished as specified
- (v) Spacing of clips is limited to 10 cms. (Max.)
- (vi) Unless otherwise specified No. of clips is as per IS
- (vii) Protective covering provided on down drops within 1.5 metre from floor level.
- (viii) Loop in/poop out neutral wire of same cross section as phase wire
 - (ix) Lighting panels/DB's/switch boards located at a height not more than 2 m from the finished floor level
 - (x) Separate earth wire of not less than 14 SWG copper or 12 SWG GI or 4 Sq. mm. aluminium for earthing of equipments of internal electrification system.
 - (xi) The bending radius for wires/cables at corners is more than six times the overall dia of the cable.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge

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C. SURFACE CONDUIT WIRING/ CONCEALED CONDUIT WIRING

- (i) Conduit of specified gauge and dia not less than 19 mm used
- (ii) Conduit and its accessories galvanised or stove enamelled
- (iii) Accessories used are of threaded type
- (iv) Mechanical rigidity & electrical continuity after installation of conduits checked
- (v) Unless otherwise specified spacing and gauge of saddles as specified
- (vi) At dead end of conduits, check nuts and rubber bushes are provided
- (vii) Point wiring is joint free
- (viii) Switch boxes provided are not less than 65 mm deep and are of adequate size
- (ix) Unless otherwise specified, insulated conductors of AC supply and DC supply bunched in separate conduits
- (x) Unless otherwise specified phase segregation in separate conduits for lighting and small power outlet circuits provided.

D. CAPACITY OF CIRCUITS

- (i) Unless otherwise specified, no of insulated single core cables/ wires drawn in rigid steel conduits are as per table-2 of IS: 732.
- (ii) Unless otherwise specified, no of insulated cables/wires drawn in rigid non-metallic conduits are as per table-3 of IS: 732.
- (iii) In a residential installation, no. of points (light, fan 5 A socket outlets) limited to ten only/load of 800 watts and no. of 15 A outlets on each circuit limited to two (2)
- (iv) In industrial installation, load on each circuit limited to 3000 watts and no of power outlets to four (4) on each circuit.
- (v) Terminations carried out with crimping types lugs.
- (vi) Unless otherwise specified, links in the neutral circuits provided.
- (vii) Record of test results for insulation resistance test and continuity test, carried out prior to installation and after laying, maintained.

E. CHECK LIST FOR EARTHING :

- (i) Unless otherwise specified, earth electrode provided is as specified.
- (ii) Unless otherwise specified, earth pit provided for earth electrode is conforming to IS: 3043.
- (iii) Types and sizes of main/sub main and circuit earthing conductors provided are as specified.
- (iv) All the non-current carrying metal parts of electrical installations and all other metal parts bonded together and connected by two separate and distinct earth conductors to an existing earthing system/earth electrode.

* Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

B. B. - 8 (Jan. 2000)

Countersigned by Project Incharge.

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- (v) Unless otherwise specified, resistance value of earthing system limited to five (5) ohms

F. CHECK LIST FOR O.H. LINES

- i. Poles used are of approved make and confirm to relevant IS Code.
 - a) Test certificate obtained for drop test, deflection test and permanent set test.
 - ii. Field test conducted at site in r/o following :
 - a) Dimensions
 - b) Weight
 - c) Drop Test
 - d) Deflection test
 - e) Permanent set test
 - iii. Steel tubular poles provided with base plate and cap.
 - iv. In case of concrete pole, pole embedded below ground level as specified.
 - v. Cross arms used of M.S. angle Iron or channel Iron of required size.
 - vi. Correct spacing between conductors maintained.
 - vii. Clamps for fixing cross arms made of M.S. Plate as specified.
 - viii. D-clamps used of specified width and thickness.
 - ix. Strays, struts, insulators, conductors used conform to relevant IS Code.
 - x. Earthwise conductor used as specified.
 - xi. Lighting arrestors used as specified.
 - xii. Spacing of poles, spans and clearance between conductors and surroundings kept as specified.
 - xiii. ACSR/all aluminium conductor used as specified.
 - xiv. Insulators used of specified grade.
- #### G. MAIN AND DISTRIBUTION BOARDS :
- i. Size of iron frame and thickness of flats/angles used as specified.
 - ii. Main boards and distribution boards are fixed at places with respect to load centre.
 - iii. In bus-bars chambers spacing of phase to phase and neutral is as specified.
 - iv. Colour coding of bus-bars done properly.
 - v. Earthing of switch of gears done as specified.

*Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project incharge.

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- vi. Make of I.C. Switches as specified
- vii. Connections of cables done with switch gears with proper clamping
- viii. Earth lead connections to switch gears made with crimped lugs.

H. CABLE LAYING :

- i) Trenches of specified and dimensions excavated and prepared and cable lead keeping minimum clear distance below ground as specified.
- ii) Required quantity of sand and brick cushioning layer provided.
- iii) Route markers provided.
- iv) Cables tested, before and after laying and before energising.
- v) Proper loops at the end has been made.
- vi) Cables entry point in building or crossing roads protected by C.I. or Hume pipes.

I. TESTING OF INSTALLATIONS :

Following test carried out on completion of Electrical Installation.

- | | |
|---|------------------|
| i) Installation Resistance Test : | Specified |
| Installation resistance test : | Actual |
| ii) Polarity test of switches : | Specified |
| | Actual |
| iii) Earth continuity test carried out. | Yes/No |
| iv) Measurement of earth electrode resistance | Specified |
| | Actual |

J. CHECK LIST FOR EARTHING :

- i) Earth electrode provided of specified size and depth.
- ii) Earthing lead provided as specified.
- iii) Nominal minimum cross sectional area of earth continuity conductor within a cable used is 14 SWG copper or 12 SWG of G.I. or 4 Sq. mm of aluminium wire as specified.
- iv) Earth plate electrode and earthing lead is securely bolted to plate with bolts, nuts, checknuts and washers etc. firmly.
- v) All the materials used for earthing of G.I. In case of G.I. earthing electrode and of tinned brass in case of copper plate electrode.
- vi) Quantity of charcoal and salt used as specified and checked.
- vii) Loop earthing done for all mountings of main board and other metal clad switches, D.B.'s.
- viii) Earth electrode resistance tested (max. 5 Ohms for normal soil and max. 8 Ohms for rocky soil).

*Indicate whether the requirement has been complied with or not. If not, indicate corrective action taken.

Countersigned by Project Incharge

**OCCURRENCE OF COMMON DEFECTS DUE TO NON-OBSERVANCE OF
IMPORTANT POINTS**

Sl. No. (1)	Points (2)	Consequences for Noncompliance (3)
1.	Quality of water	<ul style="list-style-type: none"> — Higher chloride contents may cause efflorescence concrete/brick surfaces and corrosion of steel reinforcement. Accelerates setting and hardening. — Algae combines with cement and reduce bond and strength.
2.	Washing of aggregates	<ul style="list-style-type: none"> — Organic materials retard/prevent hydration and hence strength and durability is affected adversely. — Dirt, silt etc. prevent bond between aggregates and cement, water requirement may also increase and hence decrease in strength. — If mica is present, it reduces strength and durability. — Soluble salts (chemical) may react chemically to disturb the setting action of cement.
3.	Using rust free reinforcement	<ul style="list-style-type: none"> — Rusted reinforcement bars will cause corrosion and thus reduces strength and also cracks develop.
4.	Water/Cement Ratio	<ul style="list-style-type: none"> — Higher Water/Cement ration would reduce the strength Less will reduce workability. — Higher Water/Cement ratio increases porosity in concrete and that may lead to corrosion of steel. — Durability of structure decreases as water/cement ratio increases.
5.	Proper batching of Aggregate cement & water	<ul style="list-style-type: none"> — Mixing done by volumes will be of a variable quality. — Improper proportions of materials mixed by affect workability and durability adversely. — Excess of fine aggregate (sand) and water causes bleeding. — Quantity of cement less than the specified quantity will affect the strength and durability.
6.	Transporting and placing of concrete within initial setting time of cement.	<ul style="list-style-type: none"> — For delayed placing the workability will get reduced and concrete will start getting hardened resulting in low strength.
7.	Proper compaction of concrete	<ul style="list-style-type: none"> — Improper compaction will lead to honey combing. — If compaction is less, voids will be left in the concrete and concrete will be non-homogeneous. Density and strength will also be lesser than required. — If concrete is over-vibrated cement mortar will appear at the surface and coarse aggregates settling beneath the surface so there is possibility of segregation.
8.	Curing of concrete	<ul style="list-style-type: none"> — Inadequate curing will affect hydration of cement and hardening of concrete, so strength will be reduced. — For inadequate curing the wearing qualities and imperviousness of concrete reduces.

(1)	(2)	(3)										
9.	Ensuring rigid forms and false work	<ul style="list-style-type: none"> — The steel reinforcement will be subjected to corrosion in impervious concrete. — Improper design and unskilled work in form work may lead to failure or collapse of structures. — May result in bulges in walls, sagging in floors, wavy lines in beams and columns, ridges and fins. 										
10.	Cover to reinforcement	<ul style="list-style-type: none"> — Inadequate cover will expose the reinforcement to corrosion, harmful chemicals, saline atmosphere and sulphurous smoke. — Excess cover, especially in beams reduces effective depth. 										
11.	Controlling surface evaporation retrowelling etc	<ul style="list-style-type: none"> — Inadequate control of surface evaporation will lead to plastic shrinkage cracks. — Final trowelling would reduce surface cracks. 										
12.	Procurement of cement directly from manufacturer	<ul style="list-style-type: none"> — If procured from sources other than manufacturers, possibility of getting old or impure cement not be ruled out. — In such situation, prior tests of cement of the lot through random sampling is essential before use on work & payment of supplier. 										
13.	Storage of cement	<ul style="list-style-type: none"> — Long storage reduces strength should be first come first use basis. — Long storage reduces strength of cement as under :- 										
		<table border="1"> <thead> <tr> <th data-bbox="691 1167 824 1227">Period of Storage</th> <th data-bbox="1057 1167 1365 1227">Approx. Relative Strength at 28 Days (%)</th> </tr> </thead> <tbody> <tr> <td data-bbox="691 1285 760 1312">Fresh</td> <td data-bbox="1182 1285 1230 1312">100</td> </tr> <tr> <td data-bbox="691 1323 813 1350">3 months</td> <td data-bbox="1195 1323 1230 1350">80</td> </tr> <tr> <td data-bbox="691 1361 813 1388">6 months</td> <td data-bbox="1195 1361 1230 1388">70</td> </tr> <tr> <td data-bbox="691 1400 769 1426">1 year</td> <td data-bbox="1195 1400 1230 1426">60</td> </tr> </tbody> </table>	Period of Storage	Approx. Relative Strength at 28 Days (%)	Fresh	100	3 months	80	6 months	70	1 year	60
Period of Storage	Approx. Relative Strength at 28 Days (%)											
Fresh	100											
3 months	80											
6 months	70											
1 year	60											
14.	Compaction/Earth filling of sub-base	<ul style="list-style-type: none"> — Contact of moisture would result in setting of cement. — Inadequate compaction will result in settlement of floors & road causing cracks on the surface. 										
15.	Toothing and bonding	<ul style="list-style-type: none"> — Defective toothing & bonding reduces the load bearing capacity and causes cracks on the surfaces. 										
16.	Joints in brick work	<ul style="list-style-type: none"> — Improper bond and thicker joints in brick work reduces strength and may cause cracks. 										
17.	Seasoning of Timber	<ul style="list-style-type: none"> — Unseasoned timber results in warping an opening-up of joints also accelerate the termite action. 										

(True Copy)

**Memorandum No. 217/ACE/IEMC/EE (T)/AEE.1/AE.1/Tariff Revision/2000-2, (Technical Branch),
Dated 7—1—2000.**

Sub : Electricity—Tariff—Amendment to the Schedule to the Tamil Nadu Revision of
Tariff Rates on Supply of Electrical Energy Act, 1978—Notification Issued—Reg.

Ref : 1. Fax Message dated 7—1—2000 from Member (Distribution)/T.N.E.B.

2. G.O. (Ms.) No. 3, Energy (A2) Department, Dated 7—1—2000.

A copy of the G.O. cited under reference (2) on revision of Electricity Tariff rates effective from 7—1—2000 is enclosed. The Chief Engineers of Distribution Regions and Superintending Engineers of Distribution Circles were already requested through Fax Message cited under reference (1) above, to arrange for taking Special Meter Readings and to reset the Maximum Demand on 7—1—2000 in respect of all H.T. services (HT TF. I, HT TF. II and HT TF. III) including L.T. Industrial Services under L.T. Two Part Tariff on account of Tariff Revision.

The Superintending Engineers of Electricity Distribution Circles are requested to go through the G.O. on tariff revision carefully and to adopt revised rates of tariff as mentioned therein. In respect of L.T. Services, other than L.T. Industrial services under L.T. Two Part Tariff, no Special Meter Readings are necessary and proportionate billing may be adopted as per the formula followed during earlier tariff revisions. In regard to H.T. services and L.T. Industrial services under L.T. Two Part Tariff also, proportionate billing may be adopted for demand, wherever there is a change in Demand charges and in respect of energy billing may be done under old rates upto 6—1—2000 and at new rates from 7—1—2000.

It is requested to ensure that the complaints from consumers are avoided in assessing the proportionate consumption.

The ready reckoners with reference to new tariff rates effective from 7—1—2000 may be supplied to the Assessors immediately.

It may be specially noted that in respect of L.T. Domestic tariff I-A, the consumers are differentiated into two categories on the basis of bimonthly consumption upto 100 Units and bimonthly consumption above 100 Units different slab rates are stipulated for each category separately. The above aspect may be taken note of while preparing ready reckoner and Assessors instructed suitably.

Working instructions will be issued separately in respect of the proviso stipulated under LT TF II B relating to actual places of public worship with annual income less than Rs. 1,000/- on receipt of certain clarification/guidelines from the Government.

It is also requested that the Junior Engineers/Assistant Engineers may be instructed to exhibit in the Section Offices, Collection Centres, a Notice Board indicating the revision in tariff rates in Tamil in respect of L.T. services with effect from 7—1—2000 and also arrange to indicate the new rates in white Meter cards of L.T. consumers affixing Rubber Stamp.

The Electricity Tax on consumption of energy which is to be levied on the new tariff rates, wherever applicable should also be levied and collected.

The Salient features of the present G.O. on Tariff Notification is furnished in the Annexure.

It is requested that detailed instructions to the staff concerned may be arranged to be issued immediately.

Frederick David,
Member (Distribution).

Encls : 1. Copy of G.O. (Ms) No. 3 Dt. 7—1—2000.

2. Annexure on Salient Features of Tariff Revision.

Encl. :

Copy of:

GOVERNMENT OF TAMIL NADU

ABSTRACT

Electricity—Electricity tariff—Amendment to the Schedule to the Tamil Nadu Revision of Tariff Rates on supply of Electrical Energy Act, 1978—Notification—Issued.

Energy (A2) Department

G.O. (Ms.) No. 3,

Dated 7—1—2000

Read :

1. G.O. Ms. No. 115, Energy (A2) Deptt., dt. 19—7—1998.
2. G.O. Ms. No. 48, Energy (A2) Deptt., dt. 1—3—1999.
3. G.O. Ms. No. 62, Energy (A2) Deptt., dt. 22—3—1999.
4. G.O. Ms. No. 136, Energy (C3) Deptt., dt. 28—6—1999.
5. From the Chairman, Tamil Nadu Electricity Board D.O. Lr. No. X/CFC/Rev/AO/T/Tf. Rev. for 1999-2000/99, dt. 19—5—1999.

ORDER :

The tariff on the supply of energy by the Tamil Nadu Electricity Board to its consumers was last revised and given effect from 20—7—1998. The resources position of the Tamil Nadu Electricity Board for the year 1999-2000 indicates that there will be a Revenue Deficit of Rs. 1247.89 crore. The Chairman, Tamil Nadu Electricity Board has reported that the estimated huge gap in revenue is due to the inflation in various input costs that go into the generation of power and also due to increase in purchase of power from central generating power stations, independent power projects and others. These factors necessitate tariff revision so as to accommodate the increase in prices and to bridge the revenue gap partially. Further, the Board has to maintain at least 3% return on capital base at the beginning of every year and to maintain Debt Service Coverage Ratio of 1 : 1 : 1 as per Asian Development Bank covenants. Hence, the Tamil Nadu Electricity Board has proposed upward revision of the tariff rates.

2. The Government have considered the proposals sent by the Chairman, Tamil Nadu Electricity Board carefully taking into account the need for additional revenue required by the Tamil Nadu Electricity Board and the paying capacity of the various categories of consumers. The Government, after careful examination, have decided to revise the tariff in respect of various categories of consumers as indicated in the Notification below.

3. The following Notification will be published in an Extraordinary issue of the Tamil Nadu Government Gazette dated 7th January 2000.

NOTIFICATION

In exercise of the powers conferred by section 4 of the Tamil Nadu Revision of Tariff Rates on Supply of Electrical Energy Act 1978 (Tamil Nadu Act I of 1979), the Governor of Tamil Nadu hereby makes the following amendment to the Schedule to the said Act.

2. The amendment hereby made shall come into force on the 7th January 2000.

AMENDMENT

In the said Act, for the Schedule, the following Schedule shall be substituted, namely :—

THE SCHEDULE

(See section 3)

PART—A

HIGH TENSION SUPPLY

High Tension Tariff I :

Registered factories, tea estates, textiles, railway tractions, fertilizers, Salem Steel Plant, Heavy Water Plant, Caustic Soda, Calcium Carbide, Aluminium and Potassium Chlorate, Software Industries including maintenance, service and Training Institutions and Hardware Units and all other industrial establishments.

Area	Rate per KWH (in paise)	Rate per KVA of Maximum Demand charges per month (in rupees)
Chennai Metropolitan	350	150
Non-Metropolitan	340	150

(a) New High Tension Industries set up in any area on or after 15th February 1997 shall not be eligible for any tariff concession :

Provided that the High Tension Industries set up in any area other than Chennai Metropolitan area before 15th February 1997 shall continue to avail themselves of the said tariff concession until the expiry of the period of three years from the date on which the consumer is given service connection.

(b) New Industry to be set up in the areas other than the Chennai Metropolitan area which will work night shift only and existing industry, which has only night shift between 9-30 p.m. of a day and 5-30 a.m. of the next day, shall be given a concession of 40 percent of the appropriate rate for energy consumed during night shift only for a period of seven months from July to January during a period of five years from the date of giving service connection. This concession shall apply to energy rate arrived at after giving the concession if any :

Provided that in respect of those having one day shift and one night shift the night shift concession shall stand reduced from 40 percent to 20 percent.

EXPLANATION 1. For the purpose of this clause, an industry may be considered to be set up on the date of obtaining High Tension Service Connection.

EXPLANATION 2. For the purpose of this clause "Existing Industry" means an industry which has not completed five years from the date, the consumer is given service connection and which is still eligible to the concessional tariff rate.

(c) (i) If a consumer availing himself of High Tension Supply under this tariff does not for any reason utilise the power load for more than thirty days, then the current consumption charges for the power utilised in the service for lighting and non-industrial purpose shall be billed under High Tension Tariff III.

(ii) In the case of supply under High Tension Tariff I the use of electricity for bonafide purposes of lighting, heating and power loads in the residential quarters within the factory or in the estate premises shall be metered separately by the consumer taking High Tension Supply and paid for to the Board at Low Tension Tariff IA. The units so metered shall be deducted from the total number of units registered in the main meter of the High Tension Supply for billing purposes.

(d) For the High Tension Industrial consumers, Time of the Day meter shall be provided. On installation of Time of the Day meters, the High Tension Industrial consumers shall be billed at 20 percent extra on the energy charges for the energy recorded during peak load hours. The duration of peak load hours shall be as under :

1. 6 00 a.m. to 9.00 a.m.
2. 6.00 p.m. to 9.00 p.m.

HIGH TENSION TARIFF—II:

Recognised educational institutions, hostels run by recognised educational institutions, Government Hospitals, Hospitals under the control of Panchayat Unions, Municipalities or Corporation, Veterinary hospitals, Leprosy sub-Centres, Primary Health Centres, Health Sub Centres, actual Places of Public Worship, Orphanages, Public Libraries, Water works, Public Lighting, Public Sewerage Works by Government/Local Bodies, Laboratories, Research Institutions, Studios, Cinema Theatres and such other Institutions declared by the Government from time to time.

Area	Rate per KWH	Rate per KVA of maximum demand per month
(1)	(2)	(3)
	(in paise)	(in rupees)
Chennai Metropolitan	290	125
Non-Metropolitan	280	125

In the case of supply under High Tension Tariff-II the usage of electricity for bonafide purposes of lighting, heating and power loads in the residential quarters within the premises shall be metered separately by the consumer, taking High Tension Supply and paid for to the Board at Low Tension Tariff I-A. The units so metered shall be deducted from the total number of units registered in the main meter of the High Tension Supply for billing purposes.

HIGH TENSION TARIFF—III

Commercial and all categories of consumers not covered under High Tension Tariff I, II, IV and V.

Area	Rate per KWH	Rate per KVA of maximum demand per month
(1)	(2)	(3)
	(in paise)	(in rupees)
Chennai Metropolitan	390	200
Non-Metropolitan	380	200

Provided that the industries requiring High Tension Supply during construction period shall be charged under this tariff.

In the case of supply under High Tension Tariff III; the usage of electricity for bonafide purposes of lighting, heating and power loads in the residential quarters within the factory or in the estate premises shall be metered separately by the Consumer, taking High Tension Supply and paid for to the Board at Low Tension Tariff I A. The units so metered shall be deducted from the total number of units registered in the main meter of the High Tension Supply for billing purposes.

New Tourism projects set up in any area on or after 15th February 1997 shall not be eligible for any tariff concession :

Provided that the New Tourism Projects set up before 15th February 1997 and availing themselves tariff concession shall continue to avail themselves the said tariff concession until the expiry of the period of three years from the date the consumer is given service connection.

B. B.—9 (Jan. 2000)

HIGH TENSION TARIFF IV :—

Rate per KWH (in paise)

**Lift Irrigation Co-operative
Societies for Agriculture****25**

EXPLANATION : The Lift Irrigation Co-operative Societies for Agriculture may be registered with Registrar of Co-operative Societies or under any other Act.

HIGH TENSION TARIFF V :—

Supply to Pondicherry State shall be at the Thermal Station I rate charged by the Neyveli Lignite Corporation to the Tamil Nadu Electricity Board plus wheeling charge at 10 paise KWH plus 4 per cent on the energy wheeled towards transmission loss.

General provisions applicable to consumers covered under High Tension Tariffs I to V :—

(i) Any High Tension Supply involving a sanctioned demand above 5,000 KVA plus 2 percent marginal adjustment shall be given supply only at 33 KV, if available in the area or at EHT voltage;

(ii) Time limit to avail of supply at 33 KV or EHT Voltage :—

(a) Category I—Existing High Tension Consumers, whose sanctioned demand exceeds 5,000 KVA have been given time upto 31st August 1985 to avail themselves of supply at the voltage indicated in item (i) above.

(b) Category II—Existing High Tension Consumers whose sanctioned demand is 5,000 KVA or less and who require additional demand by which the total sanctioned demand would exceed 5,000 KVA shall be given the additional demand only after they are ready to avail the supply at the voltage indicated in item (i) above.

(c) Category III—New High Tension Consumers requesting supply for a demand above 5,000 KVA shall be given supply only at the voltage indicated in item (i) above.

(iii) Extra Levy—(a) Category I — In the case of existing High Tension Consumers whose sanctioned demand exceeds 5000 KVA and who do not avail themselves of supply at the voltage indicated in item (i) within the stipulated period they shall be charged an extra levy of ten paise per KWH over and above the normal tariff, for the entire energy consumed.

(b) Category II — The existing High Tension Consumers whose sanctioned demand, with the additional demand sanctioned exceeds 5,000 KVA may be with the approval of the Board be allowed the additional demand at the High Tension Supply itself for a period not exceeding 12 months from the date of sanction of the additional demand provided they agree to be charged the extra levy of ten paise per KWH over and above the normal tariff for the entire energy consumed till they avail themselves of the supply at 33 KV or at EHT voltage as may be applicable.

(iv) Power Factor/Low Factor surcharge — In respect of High Tension service connections the average power factor of the consumers installation shall not be less than 0.90 lag. Where the

average power factor of High Tension service connection is less than the stipulated limit of 0.90 lag, the following compensation charges will be levied.

Below 0.90 lag and up to 0.85	1 percent of the current consumption charges for every reduction of 0.01 in power factor.
Below 0.85 to 0.75	One and half percent of the current consumption charges for every reduction of 0.01 in power factor from 0.90.
Below 0.75	2 percent of the current consumption charges for every reduction of 0.01 in power factor from 0.90.

Current consumption charges include the charges of recorded demand and the energy charges at notified tariff rate excluding concessions, if any.

(v) Billable Demand—The Maximum Demand charges for any month and at the point of supply shall be based on the KVA demand recorded in that month or 100 percent of the sanctioned demand whichever is higher.

PART—B

LOW TENSION SUPPLY

LOW TENSION TARIFF —I-A

Domestic purposes for Lights and fans including radios and power loads :—

1 Fixed Charges—

(a) Current Transformer services	—	Rs. 1 per KW per month
(b) Other services	—	
(i) For consumption up to 50 KWH per month/100 KWH for two months.	—	No fixed charges.
(ii) Others	—	Rs. 5 per service per month or Rs. 10 per service for two months.

PLUS

2. Energy charges :—

- (i) In the case of consumption up to and including 50 units per month/100 units for two months :
- | | |
|--|-------------------|
| (a) For consumption up to 25 KWH per month/ 50 KWH for two months | —65 paise per KWH |
| (b) For consumption from 26 KWH to 50 KWH per month/51 KWH to 100 KWH for two months | —75 paise per KWH |

ii) In the case of consumption more than 50 units per month/100 units for two months :

a) For consumption up to 25 KWH per month/50 KWH for two months — 75 paise per KWH

b) For consumption from 26 KWH to 50 KWH per month/51 KWH to 100 KWH for 2 months — 85 paise per KWH

c) For consumption from 51 KWH to 100 KWH per month/101 KWH to 200 KWH for two months — 150 paise per KWH

d) For consumption from 101 KWH to 300 KWH per month/201 KWH to 600 KWH for two months — 220 paise per KWH

e) For consumption of 301 KWH and above per month/601 KWH and above for two months — 305 paise per KWH

Minimum monthly charges — Rs. 10/- per service

This tariff is restricted to services which are exclusively domestic and to the following services :—

i) Handlooms in residence of handloom weavers (regardless of the fact whether outside labour is employed or not) and to handlooms in sheds erected where energy is availed of only for lighting purposes.

ii) Public conveniences maintained and run by the local bodies and by such other organisations as are specified by the Government from time to time.

iii) Community Nutrition Centres and Block Offices of Tamil Nadu Integrated Nutrition Project.

iv) Anganwadi Centres, Nutritious Meals Centres and School Buildings associated with the Government Welfare Schemes.

LOW TENSION TARIFF 1-B :

Huts in Village Panchayats, Houses constructed under Jawahar Vela Vaipu Thittam, TAHDCO and Kamarajar Adi-Dravidar Housing Scheme and Huts in Town Panchayats in Kanyakumari District alone—No Charge.

Explanation—I—Hut means a living place not exceeding 200 sq. ft. area with mud wall and thatched roof.

Explanation—II—Only one light not exceeding 40 watts shall be permitted per hut.

LOW TENSION TARIFF II A:

Public Lighting and Public Water-Supply System —

Area (1)	Energy Charges (2)
Public Lighting and Public Water-Supply System in Village Panchayats, Town Panchayats and Township areas	... 160 paise per KWH
Public Lighting and Public Water Supply System in Municipalities and Municipal Corporation areas	... 175 paise per KWH
Minimum monthly charges	... Rs. 20 per Service

LOW TENSION TARIFF II-B:

Recognised Educational Institutions, Hostels run by Recognised Educational Institutions, Hostels run by the Adi Dravidar and Tribal Welfare and Backward Class Welfare Department, Government Hospitals, Hospital under the control of the Panchayat Unions, Municipalities or Corporation, Veterinary Hospitals, Leprosy sub-Centres, Primary Health Centres, Health Sub-Centres, Laboratories, Research Institutes, Studios, Cinema Theatres, actual places of Public Worship, Orphanages, Public Libraries, Homes for Destitute and Old People, Flood lighting arrangements in the Rock Fort Temple, its environs and the roads and pathways leading to the Temple at Tiruchirappalli and such other Institutions declared by the Government.

1. Fixed Charges —

- a) Current Transformer services ... Re. 1 per KW per month
- b) Other services ... Rs. 10 per service per month
or Rs. 20/- per service for 2 months,

PLUS

2. Energy Charges —

Area (1)	Rate per KWH (2)
	(in paise)
Chennai Metropolitan area	... 310
Non-Metropolitan area	... 300
Minimum monthly charges	... Rs. 20 per service

Provided that the actual places of public worship having an annual income of less than one thousand rupees shall not be charged for burning of one light not exceeding power of hundred watts from 6.00 p.m. to 10.00 p.m. with restriction of 500 units per annum, by installing a meter.

LOW TENSION TARIFF III A:

Cottage and Tiny Industries, Small Gem Cutting units where Cutting operation is done with or without power, Powerlooms, Sericulture and Floriculture :-

1. Fixed Charges— Rs. 30 per service per month or Rs. 60 per service for 2 months

PLUS

2. Energy Charges—
- a) For consumption up to 250 KWH per month/up to 500 KWH for two months —140 paise per KWH
- b) For consumption from 251 KWH to 750 KWH per month/from 501 KWH to 1500 KWH for two months —225 paise per KWH
- c) For consumption of 751 KWH and above per month/1501 KWH and above for two months —250 paise per KWH
- Minimum monthly charges —Rs. 30 per service

Provided that the connected load shall not exceed 10 Horse Power.

Supply to welding sets will be classified under Low Tension Tariff III B :

LOW TENSION TARIFF III-B :

Coffee grinding, Ice Factory, Body Building Unit, Saw Mill, Rice Mill, Flour Mill, Prawn Farming, Poultry Farming, Battery Charging Unit and Industries not covered under Low Tension Tariff III A :-

1. Fixed Charges—
- a) Current Transformer services —Re. 1 per KW per month
- b) Other Services —Rs. 30 per service per month or Rs. 60 per service for 2 months

PLUS

2. Energy charges—

	Chennai Metropolitan areas (1)	Non-Metropolitan areas (2)
	Paise/KWH	Paise/KWH
a) Rate for the consumption up to 750 KWH per month or 1,500 KWH for two months	330	320
b) Rate for the consumption 751 KWH and above per month or 1501 KWH and above for two months	400	390
Minimum monthly charges of contracted load	—Rs. 40 per KW or part thereof	

EXPLANATION II—The 15 percent restriction on lighting and other non-industrial purposes connected with the factory within the factory premises is relaxed under this category of Information Technology Industries. The monthly minimum charges shall be based on total connected load which also includes lighting.

LOW TENSION TARIFF IV :

Agriculture and the Government Seed farms.....No charge

Provided that for the agriculturists having power connection for their pumpsets by payment of Rs. 10000/- (Rupees ten thousand only) or the actual cost of extension of power connection, as the case may be, the rate of tariff shall be Rs. 250/- (Rupees two hundred and fifty only) per Horse Power per annum or metered tariff at the rate of fifty paise per KWH, at the option of the consumer.

EXPLANATION I—(a) Agriculturists shall be permitted lighting up to 50 watts per 1000 watts of motive/power connected subjects to a maximum of 150 watts inclusive of wattage of pilot lamps each of which shall not exceed 15 watts and with not more than 3 lamps (excluding pilot lamps) for lighting the farm or the field around the pumpsets Energy used for radios or other appliances including domestic appliances in the farm houses shall be metered separately and charged for at the appropriate tariff.

(b) Agriculturists shall be permitted to use the water pumped from the well and stored in overhead tanks for bonafide domestic purposes in the farm house.

The farm house, shall be in close proximity not exceeding 150 feet from the well.

EXPLANATION II—Extra lighting in agricultural services over the permissible limit shall be charged for, if separately metered as per Low Tension Tariff V and if not separately metered a flat rate of Rs. 10 per month per 40 watts lamp (ordinary) or larger wattage of lamps in proportion. If fluorescent and mercury vapour lamps are connected, the flat rate shall be enhanced by 50 per cent.

LOW TENSION TARIFF V :

Commercial and all categories of consumers not covered under Low Tension Tariff IA, IB, IIA, IIB, IIIA, IIIB and IV:

Fixed Charges :

- (a) Current transformer service ...Re. 1 per KW per month
 (b) Other Services ...Rs. 10 per service per month or Rs. 20 per service for two months.

PLUS

2. Energy charges—

	Chennai Metropolitan areas	Non-Metropolitan areas
	Paise/KWH	Paise/KWH
(a) Rate for the consumption upto and inclusive of 100 KWH/per month or 200 KWH for two months	385	375
(b) Rate for the consumption from 101 KWH and above per month or 201 KWH and above for two months	435	425
Minimum monthly charges	Rs. 25 per service	

General provisions applicable to consumers covered under Low Tension Tariff I(A), I(B), II(A), II(B), III(A), III(B), IV and V.

The L.T./C.T. services after provision of Electronics Energy Meters should maintain a Power Factor of not less than 0.85 lag. The non-maintenance of Power Factor will entail a levy or penalty as below :

- Below 0.85 lag and up to 0.75 ...One per cent of the current consumption charges for every reduction of 0.01 in power factor from 0.85
- Below 0.75 ...One and half per cent of the current consumption charges for every reduction of 0.01 in power factor from 0.85.

PART C

TEMPORARY SUPPLY

	Rate (1)	Minimum (2)
(a) Lighting or combined installation of lights and fans mixed load of lights and power exhibition motive power and heating	Rs. 8 per KWH	Rs. 35 per KW per day or part thereof
(b) Lavish illuminations	Rs. 15 per KWH	Rs. 90 per KW per day or part thereof.

Explanation—The rate for lavish illumination shall apply to weddings, garden parties and other private functions where the illumination is obtained through bulbs fastened in out surfaces of walls of buildings on trees and poles inside the compound and in pandals, etc., outside the main building.

All other cases of illumination, obtained through bulbs intended on outer surface of walls of buildings on trees and poles inside the compound and in pandals etc. outside the main building shall be charged as for temporary supply.

- (c) For extension of supply to Sugarcane crushing operations by agriculturists ... No charge

PART D

GENERAL

The above tariffs shall be read with the general terms and conditions of supply prescribed by the Tamil Nadu Electricity Board from time to time.

(By Order of the Governor)

Lal Rawna Sailo,
Secretary to Government.

(True Copy)

ANNEXURE**Sallent features of Tariff Revision**

Ordered in G. O. Ms: No. 3, Dated 7—1—2000.

Part — A**HIGH TENSION SUPPLY****1. H.T. TARIFF-I**

(a) There is an increase of 20 p./Unit in respect of energy charges. The Existing explanation Clause has been renumbered as explanation 2 and new explanation Clause has been added as Explanation 1 as below :—

“For the purpose of this clause, an industry may be considered to be set up on the date of obtaining High Tension service connection”.

2. H.T. TARIFF-II

(a) There is an increase of 35 paise/Unit in respect of energy charges and Rs. 15/- per KVA in respect of Demand charges.

3. H.T. TARIFF-III

(a) There is an increase of 45 paise per Unit in respect of energy charges and Rs. 30/- per KVA in respect of demand charges.

4. H.T. TARIFF-IV

No change.

5. H.T. TARIFF-V

No change.

Part — B**LOW TENSION SUPPLY****1. L.T. TARIFF-IA**

- (a) Fixed charges — There is no change in the Fixed charges.
- (b) Energy charges — The consumers are differentiated into two categories on the basis of bimonthly consumption.
- (i) In the first category of consumers with bimonthly consumption up to 100 Units, only two slab rates have been stipulated. There is no change in rates.
- (ii) In the second category of consumers with bimonthly consumption more than 100 units, there is an increase in rates in respect of all the five slabs. as below :—

Increase of 10 P. in the first two slabs, 20 P. in third slab, 25 P. in fourth slab and 30 P. in fifth slab.

2. L.T. TARIFF-I B

No change.

3. L.T. TARIFF-II A

No change.

4. L.T. TARIFF-II B

(a) Fixed charges — There is no change in the fixed charges.

(b) Energy charges — There is an increase of 25 P./Unit.

The following proviso has now been introduced.

“Provided that the actual places of public worship having an annual income of less than one thousand rupees shall not be charged for burning of one light not exceeding power of hundred watts, from 6-00 p.m. to 10.00 p.m. with restriction of 500 units per annum, by installing a meter”.

5. L.T. TARIFF III A

(a) Fixed charges — Fixed charges stipulated for LT CT services has been deleted and in respect of other services there is no change in the Fixed charges.

(b) Energy charges — There is an increase of 10 P./Unit in respect of first slab, 15 P./Unit in respect of second slab and 10 P./Unit in respect of third slab.

6. L.T. TARIFF III B

(a) Fixed charges — There is no change in the Fixed charges.

(b) Energy charges — There is an increase of 20 Paise/Unit in respect of First Slab and 30 Paise/Unit in respect of second slab.

ALTERNATIVE L.T. TARIFF III B

No change in Demand charges and there is an increase of 20 Paise/Unit in energy charges.

7. L.T. TARIFF III C

No change.

8. L.T. TARIFF IV

No change.

9. L.T. Tariff—V.

(a) Fixed charges : There is no change in the Fixed Charges.

(b) Energy charges : There is an increase of 45 Paise/Unit in respect of First slab and 35 Paise/Unit in respect of Second slab.

Part—C**Temporary supply**

(a) There is an increase of Rs. 2/- per KWH and also minimum charges has been increased by Rs. 10/- per KW per day or part thereof in respect of lighting or combined installation of lights and fans, mixed load of lights and power exhibition motive power and heating.

(b) There is an increase of Rs. 3/- per KWH and also minimum charges has been increased by Rs. 20/- per KW per day of Part thereof in respect of Lavish Illumination.

(True Copy)

Encl :

Copy of FAX MESSAGE received from the Member (Distribution), Tamil Nadu Electricity Board, 800, Anna Salai, Chennai - 600 002 addressed to all the CEs. / Distribution.

Government have revised Tariff Rates in G. O. Ms. No. 3, Energy (A2) Department, Dated 07—01—2000 with effect from 07—01—2000. Chief Engineers / Distribution Region are requested to instruct the Superintending Engineers of Electricity Distribution Circles to arrange for taking special Meter Reading for all the H.T. Services (H.T. TF-I, H.T. TF-II & H.T. TF-III) and LT Industrial Services under LT-Two Part Tariff on 7—1—2000. Details follows.

Sd/———dt. 7—1—2000
Member (Distribution)

(True Copy)

Motor Vehicles - Repairs to Vehicles - Revised yearly and cumulative ceiling limits on expenditure towards repairs on par with Government and enhancement of powers of Officers for repairing the Vehicles - Orders - Issued.

(Per.) B.P. (FB) No. 5

(Technical Branch)

Dated 14.1.2000,
Margazhi 30, Pramadhi,
ThiruvalluvarAandu 2031.

Read:

1. B.P.(Ch)No.221 (Technical Branch) dt.23.11.89.
2. G.O.Ms.No.1311 (Home) (Transport IV) dt.13.7.89.
3. B.P.(Ch)No.207 (Technical Branch) dt.24.8.93.
4. B.P.(FB)No.167 (Technical Branch) dt.26.8.99.
5. Extract from the minutes of the 823rd Meeting of the TNEB held on 3.1.2000 Item No.12.

Proceedings:

Consequent to the adoption of life of Board's vehicles on par with Government vehicles vide B.P.Fourth cited, the Tamil Nadu Electricity Board after careful consideration accords approval to adopt the yearly and cumulative ceiling limit on expenditure to Board vehicles on par with ceiling limit imposed in the G.O. Second cited.

Ceiling limits for Board vehicles plying in plains and hilly areas to be adopted is communicated in the Annexure enclosed.

The Tamil Nadu Electricity Board also accords approval to enhance the existing powers of sanction of the Superintending Engineers, Executive Engineers and Assistant Executive Engineers for repairing the vehicles of the Board as detailed below, on account of increase in cost of Automobile spare parts and labour charges.

Sl.No.	Authority	Description	Existing powers as per B.P. (CH)No.221 (Techl. Br.) dt.23.11.89	Enhanced powers
			Rs.	Rs.
1.	Superintending Engineers	1. Heavy vehicles Tractor Trailor, Tipper and other Heavy transport vehicles, Lorries above 7.5 T capacity and Bus.	15,000/-	30,000/-
		2. Lorries upto 7.5 Tonnes and Vans (Fargo, Bedford Std.20 Matador Mahindra, Bajaj etc.)	10,000/-	30,000/-
		3. Jeeps, Cars and Tempos	7,000/-	30,000/-
2.	Executive Engineers	All vehicles	3,000/-	5,000/-
3.	Assistant Executive Engineers	All vehicles	1,500/-	3,000/-

This is however without prejudice to the ceiling limit now fixed.

The existing powers of sanction of the Chief Engineers to sanction the repair estimate of the vehicles of the Board is enhanced upto 75% over and above the cumulative ceiling limits now fixed. All other proposals over and above 75% of the cumulative ceiling limits shall be sent to Chief Engineer/Materials Management for getting the approval of the Chairman.

In general the repair works on vehicles are to be carried out subject to specific budget provisions.

(By Order of the Board)

K. Sethumuthukumarasamy,
Chief Engineer/Materials Management.

Encl: Annexure 1.

B.B. - 11 (Jan. 2000)

Encl:

ANNEXURE

REVISED CEILING LIMIT ON EXPENDITURE TOWARDS REPAIRS ON BOARD'S VEHICLES DUE TO REVISION OF NORMS OF CONDEMNATION OF VEHICLES

Year	Motor Cycles			Light Vehicles (Petrol)			Light Vehicles (Diesel)			Heavy Vehicles			
	Plains & Hills		Hills	Plains		Hills	Plains		Hills	Plains		Hills	
	Yearly	Cumulative	Yearly	Yearly	Cumulative	Yearly	Cumulative	Yearly	Cumulative	Yearly	Cumulative	Yearly	Cumulative
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I	1,100	1,100	3,800	3,800	4,550	4,550	6,450	6,450	6,100	6,100	8,850	8,850	
II	1,300	2,400	6,050	9,850	9,100	13,650	10,950	17,400	12,250	18,350	15,000	23,850	
III	1,500	3,900	8,300	18,150	13,650	27,300	15,550	32,950	18,400	36,750	21,150	45,000	
IV	2,900	6,800	15,150	33,300	19,300	46,600	21,150	54,100	29,400	66,150	32,150	77,150	
			Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	
V	1,200	8,000	6,050	39,350	5,700	52,300	7,600	61,700	7,350	73,500	9,100	86,250	
VI	1,400	9,400	7,300	46,650	12,500	64,800	11,350	73,050	12,250	85,750	15,000	101,250	
VII	600	10,000	16,150	62,800	19,300	84,100	23,200	96,250	29,400	115,150	33,150	134,400	
			Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	Major overhaul	
VIII	**	6,000	7,500	70,300	6,000	90,100	8850	1,05,100	10,000	125,150	12,750	147,150	
IX	**	6,000	**	64,300	7,000	97,100	**	**	10,000	135,150	**	**	
X	**	6,000	**	70,300	8,000	1,05,100	**	**	12,000	147,150	**	**	
After 6 1/2 years Rs. 600 pe, year and the vehicle should be proposed for condemnation when it is found uneconomical to continue further.	After 10 th year, Rs. 6000/- per year and the vehicle should be proposed for condemnation when it is found to be uneconomical to continue further.	After 8 th year, Rs. 6000/- per year and the vehicle should be proposed for condemnation when it is found to be uneconomical to continue further.	After 10 th year, Rs. 8000/- per year the vehicle should be proposed for condemnation when it is found to be uneconomical to continue further.	After 8 th year, Rs. 8000/- per year the vehicle should be proposed for condemnation when it is found to be uneconomical to continue further.	After 10 th year, Rs. 12,000/- per year and the vehicle should be proposed for condemnation when it is found to be uneconomical to continue further.	After 8 th year, Rs. 12,000/- per year and the vehicle should be proposed for condemnation when it is found to be uneconomical to continue further.							

(True Copy)

AMENDMENT No.27

Electricity - Revision of miscellaneous charges - Enhancement of reconnection charges in respect of HT services - Amendment to clause 38 - Schedule Part - II of Terms and Conditions of Supply of Electricity - Orders issued.

(Per.) B.P. (FB) No. 9

(Technical Branch)

Dated: 14.01.2000,
30, Margazhi, Pramathi,
Thiruvalluvar Aandu 2030.

Read :

1. B.P. Ms(FB) No.61 dt,24.12.88.
2. B.P. Ms.(FB) No.189 dt. 16.10.99.
3. Minutes of 823rd meeting of TNEB held on 3.1.2000 (Item No.8).

Proceedings:

The miscellaneous charges to be collected in respect of HT/LT services were revised in B.P. Ms(FB) No.189 dt. 16.10.99, with effect from 1.11.99, and clause 38 of schedule part II of Terms and conditions of supply of Electricity was amended accordingly.

In this revision, the Reconnection fee for H.T. services, has been raised to Rs.1,500/- from Rs.1,000/- with effect from 1.11.99. The increase in the reconnection fees is felt to be low, as the disconnection and reconnection of H.T. services, has to be done by AEE/EE by performing two trips to the site by a vehicle. The expenditure, so incurred is not commensurate with the present increase in Reconnection fee.

Hence, in exercise of the powers conferred by section 49 of Electricity (Supply) Act 1948, Central Act (LIV of 1948), read with section 79(J), the TNEB decided to increase the Reconnection fee for H.T. services from Rs.1,500/- to Rs.3,000/- and accordingly issues the following amendment to the clause 38 Schedule Part II of Terms and Conditions of Supply of Electricity notified in B.P. Ms.(FB) No.61 (Adm. Br.) dt. 24.12.88 and amended upto 31.8.95 and published in Part-VI Section 3(b) of the Tamil Nadu Government Gazette No.7 dt.21.2.96 and further amended subsequently. The amendment shall come into force with effect from 24.01.2000.

In sub-clause 4.00 (Reconnection charges) of main clause 38 schedule part II of Terms and conditions of Supply of Electricity for item 10 (HT Services) the figure Rs.1,500/- may be read as Rs.3,000/-

(By Order of the Board)

Frederick David,
Member (Distribution).

* * *

Circular No. CE/CD/SE/CH/E4/A1/SDM2/D.112/2000, (Techl. Branch), dt. 29.1.2000.

Sub: TNEB - Civil works - Centering works to be done with M.S. Sheet instead of wooden planks - Instructions - Issued.

At present M.S. sheets for centering/form works instead of wooden planks are widely used in view of its economy and due to reduced availability and high cost of Timber. With the use of M.S. Sheet centering the over. all cost of centering is substantially reduced.

Therefore in civil works carried out by the Board, DATA to use only M.S. Sheets or centering (as per PWD Data in Sl. No. 154A, a copy enclosed) for RCC works may be adopted instead of wooden planks except in places where it is absolutely impossible to provide steel centering or found uneconomical. Further the wooden planks may be permitted to be used for petty works of value up to Rs.2 lakhs for centering for RCC works in rural areas, where the M.S. Sheet centering is not readily available and this should be certified by the site Engineer not below the rank of Executive Engineer.

In respect of Lintels, Beams, Plinth Beams, RCC footings wooden plank shuttering may be used for which steel shuttering is difficult and uneconomical to use.

Receipt of this circular may be acknowledged.

V. Murugesan,
Chief Engineer/Civil Designs.

Encl: DATA sheet no.1

(Sent along with U.O. No.CE/CD/SE/CH/E4/A1/D.191 /2000 dt. 17.2.2000)

18. Only M.S.Sheets for boarding to be used instead of wooden planks, except in places where it is absolutely impossible to provide steel centering or found uneconomical.

DATA:

Sl.No.154.A.

Centering for soffits of reinforced cement concrete slabs or plain surfaces including strutting upto 3m high, using M.S.Sheets of size 90cm x 60cm and 'B.G.10' gauge, stiffened with welded M.S.angles of size 25mm x 25mm x 3mm laid over silver oak (country wood) joists of size 10cm x 6.5 cm (spaced at about 90cm C/C) and supported by casurina props of 10 cm to 13cm dia (spaced at 75cm c/c) complying with standard specification and as directed - 10m².

Sub Data 1

Cost of M.S.Sheets and angles for each set weight of M.S.sheets

"B.G.10" guage of size 90cm x 60cm. (3.175m x 7850 x 0.54) = 13.459 or 13.46 Kg.
1000

Weight of M.S.angles of size 25mm x 25mm x 3mm

3.6 x 1.1 Kg/m = 4.00 Kg.

Cost of M.S.sheets of size 90cm x 60cm of 'BG 10' Kg 13.46

Cost of M.S.Angles of size of 25mm x 25mm x 3mm Kg 4.00

Add for cutting, bending, welding charges etc L.S.

Total for each Set(A)

Sub Data 2

Cost of M.S.sheets and angles and silver oak joists and casurina props for 10 m²

Cost of M.S.Sheets and M.S.angles rate as (A) above Nos. 19(B)

Silver oak (Country wood) joists of size 10cm x 6.5cm
at above 90cm centre to centre m³ 0.12

Casurina props 10cm to 13cm dia at 75 cm centre to centre R.M. 98.5 } (C)

Adopting 40 uses for steel sheets and angles and 5 (five) uses for silver oak (country wood) joists and casurina props for one use and for - 10m²

Cost of silver oak joists and cost of steel sheets and angles B/40 (D)

Casurina props C/5 (E)

MAIN DATA: For centering 10 m²

Cost of M.S.Sheets and angles cost worked out at (D) above for one use Nos. 19

Cost of silver oak (Country wood) joists of size 10cm x 6.5cm at
about 90cm centre to centre (for one use from E.) m³ 0.12

Cost of casurina props of 10cm to 13cm dia at Cost for
75cm centre to centre } one use } E R.M. 98.5

one,use E

Add one silver oak planks L.S.

Carpenter I class

Nos. 3.8 ... 9.00

Nos. 5.4

Nos. 1

L.S. ... 9.50

L.S. ... 53.00

Total for 10m²

Rate for 1m²

(True Copy)

Circular Memo. No.ACE/IEMC/EE3/AEE2/F.GS./D.64/2000,(Techl. Branch), Dated 29.1.2000.

Sub : Electricity - Provision of Transformers for multistoreyed buildings having more than 900 Sq.mts. - Instructions.

Ref : 1. Memo.No.SE/IEMC/EE3/AEE2/F.GS./D.166/95,Dated 6.6.95.
2. Memo.No.SE/IEMC/EE3/AEE2/F.GS.D.47/96,Dt.17.2.96.

In continuation to the circulars cited under references, it is informed the following :

As per the above circular and as per Clause 8.08 of Terms and Conditions of supply for extending supply to building having the area of 900 Sq.meters and above the consumer has to provide space within the premises for erection of distribution Transformer.

But cases of extension of supply to multistoreyed buildings having more than 900 Sq.mts. have come wherein no space has been left for erection of Distribution Transformer as per the Terms and Conditions, with an excuse that they have constructed the building without knowing the Tamil Nadu Electricity Board rules.

Hence, it has been decided that, the promoters/ Builders may be informed about the ruling of providing space of 4m x 4m for L.T. and 5m x 6m x 3.7m for H.T. services as per Clause 8.0 of the Terms and Conditions of supply while effecting Temporary service for construction purpose itself, so that there cannot be a plea later on that they are ignorant of the above rule.

Hence all the Superintending Engineers/Electricity Distribution Circles are requested to follow the above procedure strictly.

R. Poornalingam,
Chairman.

* * *

Circular Memo. No.SE/RE&I(D)/RE-III/A2/F.DA/D.11/2000/(Techl. Branch),d.31.1.2000.

Sub : Energising agricultural pumpsets in Dark area blocks - Reg.

Ref : 1. Circular Memo.No.SE/RE&I(D)/RE-III/A2/D.191/99 dt.27.12.99.
2. M(D)'s D.O.Lr.No.SE/RE&I(D)/RE-II/D/F.Agr/D.74/200, dt.20.1.2000.

In partial modification of the orders issued in the reference cited, it is further ordered that the Ground Water Clearance Certificate need not be insisted for shifting of agricultural service within the division and within the same category of block categorised by the Public Works Department as Dark or Grey, as there is no further ground water exploitation is involved by shifting the existing service to another location within the same category of Block area.

Further it is also instructed that in respect of schemes under SFS Rs.50,000, Rs.25,000 and Rs.10,000 categories to achieve the target for 1999-2000 the Ground Water Clearance Certificate need not be insisted upto 31.3.2000. The target fixed under RSFS Rs.50,000 category, may be exceeded wherever the response is good.

Frederick David,
Member(Distribution).

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