



# Hydel Bullet

A Monthly Publication of the Kerala State Electricity Board Engineers Association

## The Format Changes; will the OS too?

And finally the curtain is drawn on our dearest Kerala State Electricity Board. The State Government as per S.R.O 871/2013 decided to reformat the KSE Board, that had been formed under Section 5 of Electricity (S) Act 1948, as a corporate entity under Companies Act 1956 as provided under the new Electricity Act 2003. All the Assets & Liabilities, duties & functions, Rights & obligations etc of erstwhile KSEB, now being vested in State Government with effect from 25<sup>th</sup> September 2008, would be re-vested in the Kerala State Electricity Board Ltd. that was incorporated as a Public Ltd Co. It is ironical that in a State like Kerala, where much hue and cry would be raised on any trivial issue, the reformatting of KSE Board as Kerala State Electricity Board Ltd has not received much attention of the public. The general perception is that even political parties do not give due importance to the matter it really deserves. In any case, one thing for sure is that the pinch will be felt by one and all in due course of time particularly if the proposed amendments in the Electricity Act 2003 materialize in its present form.

Regarding the "reincarnated" form of Kerala State Electricity Board Ltd, we acknowledge the positive intent now shown by the Government by incorporating many of the modifications suggested in the second transfer scheme and in the draft Tripartite Agreement though the same was initially objected to as unwanted and not bound. However, we still apprehend the existence of certain spurious provisions in this tripartite agreement that call for further intervention at Government level.

One major area of dissent is the provision wedged in the Tripartite agreement to the effect of transferring the liability for payment of pension and terminal benefits from the new entity Kerala State Electricity Board Ltd to a Master trust to be formed under Indian Trust Act. This cannot be agreed to at any cost for reasons that we have already been explaining many times. Further, the notification dated 31<sup>st</sup> October, 2013 also envisages the Master Trust to be constituted only to "manage" the funds and disburse the terminal benefits.

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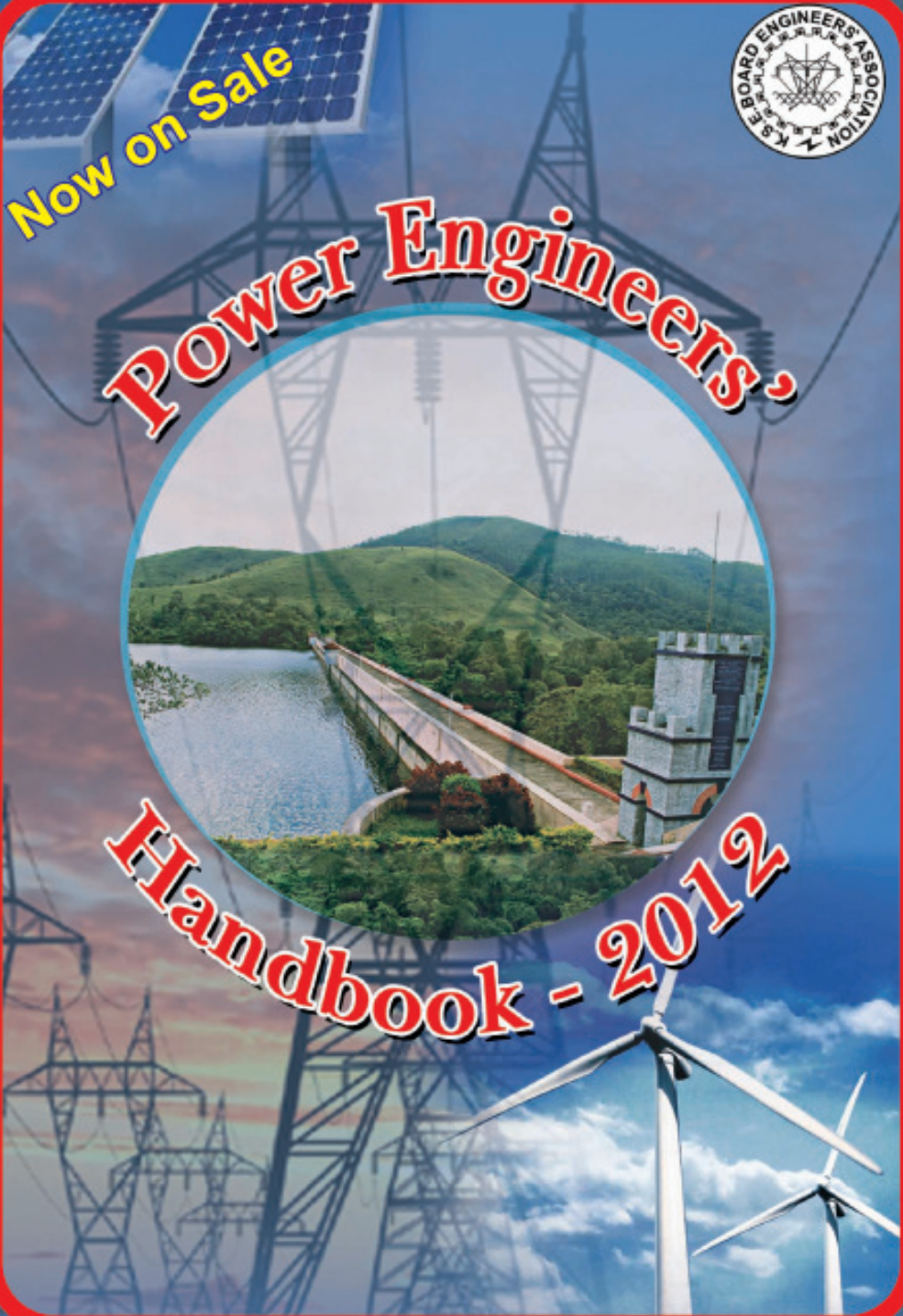
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It is only an arrangement by the new company and for that reason the liability for payment of pension and terminal benefits should rest with the Kerala State Electricity Board Ltd only. This is clearly provided in para 5 (a) and 7 of the above notification though para 5(a) requires minor correction. The so called Master Trust, can at best be an administrator of the fund. The need for such a Trust itself needs a relook by all concerned particularly in view of the paraphernalia likely to be associated with it. At the same time we appreciate the fact that the accrued pension liability as per the actuarial valuation as on the date is shown as a liability of Kerala State Electricity Board Ltd in its opening accounts.

It is observed that the opening balance sheet of KSEB Ltd as on 01-04-2012 is drawn up considering the provisional balance sheet of KSEB as on 31-03-2012. Since the exorbitant quantum of power purchase necessitated during the year 2012-13 can drastically distort the Asset quality, the balance sheet as on the date of revesting of KSEB should actually form the opening balance sheet of Kerala State Electricity Board Ltd with provision for accommodating the accrued pension liability as on the date based on the proposed actuarial valuation. It is also pertinent to ensure that the Regulator should provisionally approve "Regulatory Asset" as an Asset class. If not the same should be shown as the subsidy receivable from Government.

The Single Company Kerala State Electricity Board Ltd proposing to have three separate Strategic Business Units

with separate balance sheets is an item, the legal viability of which is to be ascertained. Will the Registrar of the Companies accept three balance sheets for a single incorporated company while filing mandatory annual returns of the company? If the Government desire to substitute present profit centre concept by cost centre concept, we suggest that instead of going for separate balance sheets for each SBU, separate ARR & ERC may be formulated for each of the SBU which can form the basis for a consolidated Balance Sheet for the Kerala State Electricity Board Ltd

In the transfer of personnel it is provided that all employees will be in the rolls of Kerala State Electricity Board Ltd

and those personnel needed for each of the SBUs will be deputed to the SBU concerned. We suggest that the term "deputed" be substituted with "posted" to avoid procedure chaos & unnecessary confusions associated with deputation, later.

We feel that the above concerns are genuine and are to be addressed positively for becoming a party to the Agreement without dissent. Hence we urge the Government of Kerala and the Management to positively consider the above suggested modifications in the tripartite agreement and in the transfer scheme so that the shock of adaptation to this drastic CHANGE can be minimized to the maximum extent possible.



## FAREWELL

**Er. Edwin Callistus**, Assistant Electrical Subdivision, from KSEB Board's service on Edwin (as he was fondly called) the KSEB Engineers' Association Secretary, South for several body member for many years positions at Unit level. He was auditing the accounts of the Association, more than once.



Executive Engineer, Sakthikulangara retired October 31<sup>st</sup>, 2013. Er. was an ardent member of and served as Organizing terms. He was Governing and also held various also one of the auditors for KSEB Engineers' He joined KSEB in 1989 at

Thrissur, while he was working as Asst. Lecturer at Govt. Polytechnic College, Palakkad. An eminent member of KSEB Engineers' Association who expressed his opinions strongly but always abided by the decisions of the Association, even when it was against his opinion. Er. Edwin Callistus was a true engineer with utmost dedication to his duty. He cared for his fellow engineers and stood by the organization he represented be it the Board or the Engineers' Association. He has been the Unit Secretary of Kollam, for more than eight years and always played a key role in all the activities of the Unit.

KSEB Engineers' Association wishes him and his family an active, prosperous and peaceful retired life.

**GOVERNMENT OF KERALA**  
**Power (C) Department**  
**NOTIFICATION**

G.O. (P) No.46/2013/PD. Dated, Thiruvananthapuram 31st October 2013.

S.R.O. No. 871/2013. -- WHEREAS, in exercise of powers conferred under sub-sections (1), (2), (5), (6) and (7) of section 131 and section 133 of the Electricity Act, 2003 (Central Act 36 of 2003) the Government of Kerala had made the Kerala Electricity First Transfer Scheme, 2008 issued under G.O (Ms.) No.37/2008/PD dated 25th September, 2008 and published as S.R.O. No.990/2008 in the Kerala Gazette Extraordinary No.2090 dated 25th September, 2008, for the purpose of vesting of functions, properties, interests, rights, obligations and liabilities of the Kerala State Electricity Board in the State Government on such terms as agreed to by the Kerala State Electricity Board and the State Government and re-vesting thereof by the State Government in a corporate entity and also for the transfer of personnel of the Board to the corporate entity and for determining the terms and conditions on which such transfers and vesting shall be made;

AND WHEREAS, all the functions, properties and all interests, rights in properties, all rights and liabilities of the Board stand vested in the State Government on such term agreed between the Kerala State Electricity Board and the State Government under the said transfer scheme;

AND WHEREAS, all interests, rights in properties, all rights and liabilities of the Board so vested in the State Government and administered by the Government in the name as 'Kerala State Electricity Board' by appointing a Special Officer and a Managing Committee has to be re-vested in a company, subject to the provisions of the Electricity Act, 2003 and the Kerala Electricity First Transfer Scheme, 2008;

NOW, THEREFORE, in exercise of the powers conferred under sub-section (2) of section 131 of the Electricity Act, 2003, the Government of Kerala hereby make the following Scheme for the transfer (re-vesting) of all the functions, properties and all interests, rights in properties, all rights and liabilities of the Board vested in the State Government under clause 4 of the Kerala Electricity First Transfer Scheme, 2008 and administered by the Government in the name as "Kerala State Electricity Board" to a Company.

**SCHEME**

1. Short title and commencement. - (1) This Scheme may be called the Kerala Electricity Second Transfer Scheme (Re-vesting), 2013.  
(2) It shall come into force at once.
2. Definitions. - (1) In this Scheme, unless the context otherwise requires,-
  - (a) "Act" means the Electricity Act, 2003 ( Central Act 36 of 2003 );
  - (b) "Board" means the Kerala State Electricity Board constituted under sub-section (1) of section 5 of the erstwhile Electricity (Supply) Act, 1948 (54 of 1948), of which, all functions, properties, all interests, assets, liabilities and personnel were vested in the State Government in the name as "Kerala State Electricity Board" after the notification of the Kerala Electricity First Transfer Scheme, 2008 ;

- (c) "Company" means the company incorporated as a fully owned Government Company under the Companies Act, 1956 (Central Act 1 of 1956) ;
- (d) "date of the transfer" means the date of publication of this Transfer Scheme in the Official Gazette ;
- (e) "existing Pensioners" means all the persons eligible for pension as on the date of re-vesting including that of the erstwhile Board and shall include eligible family members of the pensioners;
- (f) "First Transfer Scheme" means the Kerala Electricity First Transfer Scheme, 2008 issued by notification under G. O (Ms) No. 37/2008/PD dated 25th September, 2008 and published as S.R.O No. 990/2008 in the Kerala Gazette Extra ordinary No. 2090 dated 25th September 2008 ;
- (g) "Kerala State Electricity Board (KSEB)" means the undertakings of the Board vested in the Government of Kerala through the Kerala Electricity First Transfer Scheme, 2008, through which the State Government administer the functions of the erstwhile Board by appointing a Special Officer and a Managing Committee till the date of re-vesting of the functions, properties, interests, rights, liabilities, proceedings and personnel to the Transferee in accordance with the Act and this Scheme;
- (h) "Kerala State Electricity Board Limited" means a Company incorporated under the Companies Act, 1956 (Central Act 1 of 1956) fully owned by the Government of Kerala, in which the Government shall re-vest the functions, properties, interests, rights, liabilities, proceedings and personnel in accordance with sub-section (2) of section 131 and section 133 of the Act, and this Scheme;
- (i) "liabilities" include all liabilities, debts, duties, obligations and other outgoings including statutory liabilities and Government levies of whatever nature and contingent liabilities which may arise in regard to the dealings before the date of the re-vesting of the Undertakings of the erstwhile Board under this Scheme;
- (j) "Master Trust" means the Trust to be constituted to manage the funds and disburse terminal benefits, pension, etc. and to ensure the interest of the existing pensioners and the personnel transferred to the Transferee as on the date of re-vesting in respect of payment of Terminal Benefits;
- (k) "personnel" means workmen, employees, staff and officers of the erstwhile Board by whatever name called and includes trainees, if any, for the recruitment in the erstwhile Board and those on deputation from the erstwhile Board to other organizations or institutions;
- (l) "proceedings" means the proceedings of whatever nature including suits, appeals, complaints, petitions, applications, conciliatory, arbitration, whether civil or criminal or otherwise;
- (m) "property" means all assets including power systems, plant, machinery, land, building, offices, stores, furniture, fixtures, vehicles, residential quarters and guest houses and amenities and installations pertaining and attached thereto and other movable and immovable assets, cash in hand, cash at bank, investments, book debts - corporeal and

incorporeal, tangible and intangible assets, benefits, licenses, consents, authorities, registrations, concessions, grants, patents, trade marks and powers of every kind, nature and description whatsoever, privileges, liberties, easements, advantages, benefits and approvals, contracts, deeds, schemes, bonds, shares, agreements and other instruments and interest of whatever nature and wherever situated belonging to the erstwhile Board ;

- (n) "Schedule" means a Schedule appended to this Scheme;
  - (o) "Strategic Business Units (SBUs)" means the three Units of the Kerala State Electricity Board Limited through which the Kerala State Electricity Board Limited shall manage the activities of Transmission, Generation and Distribution, namely:-
    - (i) SBU-T means the Transmission Unit of the Kerala State Electricity Board Limited to which the Transmission sub-undertakings are to be transferred in accordance with this Scheme;
    - (ii) SBU-G means the Generation Unit of the Kerala State Electricity Board Limited to which the Generation sub-undertakings are to be transferred in accordance with this Scheme;
    - (iii) SBU-D means the Distribution Unit of the Kerala State Electricity Board Limited to which the Distribution sub-undertakings are to be transferred in accordance with this Scheme;
  - (p) "State" means the State of Kerala ;
  - (q) "State Government" means the Government of Kerala;
  - (r) "SERC" means the Kerala State Electricity Regulatory Commission;
  - (s) "Successor entity" means the transferee as defined in sub clause (u) of Clause 2;
  - (t) "terminal benefits" means the Kerala State Electricity Board's employee-related liabilities, payments of pension, gratuity, leave encashment, general provident fund and any other retirement benefits and other applicable benefits including the right to have appropriate revisions in the above benefits consistent with the practices that were prevalent in the erstwhile Board ;
  - (u) "Transferee" means the Kerala State Electricity Board Limited.
  - (v) "Tripartite Agreement" means an agreement, entered into between the State Government, the Kerala State Electricity Board Limited and the Employees Unions for protection of Service Conditions and payment of terminal benefits.
  - (w) "Undertaking" means the functions, business properties, interests, rights, liabilities, obligations, proceedings and personnel to the extent and in the manner specified as a part of the undertakings and such other properties, interests, rights, liabilities, obligations, and proceedings of the erstwhile Board and wherever the context so admits shall include the Personnel as specified in this Scheme relevant to the functions;
  - (x) "sub-undertaking" means the functions, business and a block or blocks of properties, interests, rights to the extent and in the manner identified to belong to the functions of transmission, generation, distribution of the erstwhile Board and transferred by this Scheme to the respective Strategic Business Units;
- (2) Words and expressions used in this Scheme and defined in the Act but not defined in this Scheme shall have the same meaning respectively as assigned to them in the Act.



3. Classification of Undertakings of the erstwhile Board .- (1) The undertakings of the Kerala State Electricity Board are classified in the following Schedules, namely :-
  - (a) The Kerala State Electricity Board Limited undertakings as set out in Schedule 'A'
  - (b) Transmission sub-undertakings as set out in Schedule - 'A1'
  - (c) Generation sub-undertaking as set out in Schedule - 'A2'
  - (d) Distribution sub-undertakings as set out in Schedule - 'A3'
- (2) Where the assets of the Undertaking under sub-clause (1) of clause 3 are subject to security documents or arrangements in favour of third parties for any financial assistance or obligation taken by the erstwhile Board or the Kerala State Electricity Board the liabilities arising from such security documents or arrangements shall vest with the Kerala State Electricity Board Limited.
4. Transfer of Undertaking to the State .- In exercise of the powers conferred under sub-sections (1),(2),(5),(6) and (7) of section 131 and section 133 of the Act, the Government of Kerala vide G.O. (Ms) No. 37/2008/PD dated 25th September, 2008 notified the Kerala Electricity First Transfer Scheme for the purpose of vesting the functions, properties, interests, rights, obligations and liabilities of the Kerala State Electricity Board in the State Government on the terms agreed to by the Kerala State Electricity Board and the State Government and the re-vesting thereof by the State Government in the Kerala State Electricity Board Limited, a corporate entity, and also for the transfer of personnel of the Kerala State Electricity Board to the Kerala State Electricity Board Limited and for determining the terms and conditions on which such transfers and vesting shall be made.
5. Transfer of Undertaking by the State to the Kerala State Electricity Board Limited with decentralized functions .- In exercise of the powers conferred to the State Government under Sub clause (1) of clause 6 of the Kerala Electricity First Transfer Scheme dated 25th September, 2008, the State Government hereby re-vest the Undertaking as per sections 131 and 133 of the Electricity Act, 2003, as under:-
  - (i) The functions, properties, liabilities and proceedings as set out in Schedule - 'A' shall stand transferred to and vested in the Kerala State Electricity Board Limited on and from the date of the transfer ;
  - (ii) The functions, business and sub-undertaking, forming part of Transmission as set out in Schedule - 'A1' shall denote SBU-T of Kerala State Electricity Board Limited on and from the date of the transfer;
  - (iii) The functions, business and sub-undertaking, forming part of Generation as set out in Schedule - 'A2' shall denote SBU-G of the Kerala State Electricity Board Limited on and from the date of the transfer;
  - (iv) The functions, business and sub-undertaking, forming part of Distribution as set out in Schedule - 'A3' shall denote SBU-D of Kerala State Electricity Board Limited on and from the date of the transfer ;
  - (v) On such transfer and vesting of the functions, business and undertakings, properties, liabilities and proceedings above and except as otherwise provided, the Kerala State Electricity Board Limited shall be responsible for all functions, contracts, rights, deeds,



schemes, bonds, agreements and other instruments of whatever nature relating to the respective functions, business and undertakings, properties, liabilities and proceedings transferred to it to which the erstwhile Board or KSEB was a party, subsisting or having effect on the date of the transfer, in the same manner as the erstwhile Board or KSEB was liable immediately before the date of the transfer, and the same shall remain in force and effect against or in favour of the Transferee and may be enforced effectively as if the Transferee had been a party thereto;

- (vi) As consideration for the transfer and vesting of the functions, business and undertakings, properties, liabilities and proceedings as specified in this Scheme, Kerala State Electricity Board Limited shall have the financials and opening balance sheet and the Kerala State Electricity Board Limited shall issue shares and for instruments as the State Government may notify by order. The opening Balance Sheet of the Kerala State Electricity Board Limited as on 1st April, 2012 has been drawn up based on provisional Balance Sheet of KSEB as on 31st March, 2012. Any adjustments subsequent will be adjusted within the provisional period of one year from the date of re-vesting;
  - (vii) The State Government may by an order to be issued for the purpose amend, vary, modify, add, delete or otherwise change the terms and conditions specified in the Schedules at any time during the provisional period mentioned in clause 9 of this Scheme ;
  - (viii) Within the provisional period of one year from the date of re-vesting, the accounts of the three SBUs will be segregated by the Transferee so as to facilitate the evaluation of financial performance of these units. Separate balance sheets will be prepared for the three SBUs and suitable transfer pricing mechanism between the SBUs shall be worked out by the Transferee taking into consideration the financial soundness of the three SBUs ;
6. Transfer of Personnel by the State. - (1) The transfer of personnel shall be subject to the terms and conditions contained in sections 133 and 134 of the Act.
- (2) From the date of the transfer, the personnel of the Kerala State Electricity Board shall stand assigned to the services of the Transferee and they shall continue to officiate in the place where they are posted on the date of re-vesting and thereafter shall be under the disposal of the Transferee :

Provided that the transfer shall be governed by the conditions enumerated in Schedule-B of this Scheme;

- (3) The Transferee shall absorb all permanent eligible personnel so transferred to it in its permanent services and the personnel shall form part of the services of the Transferee, in the post, scale of pay etc. in accordance with the orders that may be issued by the Transferee for this purpose, without any further act, deed or thing to be done by the State Government or the personnel and the State Government or the Transferee shall issue appropriate orders in the case of all other provisional, contingent, part time, temporary personnel engaged by the Board or KSEB prior to the vesting;
- (4) All the employees shall remain on the rolls of the Kerala State Electricity Board Limited who shall be responsible for their pay, benefits and other service conditions. The personnel needed by the SBUs shall be deputed to them and their cost shall be accounted as part of the cost of the SBUs. However, the responsibility of managing the personnel shall be with the Kerala State Electricity Board Limited;

- (5) Notwithstanding anything contained elsewhere,
  - (a) the Transferee and the State Government shall be jointly and severally responsible to duly make all such payments to the personnel in respect of the rights, responsibilities, liabilities and obligations and personnel related matters including the statutory dues such as salary, wages, gratuity, pension, provident fund, compensation, terminal and retirement benefits till the date of re-vesting and thereafter by the Transferee ;
  - (b) the KSEB Employees' Welfare fund will be managed in future in the same manner as at present and the existing rules and regulations will continue to govern the functioning of the Employees Welfare Fund ;
- (6) Subject to the provisions of the Act and this Scheme, the Transferee shall be entitled to modify or frame new regulations governing the conditions of service of personnel transferred to the Transferee under this Scheme, with the consent of Government, but the rank, scale of pay, salary, allowances and other pecuniary benefits including terminal benefits after the effective date of the transfer shall not in any manner be inferior to those applicable to them immediately before the date of the transfer.
- (7) In respect of all statutory and other Schemes and employment related matters including the provident fund, gratuity, pension and any other superannuation fund or any other fund created or existing for the benefit of the personnel, the Transferee shall stand substituted for the erstwhile Board for all intents and purposes, rights, powers and obligations of the erstwhile Board and the services of the personnel shall be treated as continuing for the above purpose ;
- (8) The State Government shall notify appropriate arrangements in respect of the funding of the terminal benefits to the extent they are unfunded on the date of the transfer of the Personnel from the erstwhile Board or KSEB. As per actuarial valuation carried out by registered valuer, the provisional figure of unfunded liability is approximately Rs. 7584 Crores (Seven thousand Five hundred and Eighty Four crores) as on 30th September, 2011. Actuarial valuation of terminal liabilities at the time of transfer will be made as provided under clause 9 (3) of the scheme. Till such time arrangements are made, the Transferee and the State Government shall be jointly and severally responsible to duly make such payments to the existing pensioners as well as the personnel who retire after the date of transfer but before the arrangements are put in place. The State Government, Kerala State Electricity Board Limited and employees' union may enter into a tripartite agreement in consideration of the promises and mutual conditions set forth therein. A model Tripartite Agreement is appended as Schedule-C ;
- (9) The State Government will fund Rs.3186 crores (Three thousand One hundred and Eighty six Crores) over a period of next 10 years to the Kerala State Electricity Board Limited on annual basis for meeting the unfunded terminal liabilities.
  - (a) The Kerala State Electricity Board Limited will issue two series of bonds to a master trust.
    - (i) 20 year bond with a coupon of rate 10% p.a. for Rs.5021 Crores (Five thousand and Twenty one crores).
    - (ii) 10 year bond with a coupon of rate 9% p.a. for Rs.2039 Crores (Two thousand and Thirty nine cores).
  - (b) Bonds will be issued to the trust which shall meet the liability of pension etc. in future from the interest and principal repayment from Kerala State Electricity Board Limited against the bonds issued in favour of the trust. With these arrangements the fund shall have a liability towards pension etc. of Rs. 7584 Crores (Seven thousand Five

- hundred and Eighty four crores) (app.) as on 30th September, 2011 with matching investments in securities issued by the Kerala State Electricity Board Limited for Rs. 7060 Crores (Seven thousand and Sixty crores) only.
- (c) Another Rs. 524 crores (Five Hundred and twenty four crores) will be funded by State Government through budgetary provision over the next 10 years in equal installments as per G.O.(Ms) No. 43/2011/PD dated 3rd November, 2011.
- (d) State Government will permit that the electricity duty collected by KSEB for the period from 01-04-2008 to 31-03-2012 to be retained in the Kerala State Electricity Board Limited as its contribution for funding the terminal liability.
- (e) In addition to the interest on bonds and repayment of principal, the Kerala State Electricity Board Limited will be paying the annual pension contribution based on actuarial valuation to the Master Trust in respect of the personnel transferred to the Kerala State Electricity Board Limited. The unfunded liability upto the date of transfer will be borne and shared between the State Government and the Kerala State Electricity Board Limited. Any addition to the liability of Rs. 7584 Crores (Seven thousand Five hundred and Eighty Four crores) will be borne and shared by the State Government and the Kerala State Electricity Board Limited in the ratio of 35.4 : 64.6 respectively.
- (10) All proceedings including disciplinary proceedings pending against the personnel as on the date of vesting and initiated thereafter till re-vesting which relates to misconduct, lapses or acts of commission or omission committed before the date of transfer, shall not abate and may be continued by the Transferee.
- (11) (a) The personnel transferred to the Transferee shall be deemed to have entered into an agreement with the Transferee to repay loans, advances and other sums due and perform obligations undertaken by them to the Board or Kerala State Electricity Board which remain outstanding as on the date of the transfer in the same manner and on the same terms and conditions as existed prior to the vesting.
- (b) The transferee shall make all payments due to the personnel in the same manner and on the same terms and conditions that existed prior to re-vesting subject to relevant Long Term Settlement negotiations and agreements entered into from time to time except in the case of payment of Terminal benefits, which shall be administered through the Master Trust.
- (12) Payment of pension of personal who have joined the service in KSEB on or after 01-04-2013 will be governed by the National Pension System (NPS) adopted vide BO (FB) No. 843/2013 (PRC/335/2013), dated 09-04-2013 and the Government orders, Circulars and guidelines issued from time to time in this regard ;
- (13) KSEB General Provident Fund in respect of employees on the rolls of KSEB as on 31-03-2013 will continue to be managed in the same manner as at present and the existing rules and regulations will continue to govern the functioning of the Provident Fund. The Government in exercise of powers conferred by sub-section 3 of section 8 of the Provident Fund Act, 1925, will issue necessary notification to add the name of the Kerala State Electricity Board Limited, in the Schedule to the Provident Fund Act 1925 to enjoy the benefits under the Act. The employees recruited from 01-04-2013 are covered under the National Pension System (NPS) and will not come under the purview of the Kerala State Electricity Board General Provident Fund constituted under the Provident Fund Act, 1925. Inter transfer of GP Fund with pension fund is banned and separate funds shall be maintained for pension fund;

- (14) Nothing contained in this Scheme shall apply to the personnel of the State Government or other organisations who are on deputation to the Kerala State Electricity Board as on the date of the re-vesting but such personnel shall continue on deputation to the Transferee till the expiry of the term of deputation.
7. Rights and obligations of third parties restricted .- Upon the transfer being effected in accordance with the provisions of the Act and this Scheme, the rights and obligations of all persons shall be restricted to the Transferee. In case anything contrary to the above is found contained in any deed, documents, instruments, agreements or arrangements which such person has with the Government or Kerala State Electricity Board/Board, the same will continue as such, and the third party shall not claim any rights or interest against the State Government or erstwhile Kerala State Electricity Board/Board, except those contained in such deed, documents, instruments, agreements, arrangements, etc.
8. Pending suits, Proceedings, etc. .- (1) All Proceedings of whatever nature by or against the erstwhile Board or the Kerala State Electricity Board pending on the date of the transfer shall not abate or discontinue or otherwise in any way prejudicially affected by reason of the transfer under this Scheme and the proceedings shall be continued, prosecuted and enforced by or against the Transferee ;
  - (2) The proceedings covered under sub-clause (1) above shall be continued in the same manner and to the same extent as it would or might have been continued, prosecuted and enforced by or against the erstwhile Board or Kerala State Electricity Board as if the transfer specified in this Scheme had not been made.
9. Classifications and re-vesting of property, rights, liabilities and proceedings to be provisional in the first instance .-(1) The classification and transfer of Undertakings including personnel under this Scheme, unless otherwise specified in any order made by the State Government, shall be provisional for a period of one year from the date of the transfer;
  - (2) At any time within a period of one year from the date of the transfer, the State Government may by order to be notified, amend, vary, modify, add, reduce, delete or otherwise change terms and conditions of the re-vesting as the State Government may consider appropriate. Any such modifications, additions etc. shall be made only after discussions with Trade Unions/ Associations of officers.
  - (3) Actuarial valuation of terminal liabilities at the time of transfer will be made during the provisional period and necessary arrangements will be made by the Transferee and the State Government to ensure the sufficiency of funds for uninterrupted payment of terminal benefits ;
  - (4) On the expiry of the period of one year from the date of the transfer and subject to any directions given by the State Government, the re-vesting of undertakings, properties, interests, rights, liabilities, personnel and proceedings made in accordance with this Scheme shall become final ;
  - (5) Those undertakings, properties, interests, rights and liabilities left out unnoticed, or not listed specifically in the Schedules or omitted inadvertently or discovered subsequently shall be deemed to have been vested in Government and re-vested to the Transferee on such future date(s) as may be notified by the Government.
10. Autonomy of Management.-The successor entity shall have full powers to take investment decisions and authority to decide with the consent of the state Government on issues of

creation of posts below company level, personnel recruitment and selection, objective performance assessments of personnel, performance linked promotion, compensation and incentives will be made through Kerala Public Service Commission as was done immediately before the date of the transfer. The successor entity on its part shall not be seeking any financial support from the Government except as provided in the scheme and cases mandated by the Act. In the event of successor entity seeking financial assistance in any other circumstances, it shall be governed by any restrictions imposed by Government.

11. Decision of State Government to be final .- (1) If any doubt, dispute, difference or issue arises in regard to the transfer under this Scheme, subject to the provisions of the Act, the decision of the State Government thereon shall be final and binding on all parties.
- (2) The State Government may, by order published in the official Gazette, amend this Scheme and make such provisions, not inconsistent with the provisions of the Act, as may appear to be necessary for effecting re-vesting under this Scheme including notification of supplementary transfer scheme.

By order of the Governor,

Dr.Nivedita P Haran  
Additional Chief Secretary to Government.

#### Explanatory Note

(This does not form part of the notification, but is intended to indicate its general purport).

As per the G.O (Ms) No.29/2008/PD dated 25th August, 2008, the Government have decided to restructure the Kerala State Electricity Board as a company under the Companies Act, 1956 (Central Act 1 of 1956) as stipulated in the Electricity Act, 2003 (Central Act 36 of 2003). Under sections 131 and 133 of the Electricity Act, 2003, the Government are required to prepare a transfer scheme to vest the assets and liabilities of the Kerala State Electricity Board in Government on such terms as agreed to between the Government and the Board and re-vest it in a Government company or in a Company or Companies in accordance with the Transfer Scheme so published.

As per the Kerala Electricity First Transfer Scheme issued by notification under G.O (Ms) No.37/2008/PD dated 25th September, 2008, and published as S.R.O No.990/2008 in the Kerala Gazette Extraordinary No. 2090 dated 25th September, 2008, the Government of Kerala took over all the functions, properties, and all interests, rights in properties, all rights and liabilities of the Kerala State Electricity Board. As per sub-clause (1) of clause 6 of the said Scheme, the functions and undertakings of the Board set out in the Schedule thereto and as vested in Government under clause 4 shall stand re-vested in the company on and from the date of publication the transfer of the scheme to be notified by the State Government for the purpose of re-vesting, subject to the provisions of the Act and the Scheme.

The notification is intended to achieve the above object.

SCHEDULE A  
(See clauses 3 and 5)



**PART I**

**ASSETS, LIABILITIES AND PROPERTIES TO BE VESTED IN THE KERALA  
STATE ELECTRICITY BOARD LIMITED.**

The assets, liabilities, properties and proceedings belonging to the Kerala State Electricity Board concerning the Transmission, Generation and Distribution as listed in Schedules A1, A2 and A3 below shall vest in the Kerala State Electricity Board Limited.

**I. GENERAL**

1. All Independent and stand-alone Rest houses / Installations of the Kerala State Electricity Board.
2. The office establishment and other buildings and lands, not covered in Schedule A1, A2 and A3, which are occupied/used for the activities of the Kerala State Electricity Board as on the effective date of re-vesting.

**II. MISCELLANEOUS**

1. Contracts, agreements, interests and arrangements to the extent they are associated with or related to activities or to the Undertakings or assets referred to in Schedule A1, A2 and A3 and Para I above including power purchase and bulk power transmission agreements.
2. Loans, secured and unsecured to the extent they are associated with or related to activities or to the Undertakings or assets referred to in Schedule A1, A2 and A3 and Para I above.
3. Other current assets to the extent they are associated with or related to activities or to the Undertakings or assets referred to in Schedule A1, A2 and A3 and Para I above.
4. Other Current liabilities and provisions to the extent they are associated with or related to activities or the Undertakings or Assets referred to in Schedule A1, A2 and A3 and Para I above.
5. Contingent liabilities to the extent they are recognized and are associated with or related to, activities or to the Undertakings or Assets referred to in Schedule A1, A2 and A3 and Para I above.
6. Other liabilities to the extent they are associated with or related to activities or to the Undertakings or Assets referred to in Schedule A1, A2 and A3 and Para I above
7. Proceedings to the extent they are associated with or related to activities or to the Undertakings or Assets referred to in Schedule A1, A2 and A3 above and Para I above.
8. Shares, assets, interests and liabilities connected with allotment of Baitarni West Coal block, Cheemeni Thermal Power Project, membership of Indian Energy Exchange and Power Exchange India Ltd, Baitarni West Coal Company limited and shares in Kerala State Power and Infrastructure Development Corporation.
9. Shares, assets, interests and liabilities existing and not mentioned elsewhere in the schedule.
10. Any residual assets or liabilities not forming part of Schedule and not otherwise adjusted or settled by the State Government.

**PART II**

**AGGREGATE ASSETS AND LIABILITIES OF KERALA STATE ELECTRICITY BOARD LIMITED.**

Schedule	Sl.No.	Particulars	Opening Balance Sheet as on 01-04-2012 (Rupees in Crores)
		NET ASSETS	
19	(a)	<b>Net Fixed Assets</b>	
	1	Gross Block	16073.79
	2	Less: Accumulated Depreciation	5314.75
	3	Net Fixed Assets (1 - 2)	10759.04
21	4	Capital Expenditure in Progress	1088.64
22	5	Assets Not in Use	
23	6	Deferred Costs	53.96
24	7	Intangible Assets	
25	8	Investments	19.50
	(b)	<b>Net Current Assets</b>	
26	9	Current Assets	
26 (a)	(a)	Stock	393.63
26 (b)	(b)	Receivables against supply of power	634.86
26 (c)	(c)	Cash and Bank Balance	634.71
26 (d)	(d)	Loans and advances	133.64
26 (e)	(e)	Sundry Receivables	362.30
		<b>Total Current Assets</b>	<b>2159.14</b>
		Less: Total Current Liabilities	
27	10	Security Deposits from Consumers	1583.97
28	11	Other Current Liabilities	2639.02
	12	<b>Total Current Liabilities (10 + 11)</b>	<b>4222.99</b>
	13	Net Current Assets (9 - 12)	<b>(2063.85)</b>
29	14	Subsidies Receivable from Government	524.00
29(a)	15	Net Subsidy Netted Off to be Written Off	
	16	Contribution Receivable from State Govt. towards Pension Liability	3186.00
29(b)	17	Regulatory Asset	924.47
		<b>NET ASSETS (3 to 8 + 13 + 14 to 16)</b>	<b>14491.76</b>
		FINANCED BY	
30	18	Borrowings for Working Capital	1114.49
31	19	Payments due on Capital Liabilities	
32	20	Capital Liabilities	1356.34
33	21	Funds from State Government	
33 A	22	Equity Capital	3499.00
34	23	Contributions, Grants and Subsidies towards Cost of Capital Assets	
35	24	Reserve and Reserve Funds	
35 A	25	Terminal Benefit Fund and Provident Fund	
		(i) Terminal Benefit Fund- Rs.7584.00 Crores	
		(ii) Provident Fund Rs. 937.93 Crores	<b>8521.93</b>
	26	Surplus/(Deficit)	
		<b>TOTAL FUNDS</b>	<b>14491.76</b>

GENERAL

In consideration of the transfer mentioned above, the State Government may, direct Kerala State Electricity Board Limited to issue 349,90,00,000 number of equity shares of Rs. 10 each in favour of the State Government taking into account the assets and liabilities transferred to Kerala State Electricity Board Limited.

**PART III**

**FUNCTIONS AND DUTIES OF KERALA STATE ELECTRICITY BOARD LIMITED.**

To carry out functions as per the objects clause of the Memorandum of Association.

To control/supervise/monitor the functions of the SBUs of Transmission, Generation and Distribution Units.

To carry out the functions related with generation, transmission and distribution of electricity in accordance with the Act and Rules thereunder and this transfer scheme through SBU-T, SBU-G and SBU-D.

To frame policies that will govern the functioning of the three SBUs, coordinate their functioning for achieving the overall strategic goals and to carry out the common functions of the three SBUs.

To manage the human resources of Kerala State Electricity Board Limited, including persons deputed to SBUs, recruitment, training, performance evaluation, promotions, disciplinary actions, pay and emoluments and any other matter related to HR functions.

To administer and manage the existing power purchase contracts and bulk power transmission contracts including the agreements, arrangements, allocation and other commitments for purchase of electricity and transmission thereof.

To enter into power purchase and supply agreements based on long-term, medium-term and short-term demand for power in the State.

To liaise with the governments, regulatory and appellate agencies and other statutory agencies in respect of issues specific to any of the SBUs.

To ensure compliance to various legislations including Company's Act, Taxation laws and to prepare and maintain documents necessary for compliance.

To manage the funds of Kerala State Electricity Board Limited including raising of resources for capital investments for the SBUs, to ensure liquidity, deploy in short, medium or long term surplus funds.

Control over and supervision of Common Assets and the Management of the Common Facilities and Common Services.

To frame the regulations and service conditions of the personnel transferred.

**Any other functions covered under the Memorandum and Articles of Association (MoA & AoA) of the Kerala State Electricity Board Limited.**

SCHEDULE - 'A1'

(See Clause 3 and 5)

TRANSMISSION SUB-UNDERTAKING

PART I

**ASSETS AND LIABILITIES OF KERALA STATE ELECTRICITY BOARD LIMITED (SBU-T)**

The transmission Sub-undertaking shall comprise of all Assets, Liabilities, properties and proceedings, including the following but not limited to them, belonging to the Kerala State Electricity Board, concerning the transmission of electricity: -

**I. TRANSMISSION ASSETS:**

All the Assets and Liabilities belonging to the Kerala State Electricity Board concerning the transmission of electricity including but not limited to the following:

All the existing transmission substations and lines (listed in Annexure 1) as well as those under construction having the capacity to carry electricity at voltages of 33 kV and above (not withstanding the same are presently charged at voltages below 66 kV) of various capacities with all associated and related equipment, including step up, step-down transformers, circuit breakers, metering arrangements and other protective devices with power-line communication system, allied control rooms, load despatch centre, lands (including right of way), buildings, roads and other auxiliary assets spread over within and outside the territory of the State including such assets under construction and assets acquired, transferred or rights of which were vested with the Board by transfer, sale, lease or otherwise, but excluding such constructions or installations lawfully owned and operated by others.

**II. GENERAL ASSETS:**

The following, if they exclusively or primarily pertain to the projects referred to in Para I above or activities related to transmission projects:

Special tools and equipment, material handling equipment, earth movers, bulldozers, concrete mixtures, cranes, trailers, heavy and light vehicles, furniture, fixtures, office equipment, air conditioners, refrigerators, computers and signal systems, spares, consumables, raw materials, lands and civil works installations including roads, buildings, staff quarters, rest houses, properties and structures and their associated buildings, schools, dispensaries, testing laboratories and equipment, workshops, works in progress, machinery and equipment sent for repairs, scraps and obsolete.

**PART II**

**FUNCTIONS AND DUTIES OF KERALA STATE ELECTRICITY BOARD LIMITED.**

(SBU-T)

The functions and duties of the Transmission Unit shall be.-

- (1) to undertake transmission of electricity through intra-State transmission system;
- (2) to discharge all functions of planning and co-ordination relating to intra-state transmission system in coordination with -
  - (i) Central Transmission Utility;
  - (ii) State Governments;
  - (iii) Generating companies;
  - (iv) Regional Power Committees;

- (v) Authority;
  - (vi) Licensees;
  - (vii) any other person notified by the State Government in this behalf;
- (3) to ensure development of an efficient, coordinated and economical system of intra-State transmission lines for smooth flow of electricity from a generating station to the load centres;
- (4) to provide non-discriminatory open access to its transmission system for use by-
- (i) any licensee or generating company on payment of the transmission charges ; or
  - (ii) any consumer as and when such open access is provided by the State commission under sub-section (2) of section 42, on payment of the transmission charges and a surcharge thereon, as may be specified by the State Commission:
- (5) to build, maintain and operate an efficient, coordinated and economical inter-State transmission system or intra-State transmission.
- (6) To develop and execute long term plans for evacuation and supply of power at voltages of and above 33 KV, in consultation and coordination with the other SBUs and under the policy frame work developed by Kerala State Electricity Board Limited so as to satisfy the present and future needs to the generation and distribution SBUs.
- (7) To liaise and comply with the directions of the Regional Load Despatch Centre;
- (8) To carry out the functions of the State Load Despatch Centre;
- (9) Any other functions, duties and responsibilities entrusted by the State Government or as required under the Act.

### **SCHEDULE - A2**

(See clauses 3 and 5)

#### **GENERATION SUB-UNDERTAKINGS**

##### **PART I**

#### **ASSETS AND LIABILITIES OF KERALA STATE ELECTRICITY BOARD LIMITED (SBU-G)**

The Assets and liabilities belonging to the Kerala State Electricity Board concerning the Generation of electricity including but not limited to the following:

##### **I. EXISTING POWER STATIONS:**

The list of existing power stations of Kerala State Electricity Board is attached as Annexure 2.

##### **II. POWER PROJECTS UNDER CONSTRUCTION**

The list of generation projects under construction is attached as Annexure 3.

##### **III. GENERAL ASSETS:**

The following, if they exclusively or primarily pertain to the generating stations or projects referred to in Para I & II above or activities related to such generating stations or projects:

Special tools and equipment, material handling equipment, earth movers, bulldozers, concrete



mixtures, cranes, trailers, heavy and light vehicles, furniture, fixtures, office equipment, air conditioners, refrigerators, computers and signal systems, spares, consumables, raw materials, lands and civil works installations including dams, barrages, canals, tunnels, penstocks, roads, buildings, staff quarters, rest houses, properties and structures and their associated buildings, schools, dispensaries, testing laboratories and equipment, workshops, works in progress, machinery and equipment sent for repairs, scraps and obsolete.

## PART II

### FUNCTIONS AND DUTIES OF KERALA STATE ELECTRICITY BOARD LIMITED. (SBU-G)

The functions and duties of a Generation Unit shall be:

1. To identify potential for and verify the feasibility of, establish, operate and maintain generating stations, tie-lines, sub-stations and dedicated transmission lines (up to the evacuation yards), connected therewith in accordance with the provisions of the Act or the rules or regulations made thereunder.
2. Generation Unit may supply electricity to any licensee or any consumer in accordance with the Act and the rules and regulations made thereunder through SBU-D of Kerala State Electricity Board Limited.

Generation Unit shall :-

- (a) submit technical details regarding its generating stations to the Appropriate Commission and the Authority;
- (b) coordinate with the Central Transmission Utility or the State Transmission Utility, as the case may be, for transmission of the electricity generated by it ;
- (c) comply with the directions of the State Load Despatch centre. Any other functions, duties and responsibilities entrusted by the State Government or as required under the Act.

## SCHEDULE - A3

(See Clauses 3 and 5)

### DISTRIBUTION SUB-UNDERTAKINGS

#### PART I

#### ASSETS AND LIABILITIES OF KERALA STATE ELECTRICITY BOARD LIMITED (SBU-D)

The Assets, liabilities and proceedings belonging to the Kerala State Electricity Board concerning the distribution of electricity in the area of supply in the state of Kerala except in the areas of other distribution licensees including but not limited to the following

#### I. DISTRIBUTION ASSETS:

All 33 kV, 22 kV, 11 kV, LT (Single phase 2 wire to 3 phase 5 wire) lines (with overhead lines aerial bunched cables and underground cables) and substations on different types of supports with various sizes of conductors and step up/step down transformers, breakers protective and metering devices and control rooms, testing laboratories, lands (including right of way), buildings, roads, service connections and installations inside consumer's premises, street lighting and signal systems owned by or leased to the Board but excluding fittings, fixtures and installations owned, by private persons or local authorities, including any of the above assets under construction as on effective date of transfer.

**II. GENERAL ASSETS:**

The following, if they exclusively or primarily pertain to the above mentioned distribution systems, properties or projects or activities related to such distribution systems, properties or projects:

- (a) Special tools and equipment, material handling equipment, earth movers, bulldozers, concrete mixtures, cranes, trailers, heavy and light vehicles, furniture, fixtures, office equipment, air conditioners, compressors, refrigerators, computers and signal systems, spares, consumables, raw materials, lands and civil works installations including roads, buildings, staff quarters, rest houses, properties and structures and their associated buildings, schools, dispensaries, testing laboratories and equipment, training centers, workshops, works in progress, machinery and equipment sent for repairs, scraps and obsolete.
- (b) The office establishment, buildings, lands and all other assets not covered elsewhere in this schedule, which are predominantly occupied/used for the activities of Distribution Undertakings as on the effective date of transfer.

**PART II**

**FUNCTIONS AND DUTIES OF KERALA STATE ELECTRICITY BOARD LIMITED. (SBU-D)**

The functions and duties of Kerala State Electricity Board Limited (SBU-D) to act as distribution licensee to develop and maintain an efficient, co-ordinated and economical distribution system in its area of supply and to supply electricity in accordance with the provisions contained in the Act and further directions of the Kerala State Electricity Regulatory Commission.

Annexure - 1

<b>Sl.No.      Transmission- List of Substations as on 31-03-2012</b>	<b>Sl.No.      Transmission- List of Substations as on 31-03-2012</b>
<b>400 KV SUBSTATIONS</b>	
1.      MADAKKATHARA	1      ADIMALY
<b>220 KV SUBSTATIONS</b>	
1      AREACODE	2      AGASTHYAMOOZHI
2      BRAHMAPURAM	3      ALUVA
3      EDAMON	4      AMBALAPPURAM
4.      EDAPPON	5      AROOR
5      KALAMASSERY	6      ARUVIKKARA
6      KANHIRODE	7      ATHANI
7      KANIAMBETTA	8      ATTINGAL
8      KANJIKKODE (Palakkad)	9      AYARKUNNAM
9      KUNDARA	10      AYATHIL
10      MALAPPARAMBA	11      AYYANPUZHA
11      MYLATTY	12      AZHIKODE
12      NALLALAM	13      CHAKKITTAPPARA
13      PALLOM & new Pallom switching station	14      CHALAKKUDY
14      POTHENCODE	15      CHAVARA
15      SHORNUR	16      CHELARI
16      THALIPPARAMBA	17      CHELLANAM
17      VADAKARA -	18      CHENGALAM (KUMARAKOM)
<b>110 KV SUBSTATIONS</b>	19      CHENGANNOOR
	20      CHERPLASSERY
	21      CHERPU
	22      CHERUPUZHA

<b>Sl.No.</b>	<b>Transmission- List of Substations as on 31-03-2012</b>	<b>Sl.No.</b>	<b>Transmission- List of Substations as on 31-03-2012</b>
23	CHERUVATHUR	69	MALLAPALLY
24	CHEVAYUR	70	MANGAD
25	CHOVVA	71	MANJESWARAM
26	EDAPPAL	72	MANNARKKAD
27	EDAPPALLY	73	MATTANCHERY
28	EDARIKKODE	74	MATTANNUR
29	EDATHUA	75	MAVEKIKKARA
30	EDAYAR	76	MEDICAL COLLEGE (TVM)
31	ERATTUPETTA	77	MELATTOOR
32	EZHIMALA	78	MEPPAYUR
33	GURUVAYUR	79	MULLERIA
34	IRNJALAKKUDA	80	MUNDAYAD
35	IRITTY	81	MUVATTUPUZHA
36	KADAVATHARA	82	NADAPURAM
37	KALLADIKKODE	83	NEDUMANGAD
38	KALLOOR	84	NEW VYTLA
39	KANDANAD	85	NORTH PARUR
40	KANDASSANKADAVU	86	OLLUR
41	KANHANGAD	87	OTTAPPALAM
42	KANJIKKODE	88	PALA
43	KANJIKKUZHI	89	PANOOOR
44	KASARGODE (VIDYANAGAR)	90	PARALI
45	KATTAKKADA	91	PARASSALA
46	KAVANADU	92	PARIPPALLY
47	KAYAMKULAM	93	PARUTHIPPARA
48	KILIMANOOR	94	PATHNAMTHITTA
49	KIZHISSERY	95	PATHANAPRUAM
50	KODAKARA	96	PATHIRIPALA
51	KODUVALLY	97	PAZHAYANGADI
52	KOLLENGODE	98	PAYYANNUR
53	KOOTTANAD	99	PAZHAYANNUR
54	KOPPAM	100	PERUMBAVOOR
55	KOTTARAKKARA	101	PINARAYI
56	KOTTIYAM	102	PIRAVOM
57	KOYILANDY	103	PONNANI
58	KOZHENCHERY	104	POTHANIKKAD
59	KOZHINJAMPARA	105	PULLAZHY
60	KUBANOOR	106	PUNALUR
61	KUNNAMANGALAM (KZD)	107	PUNNAPRA
62	KUNNAMKULAM	108	PUNNAYURKULAM
63	KURUMASSERY	109	RANNY
64	KUTTIPURAM	110	RAYONPURAM
65	KUTTIYADI	111	SASTHAMCOTTA
66	MALAMPUZHA	112	TECHNOPARK
67	MALAPPURAM	113	TER;S
68	MALAYATTOOR	114	THALASSERY

**Sl.No. Transmission- List of Substations as on 31-03-2012**

115	THIRUMALA
116	THRIKKODITHANAM
117	THYCATTUSSERY
118	TIRUR
119	UDUMPANOR
120	VADAKARA
121	VADALLENCHERRY
122	VAIKOM
123	VALAPPAD
124	VARKALA
125	VENNAKARA (PALAKKAD)
126	VIYYUR
127	VYTTILA
128	WALAYAR
129	WISLAND
130	WADAKKENCHERRY
131	WESTHILL

**66 KV SUBSTATIONS**

1	ADOOR
2	ALAPUZHA
3	AMBALAPPARAMBA (MAVOOR)
4	ANCHAL
5	ANGAMALI
6	AYOOR
7	CHANGANASSERY
8	CHERTHALA
9	CHITTUR
10	CHUMATHARA
11	EDAKKARA
12	EDATHALA
13	ERNAKULAM (NORTH)
14	ETTUMANOOR
15	G.I.S. FORT KOCHI
16	GANDHINAGAR
17	GIS LA COMPLEX
18	GIS MARINE DRIVE
19	GIS POWER HOUSE
20	KAKKANAD
21	KANJIRAPPALLY
22	KANNAMPULLY
23	KARIMANAL
24	KARUKUTTY
25	KARUNAGAPPALLY
26	KARUVATTA
27	KATTAPPANA

**Sl.No. Transmission- List of Substations as on 31-03-2012**

28	KATTOOR
29	KEL (UNMANNED)
30	KIZHAKKAMBALAM
31	KOCHINSHIPYARD (PERUMANOOR)
32	KOCHUPAMPA
33	KODUNGALLUR
34	KOODAL
35	KOOTHATTUKULAM
36	KORATTY (MADURA COATS)
37	KOTHAMANGALAM
38	KOTTAYAM
39	KULAMAVU
40	KURAVILANGAD
41	KUTHUMUNDA
42	KUTHUPARAMBA
43	KUTTANAD
44	KUTTIKATTUR
45	MALA
46	MANATHAVADY
47	MANJERI
48	MANKAVE
49	MULAVUKAD
50	MUNDAKKAYAM
51	MANGIARKULANGARA
52	NEDUMKANDOM
53	NEDUMPOIL
54	NEMMARA
55	NEYATTINKARA
56	NILAMBUR
57	NJARACKAL
58	OSSIGIN (KPCL)
59	PALODE
60	PAMPADY
61	PANAMPILLY NAGAR
62	PATHIRAPPALLY
63	PEERUMEDU
64	PERINTHALMANNA
65	PUDUKKAD
66	PUTHENCROUZ
67	PUTHIYARA GIS
68	SREEKANDAPURAM
69	SULTHAN BATHERI
70	THAMARASSERY
71	THIRUVALLA
72	THODUPUZHA
73	THRIKKAKKARA

**Sl.No. Transmission- List of Substations as on 31-03-2012**

74	THRIVENI
75	VANDIPPERIYAR
76	VATTIYOORKAVU
77	VAZHATHOPE
78	VELI
79	VIZHINJAM
80	WALAYAR

**33 KV SUBSTATIONS**

1	ADICHANELLOOR
2	AGALI
3	ALAKKODE
4	ALANGAD
5	ALANELLUR
6	ALATHUR
7	ANANTHAPURAM
8	ANCHANGADI
9	ANTHIKKADU
10	BADIYADUKKA
11	BALUSSERY
12	BELUR
13	CHALISSERY
14	CHAVAKKAD
15	CHELAKKARA
16	CHENGAMANADU
17	CHIRAKKAL
18	CHITTADI
19	CHULLIMANOR
20	DHARMADOM (THALASSERRY TOWN)
21	EDAVANNA
22	ERUMAPETTY
23	EZHUKONE
24	KADACKAL
25	KADUTHURUTHI
26	KAIPAMANGALAM
27	KALADY
28	KALIKAVU
29	KALLAMBALAM
30	KALLETUMKARA
31	KALLOORKADU
32	KALPETTA
33	KANNUR TOWN
34	KARUKACHAL
35	KATTANAM
36	KIDANGOOR
37	KODIYERI

**Sl.No. Transmission- List of Substations as on 31-03-2012**

38	KODUVAYUR
39	KONGAD
40	KONGANNUR
41	KONNI
42	KOORIYAD
43	KOVAPPADY
44	KORATTY
45	KURUMASSERY
46	KURUPPAMBADY
47	KUTHIATHODU
48	KUTTIYATTOR
49	MAKARAPARAMBA
50	MANIYAMPARA
51	MANNAR
52	MAZHUVANNUR
53	MEENAKSHIPURAM
54	MEENANGADI
55	MELADY
56	MULLASSERY
57	MULLORKARA
58	MUNDUR
59	MUTHALAMADA
60	NADUKANI
61	NEELESWARAM
62	NELLIAMPATHY
63	OLLUR-PUTHUR
64	OCHIRA
65	OTHUKKUNGAL
66	PADINJARATHARA
67	PAIKA
68	PALAKKAL
69	PALLASENA
70	PARAPPUKARA
71	PARAPPUR
72	PARIYARAM (Kannur)
73	PARIYARAM (Thrissur)
74	PATTAMBI
75	PATIKADU
76	PAYYANNUR TOWN
77	PAZHASSI
78	PERLA
79	POOMALA
80	POOVAR
81	POOYAPPALLY
82	PULAMANTHOLE
83	PULPALLY



<b>Sl.No.    Transmission- List of Substations as on 31-03-2012</b>	<b>Sl.No.    Transmission- List of Substations as on 31-03-2012</b>
84    PUTHENVELIKKARA	102    THRITHALA
85    PUTHIYATHERUVU	103    UPPUTHARA
86    PUTHOOR	104    URUMI
87    PUTHUR	105    VADAKKEKKARA
88    RAMANATTUKARA	106    VADANAPPALLY
89    RAMAPURAM	107    VAGAMON
90    RANNY-PERINAD	108    VALLUVAMBRUM
91    SREEKRISHNAPURAM	109    VANNAMADA
92    TARUR	110    VARAPUZHA
93    THAKAZHY	111    VELANTHAVALAM
94    THAMBALAMANNA	112    VELLAGALLOOR
95    THAVANOR	113    VELLANUR
96    THAZHEKKODE	114    VELLARADA
97    THIRUNAVAYA	115    VELLIKULANGARA
98    THIRUVALLUR	116    VENJARAMMOODU
99    THOLAMBRA	117    VENGOLA
100    THOTTADA	118    VITHURA
101    THRIKKARIPPUR	119    WANDOOD
	120    WEST ELERY

**Annexure - 2**

**GENERATING STATIONS**

**GENERATING STATIONS (as on 31-03-2012)**

<b>Sl.No.</b>	<b>Name of Station</b>	<b>Installed Capacity (MW)</b>
(1)	(2)	(3)
<b>I. HYDEL</b>		
1.	CHEMBUKADAVU STAGE I (2.7 MW)	2.70
2.	CHEMBUKADAVU STAGE II (3.75 MW)	3.75
3.	IDAMALAYAR-UNIT I, II	75.00
4.	IDUKKI UNIT I-VI	780.00
5.	KAKKAD UNIT I, II	50.00
6.	KALLADA UNIT I, II	15.00
7.	KUTTIYADY UNIT I-III	75.00
8.	KUTTIYADY EXTENSION	50.00
9.	KUTTIADY TAIL RACE	3.75
10.	KUTTIYADY ADDITIONAL EXTENSION	100.00
11.	LOWER MEENMUTTY UNIT I-III	3.50
12.	LOWER PERIYAR UNIT I-III	180.00
13.	MALAMPUZHA	2.50
14.	MALANKARA UNIT I-III	10.50
15.	MATTUPETTY	2.00
16.	NERIAMANGALAM UNIT I-III	52.65
17.	NERIAMANGALAM EXTENSION	25.00

18.	P.L.B.E	1	6.00
19.	PALLIVASAL UNIT I-IV		37.50
20.	PANNIYAR UNIT I, II		32.00
21.	PEPPARA		3.00
22.	POOZHITHODU SMALL HEP		4.80
23.	PORINGALKUTHU UNIT I-IV		32.00
24.	SABARIGIRI UNIT I-VI (Unit # IV under rebuilding)		280.00
25.	SENGULAM UNIT I-IV		48.00
26.	SHOLAYAR UNIT I-III		54.00
27.	URUMI I (3.75 MW)		3.75
28.	URUMI II (2.4 MW)		2.40
29.	RANNI-PERUNAD		4.00
	<b>Hydel Total</b>		<b>1948.80</b>
<b>II THERMAL</b>			
	BRAHMAPURAM UNIT I-V		106.60
	KOZHICKODE DIESEL POWER PLANT UNIT I-VIII		128.00
	<b>Thermal Total</b>		<b>234.60</b>
<b>III WIND</b>			
	KANJIKKODE (9 X 0.225)		2.025
	<b>Wind Total</b>		<b>2.025</b>
	<b>TOTAL INSTALLED CAPACITY (I + II + III)</b>		<b>2185.425</b>

### ANNEXURE - 3

#### Generation Projects under construction as on 31-03-2012.

##### A. Ongoing Schemes

1.	Pallivasal Extension Scheme	-	60
	MW, 164.9 Mu		
2.	Thottiyar HEP	-	40 MW, 99 Mu
3.	Sengulam Augmentation Scheme	-	85 Mu
4.	Chathnakottundada II	-	6 MW, 14.76 Mu
5.	Vilangad SHEP	-	7.5 MW, 22.63 Mu
6.	Peechi SHEP	-	1.25 MW, 3.286 Mu
7.	Barapole SHEP	-	15 MW, 36 Mu
8.	Kakkayam SHEP	-	3 MW, 10.39 Mu
9.	Perumthenaruvi SHEP	-	6 MW, 25.77 Mu
10.	Chimmony SHEP	-	2.5 MW, 6.7 Mu
11.	Sabarigiri (Addl. Capacity)	-	60 MW, 239 Mu

##### B. Tended Schemes

1.	Athirapilly HEP	-	163 MW, 223 Mu
2.	Mankulam HEP	-	40 MW, 82 Mu
3.	Vellthooval SHEP	-	3.6 MW, 12.17 Mu

4. Poringalkuthu SHEP	-	24 MW, 45.02 Mu
5. Anakkayam SHEP	-	7.5 MW, 22.83 Mu
6. Adyanpara SHEP	-	3.5 MW, 9.01 Mu

**SCHEDULE - B**  
**(See clause 6 (2))**  
**RE-VESTING OF PERSONNEL**  
**CONDITIONS OF RE-VESTING**

The re-vesting of personnel shall be subject to the following conditions:

**I. Re-vesting Scheme for employees.-**

- (1) The re-vesting of personnel shall be subject to the terms and conditions contained in section 133 of the Act.
- (2) From the date of publication of the notification of this second transfer scheme, the personnel of the Kerala State Electricity Board shall stand assigned to the services of the Transferee and they shall continue to officiate in the place where they are posted on the date of re-vesting and thereafter shall be under the disposal of the Transferee.
- (3) The Transferee shall absorb all permanent eligible personnel so re-vested to it in its permanent services and the personnel shall form part of the services of the Transferee, in the post, scale of pay etc. in accordance with the orders that may be issued by the Transferee for this purpose, without any further act, deed or anything to be done by the State Government or the personnel and the State Government or the Transferee shall issue appropriate orders in the case of all other provisional, contingent, part time, temporary personnel engaged by the Board or Kerala State Electricity Board prior to the vesting.
- (4) All the employees shall remain on the rolls of Kerala State Electricity Board Limited who shall be responsible for their pay, benefits and other service conditions. The personnel needed by the SBUs shall be deputed to them and their cost shall be accounted as part of the cost of the SBUs. However, the responsibility of managing the personnel shall be with the Kerala State Electricity Board Limited.
- (5) (a) Notwithstanding anything contained elsewhere, the Transferee and the State Government shall be jointly and severally responsible to duly make all such payments to the personnel in respect of the rights, responsibilities, liabilities and obligations and personnel related matters including the statutory dues such as salary, wages, gratuity, pension, provident fund, compensation, terminal and retirement benefits till the date of re-vesting and thereafter by the Transferee.  
(b) Kerala State Electricity Board Employees' Welfare Fund will be managed in future in the same manner as at present and the existing rules and regulations will continue to govern the functioning of the Employees Welfare Fund.
- (6) Subject to the provisions of the Act and this Scheme, the Transferee shall be entitled to modify or frame new regulations governing the conditions of service of personnel re-vested to the Transferee under this Scheme, with the consent of Government, but the rank, scale of pay, salary, allowances and other pecuniary benefits including terminal benefits after the effective date of transfer shall not in any way be inferior to those applicable to them immediately before such re-vesting.

- (7) In respect of all statutory and other schemes and employment related matters including the provident fund, gratuity, pension and any other superannuation fund or any other fund created or existing for the benefit of the personnel, the Transferee shall stand substituted for the erstwhile Board or Kerala State Electricity Board for all intent, purposes, rights, powers and obligations of the erstwhile Board or Kerala State Electricity Board and the services of the personnel shall be treated as continuing for the purpose of the above.
- (8) The State Government shall notify appropriate arrangements in regard to the funding of the terminal benefits to the extent they are unfunded on the date of the transfer of the Personnel from the erstwhile Board. As per actuarial valuation carried out by registered valuer, the provisional figure of unfunded liability is approximately Rs. 7584 Crores as on 30.09.2011. Actuarial valuation of terminal liabilities at the time of transfer will be made as provided under clause 9 (3) of this scheme. Till such time arrangements are made, the Transferee and the State Government shall be jointly and severally responsible to duly make such payments to the existing pensioners as well as the personnel who retire after the date of transfer but before the arrangements are put in place. The State Government, Kerala State Electricity Board Limited and employees' union may enter into a tripartite agreement in consideration of the promises and mutual conditions set forth therein. A model Tripartite Agreement is appended as Schedule-C;
- (9) The State Government will fund Rs. 3186 Crores over a period of next 10 years to Kerala State Electricity Board Limited on annual basis for meeting the unfunded terminal liabilities.

Kerala State Electricity Board Limited will issue two series of bonds to a Master Trust: -

- (i) 20 year bond with a coupon rate of 10% p.a. for Rs. 5021 Crores
- (ii) 10 year bond with a coupon rate of 9% p.a. for Rs. 2039 Crores

Bonds will be issued to the Master Trust to meet the liability of pension etc. in future from the interest and principal repayment from Kerala State Electricity Board Limited against the bonds issued in favour of Master Trust. With these arrangements the Master Trust will have a liability towards pension etc. of Rs. 7584 Crores (approximately) as on 30.09.2011 with matching investments in securities issued by Kerala State Electricity Board Limited for Rs. 7060 Crores only.

Another Rs. 524 Crores will be funded by State Government through budgetary provision over next 10 years in equal installments as per GO (MS) No. 43/2011/PD dated 3.11.2011.

State Government will permit that the electricity duty collected by Kerala State Electricity Board for a period from 01-04-2008 to 31-03-2012 to be retained in the Kerala State Electricity Board Limited as its contribution for funding the terminal liability.

In addition to the interest on bonds and repayment of principal, Kerala State Electricity Board Limited will be paying the annual pension contribution based on actuarial valuation to the Master Trust in respect of personnel transferred to Kerala State Electricity Board Limited.

The unfunded liability upto the date of transfer will be borne and shared between the State Government and the Kerala State Electricity Board Limited. Any addition to the liability of Rs.7584 Crores will be borne and shared by the State Government and the Kerala State Electricity Board Limited in the ratio of 35.4 : 64.6 respectively.

- (10) All proceedings including disciplinary proceedings pending against the personnel as on the date of vesting and initiated thereafter till re-vesting which relates to misconduct, lapses or acts of commission or omission committed before the date of re-vesting, shall not abate and may be continued by the Transferee.
- (11) The personnel re-vested to the Transferee shall be deemed to have entered into an agreement with the Transferee to repay loans, advances and other sums due and perform obligations undertaken by them to the Kerala State Electricity Board which remain outstanding as on the date of the re-vesting in the same manner and on the same terms and conditions as existed prior to the vesting.

The transferee shall make all payments due to the personnel in the same manner and on the same terms and conditions that existed prior to re-vesting subject to relevant Long Term Settlement negotiations and agreements entered into from time to time except in the case of payment of Terminal benefits, which shall be administered through the Master Trust.
- (12) Payment of pension of personnel who have joined the service in Kerala State Electricity Board on or after 1.4.2013 will be governed by the National Pension System (NPS) adopted vide BO (FB) No. 843/2013 (PRC/335/2013), dated 09.04.2013 and the Government orders, Circulars and guidelines issued from time to time in this regard;
- (13) Kerala State Electricity Board General Provident Fund in respect of employees on the rolls of Kerala State Electricity Board as on 31.3.2013 will continue to be managed in the same manner as at present and the existing rules and regulations will continue to govern the functioning of the Provident Fund. The Government in exercise of powers conferred by sub section 3 of the section 8 of the Provident Fund Act, 1925, will issue necessary notification to add the name of the Kerala State Electricity Board Limited, in the Schedule to the Provident Fund Act of 1925 to enjoy the benefits under the Act. The employees recruited from 01.04.2013 are covered under the National Pension System (NPS) and will not come under the purview of the Kerala State Electricity Board General Provident Fund constituted under the Provident Fund Act of 1925. Inter-transfer of General Provident Fund with pension fund is banned and separate funds shall be maintained for pension fund;
- (14) Nothing contained in this Scheme shall apply to the personnel of the State Government or other organisations who are on deputation to the Kerala State Electricity Board as on date of the re-vesting but such personnel shall continue on deputation to the Transferee till the expiry of the term of deputation.

## **II. Redressal of grievances regarding allocation.-**

- (1) The employees of the Transferee shall be allowed to raise grievance, if any to the Committee for Redressal of Grievances (CRG) which shall be constituted by the Government of Kerala to address such issues.
- (2) The Committee for Redressal of Grievances (CRG) shall consider the grievances of the employees of the transferee within a period of six months from the date of issue of the notification of the second transfer scheme.
- (3) Criteria and procedure for consideration of cases will be decided by the Committee.



**SCHEDULE 'C'**  
**(See clause 6 (8))**

**TRIPARTITE AGREEMENT AMONG GOVERNMENT OF KERALA, KERALA STATE ELECTRICITY BOARD LIMITED AND KSEB EMPLOYEES' UNIONS**

This tripartite agreement entered into this \_\_\_\_\_ day of \_\_\_\_\_ (month & year) among Government of Kerala represented by the Additional Chief Secretary to Government, Power Department (hereinafter called the "State Government") of the first part;

And

Kerala State Electricity Board Limited (Corporate Identity Number U40100KL2011SGC027424), a company incorporated under the Companies Act, 1956 having its Registered Office at Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695 004 represented by its Chairman & Managing Director (hereinafter called "KSEB Ltd.") of the second part;

And

The Unions representing workmen and officers of the erstwhile Kerala State Electricity Board (hereinafter called "Union") represented by their authorized office bearers as listed below of the third part.

Sl. No.	Name of the Union/ Association	Registration Number	Authorised Representative

1. Whereas the Government of Kerala as per GO (Ms) No. 37/2008/PD dated 25.09.2008 notified the Kerala Electricity First Transfer Scheme, 2008 for the purpose of vesting of functions, properties, interests, rights, obligations and liabilities of KSEB to State Government on the terms agreed to by KSEB and State Government.
2. Whereas the Government of Kerala has notified as per GO ----- dated ----- the Kerala Electricity Second Transfer Scheme (Re-vesting), 2013 for re-vesting the functions, properties, interests, rights, obligations and liabilities of Board / KSEB from State Government to Kerala State Electricity Board Limited and also for the transfer of personnel of the erstwhile Board/KSEB to Kerala State Electricity Board Limited and for determining the terms and conditions on which such transfers and re-vesting shall be made.
3. Whereas the State Government, the KSEB Limited and the employees and officers of the Board/ KSEB are desirous of entering into an agreement to ensure the service conditions consequent to

the re-vesting as envisaged under the Electricity Act, 2003 with a view to facilitate smooth implementation of the re-vesting scheme.

4. Now, therefore, in consideration of the promises and mutual conditions set forth herein, it is agreed by and among the parties as follows:

(1) In so far as this Tripartite Agreement is concerned:

- i) **“Board”** means Kerala State Electricity Board constituted under Section 5 of the erstwhile Electricity (Supply) Act, 1948 (54 of 1948), of which all functions, properties, all interests, assets, liabilities and personnel were vested in the State Government in the name of “Kerala State Electricity Board” after the notification of transfer scheme dated 25.09.2008;
  - ii) **“Kerala State Electricity Board (KSEB)”** means the undertakings of the Board vested in Government of Kerala through notification vide S.R.O. No.990/2008 dated 25/09/2008 by which State Government is administering the functions of the Board by appointing the Special Officer and a Managing Committee till the date of re-vesting of the functions, properties, interests, rights, liabilities, proceedings and personnel to the transferee in accordance with the Electricity Act, 2003 and the Kerala Electricity Second Transfer (Re-vesting) Scheme, 2013;
  - iii) **“Kerala State Electricity Board Ltd.”** means the Company incorporated under Companies Act, 1956(1 of 1956) wholly owned by the Government of Kerala, in which the Government will re-vest the functions, properties, interests, rights, liabilities, proceedings and personnel in accordance with Sub-section (2) of Section 131 & Section 133 of Electricity Act, 2003 and the Kerala Electricity Second Transfer (Re-vesting) Scheme, 2013;
  - iv) **“Master Trust”** means the Trust to be constituted to manage the funds and to disburse terminal benefits, pension etc. and ensure interest of the existing pensioners and the personnel transferred to the Kerala State Electricity Board Limited as on the date of re-vesting as regards payment of Terminal Benefits as defined in the Kerala Electricity Second Transfer (Re-vesting) Scheme, 2013.
- (2) The State Government and the KSEB Ltd. hereby guarantee that:
- a) There will be no retrenchment of employees for any reason and their status/services will be protected.
  - b) All the existing permanent employees will be absorbed to KSEB Ltd.
  - c) The terms and conditions of services of the existing employees such as promotions, transfers, wages, compensations, leave, allowances etc. upon transfer to KSEB Ltd. shall continue to be regulated by existing regulations/service rules in vogue and is guaranteed to continue as indicated hereunder.
  - d) With regard to wage/pay revision, the present system of periodic bipartite negotiations and agreements shall continue.
  - e) The State Government and KSEB Ltd. shall take all steps to assure the payment of pension including dearness relief and other terminal benefits of the existing employees and pensioners as on the date of re-vesting, in the same pattern as on today including periodical revisions as applicable. To ensure this the Government has allowed the KSEB Ltd. to retain the electricity duty collected for a limited initial period upto Rs. — — — crores per year and the Government is open to review this retention based on the adequacy of the corpus fund thus created.
  - f) All the existing welfare measures for the existing employees as on the date of re-vesting, like the scheme for compassionate appointment, medical reimbursement, family pension, commutation of pension, voluntary retirement, invalid pension etc. shall be continued.

- g) All benefits of the services rendered by the existing employees in Board/KSEB as on the date of re-vesting shall be protected and be given full effect.
- h) The period of service of the existing employees under the Board/KSEB and under KSEB Ltd. shall be treated as continuous service for the purposes of the service benefits and terminal benefits payable to the personnel.
- i) All the existing welfare benefits to the retired employees shall continue. All obligations in respect of payment of pension and other retirement benefits including provident fund, welfare fund, superannuation pension, encashment of leave and gratuity to the employees who have retired and who are going to be retired from the service of the Board/KSEB as on the date of re-vesting shall be the liability of the KSEB Ltd. and in respect of all statutory and other schemes relating to the employees existing on the date of re-vesting, KSEB Ltd shall stand substituted for the Board/KSEB to all intents and purposes.
- j) The employees of KSEB Ltd. will be paid gratuity as per the Payment of Gratuity Act, 1972.
- k) Liabilities in respect of gratuity and superannuation benefits shall be transferred to the 'Master Trust' to be constituted under the Indian Trust Act, 1882. To meet this liability the KSEB Ltd. will issue bonds to the Master Trust to the extent of the unfunded liability of Rs.7584 Crores as on 30.09.2011. Kerala State Electricity Board Ltd. will issue two series of bonds to the Master Trust.
- 20 year bond with a coupon rate of 10% p.a. for Rs. 5021 Crores.
  - 10 year bond with a coupon rate of 9% p.a. for Rs. 2039 Crores.

Another Rs. 524 crore will be funded by the Government through budgetary provision over next ten years in equal installments as per GO (Ms.) No. 43/2011/PD dated 3.11.2011.

State Government also agrees that the electricity duty collected by KSEB for the period from 01.04.2008 to 31.03.2012 will be retained in the Kerala State Electricity Board Limited as its contribution for funding the terminal liability.

In addition to the above, the KSEB Ltd. will pay the annual pension contribution based on actuarial valuation to the Master Trust in respect of the personnel transferred to KSEB Ltd.

The unfunded liability upto the date of transfer will be borne and shared between the State Government and the Kerala State Electricity Board Ltd. Any addition to the liability of Rs.7584 Crores will be borne and shared by the State Government and the Kerala State Electricity Board Ltd. in the ratio of 35.4 : 64.6 respectively.

The liability of Rs. 7584 Crores to the Master Trust will be funded as per clause 6(9) of the Kerala Electricity Second Transfer (Re-vesting) Scheme, 2013.

The KSEB Ltd. shall pay the Master Trust, the accrued interest on the above bonds for the financial year on the first day of April every year.

- l) If for any reason the Master Trust is not able to meet its obligations relating to payment of pensionary benefits from its fund fully or partially, the State Government and the

- KSEB Ltd shall make good such shortages to ensure the payment of terminal benefits without any defaults.
- m) KSEB Employees Welfare Fund will be managed in future in the same manner as at present under the new set up and after re-vesting, the Governing Body shall meet and resolve on issues like change of name, bank accounts, investments in fixed deposits etc.
  - n) All the existing agreements/settlements and liabilities of KSEB and Board shall be honoured by the KSEB Ltd.
  - o) The existing employees transferred to the service of the KSEB Ltd. shall be deemed to have entered into an agreement/settlement with KSEB Ltd. to fulfill the obligations assumed by them with the Board / KSEB including in respect of repayment of loans, advances and other sums due which remain outstanding from the employees on the effective date. The transferee shall make all payments due to the personnel in the same manner and on the same terms and conditions that existed prior to re-vesting subject to relevant LTS negotiations and agreements entered into from time to time except in the case of payment of Terminal benefits, which shall be administered through the Master Trust.
  - p) Payment of pension of personnel who have joined the service in KSEB on or after 1.4.2013 will be governed by the National Pension System (NPS) adopted vide BO (FB) No. 843/2013 (PRC/335/2013), dated 9.4.2013 and the Government orders, Circulars and guidelines issued from time to time in this regard;
  - q) KSEB General Provident Fund in respect of employees on the rolls of KSEB/Board as on 31.3.2013 will continued to be managed in the same manner as at present and the existing rules and regulations will continue to govern the functioning of the Provident Fund. The Government in exercise of powers conferred by the Sub section 3 of the Section 8 of the Provident Fund Act, 1925, will issue necessary notification to add the name of the Kerala State Electricity Board Ltd, in the Schedule to the Provident Fund Act of 1925 to enjoy the benefits under the Act. The employees recruited from 1.4.2013 are covered under the National Pension System (NPS) and will not come under the purview of the KSEB General Provident Fund constituted under the Provident Fund Act of 1925. Inter-transfer of GP Fund with pension fund is banned and separate funds shall be maintained for pension fund.
  - r) All official proceedings including disciplinary proceedings pending at the time of re-vesting shall be dealt with by KSEB Ltd.
  - s) All the existing workload norms will be continued and changes from time to time will be finalized through mutually negotiated settlements.
  - t) All the appointments now being done through the Kerala Public Service Commission in accordance with the provisions of the Kerala Public Service Commission (Additional Functions) Act, 1963 will continue as such and amendments in this respect, if necessary, will be notified by the Government.

- u) The State Government shall ensure that KSEB Ltd. fulfills all its commitments as agreed upon above and Government will issue necessary orders to this effect.

This Tripartite agreement shall be read in conjunction with the Kerala Electricity Second Transfer (Re-vesting) Scheme, 2013.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives ON THE DAY MONTH AND YEAR FIRST HEREINABOVE WRITTEN.

SIGNED by -----,

Witness

Additional Chief Secretary,  
Power Department,  
Government of Kerala.  
For and on behalf of the Government of Kerala  
(Of the First part)

SIGNED by Shri. -----,  
Chairman & Managing Director

Witness

For and on behalf of Kerala State Electricity Board Ltd,  
Vydyuthi Bhavanam, Pattom, Thiruvananthapuram-4  
(Of the Second part)

Sl. No	Name of Signatory Name of the Union/ Association Registration Number For and on behalf of the Unions representing workmen and officers (Of the Third part)	Signature	Witness	Signature of witness

## STATE LOAD DESPATCH CENTRE AND UTILISATION OF THE STATE RESOURCES: A CRITICAL ANALYSIS IN THE PRESENT POWER SCENERIO INTRODUCTION

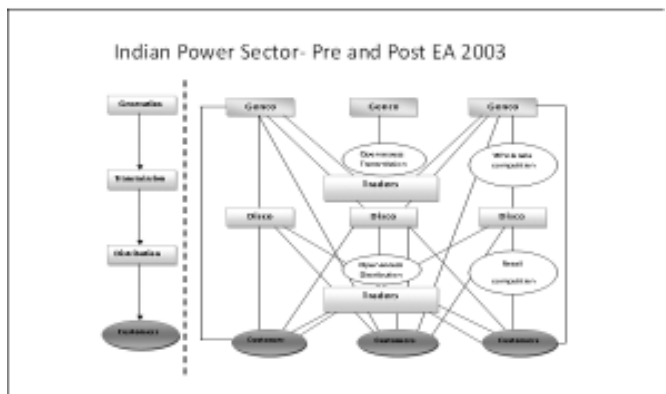
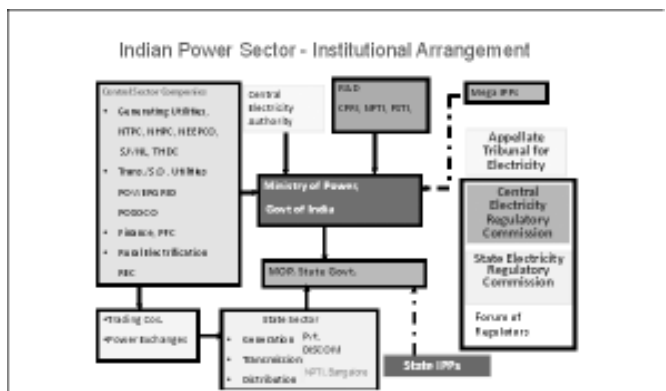
**C.P.George**  
Dy.CE

The electric "Power System" is a complex technical system with diverse stake holders. These include generating utilities, transmission utilities, distribution companies, consumers, manufacturers, market intermediaries, academic institutions, technologists, economists, financial institutions, planners, administrators, government authorities, regulatory bodies and many others. Decisions may involve considerable formal and informal interaction with stakeholders making the power system operation a multidisciplinary task. This calls for an overall understanding of all related areas in addition to the technical aspects.

Functional structure and functional approach has been evolved as a better management technique for the power sector. The spirit of the power sector reform has been projected as functional structure, Functional autonomy and functional freedom.

The major functions in power sector are classified as, Generation, transmission, distribution, system operation, trading and market operation. The overall grid security and system protection aspects come under the responsibility of the system operation where as the aspects of safety & security of Grid elements come under transmission function. The complexity the

interconnected Grid with that of functional variations necessitates the requirement of an independent coordinator and supervisor for the functions of system operation, market operation, for achieving efficiency and economy in every operation, for effective utilisation of the resources and correct input to the planners. **Thus the spirit of the Act is to ensure independence for System Operation.**



## REGULATORY FRAME WORK

According to Section 31 (1) of IE Act; The State Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in a State.

According to Section (2) of IE Act; (2) The State Load Despatch Centre shall -

- (a) be responsible for optimum scheduling and despatch of electricity within a State, in accordance with the contracts entered into with the licensees or the generating companies operating in that State;
- (b) Monitor grid operations;
- (c) keep accounts of the quantity of electricity transmitted through the State grid;
- (d) exercise supervision and control over the intra-state transmission system; and
- (e) be responsible for carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the State Grid Code.

Clause 5(3) of CERC Regulation (IEGC) 2010; describes the procedures/responsibilities of the SLDCs for demand estimation for both Active Power and Reactive Power

According to Clause 5(3) (b) of IEGC; the demand estimation is to be done on daily/weekly/monthly/yearly basis for current year for load - generation balance planning. The SLDC shall carry out system studies for operational planning purposes using this demand estimate.

According to Clause 5(3) (c) of IEGC; each SLDC shall develop methodologies/mechanisms for daily/ weekly/monthly/ yearly demand estimation (MW, MVAR and MWh) for operational purposes. Based on this demand estimate and the estimated availability from different sources, SLDC shall plan demand management measures like load shedding, power cuts, etc. and shall ensure that the same is implemented by the SEB/distribution licensees. All SEBs/distribution licensees shall abide by the demand management measures of the SLDCs and shall also maintain historical database for demand estimation.

According to Clause 5(3)(e) of IEGC; While the demand estimation for operational purposes is to be done on a daily/weekly/monthly basis initially, mechanisms and facilities at SLDCs shall be created at the earliest but not later than 1.1.2011 to facilitate on-line estimation of demand for daily operational use for each 15 minutes block.

According to Clause 5(3) (d) of IEGC; the SLDC through respective State Electricity Boards/Distribution Licensees shall also formulate and implement state-of-the-art demand management schemes for automatic demand management like rotational load shedding, demand response (which may include lower tariff for interruptible loads) etc. before 01.01.2011, to reduce over-drawl in order to comply Clause 5.4.2 (a) and (b) of IEGC. A Report detailing the scheme and periodic reports on progress of implementation of the schemes shall be sent to the Central Commission by the concerned SLDC.

According to Clause 6(4)(5) of IEGC; the Regional grids shall be operated as power pools with decentralized scheduling and despatch, in which the States shall have operational autonomy, and SLDCs shall have the total responsibility for

- (i) scheduling/despatching their own generation (including generation of their embedded licensees),
- (ii) regulating the demand of its control area,
- (iii) scheduling their drawal from the ISGS (within their share in the respective plant's expected capability),
- (iv) permitting long term access, medium term and short term open access transactions for embedded generators/consumers, in accordance with the contracts and
- (v) regulating the net drawal of their control area from the regional grid in accordance with the respective regulations of the CERC.

According to Clause 6(5) (5) (b) of IEGC; the individual transactions for State Utilities/intra-State Entities shall be scheduled by the respective SLDCs. Power Exchange(s) shall send the detailed break up of each point of injection and each point of drawal within the State to respective SLDCs after receipt of acceptance from NLDC. Power Exchange(s) shall ensure necessary coordination with SLDCs for scheduling of the transactions.

According to Clause 5 (4) CEA (Grid Standard) regulation 2010; The State Load Despatch Centre shall in consultation with the concerned transmission licensee, coordinate the annual maintenance plan of

Intra-State transmission system taking into account the annual maintenance plan of generating units and inter-state transmission system decided by the Regional Power Committee.

According to Clause 5 (5) CEA (Grid Standard) regulation 2010; the State Load Despatch Centre shall also review and coordinate the maintenance plan of intra-state transmission system for the next month, taking into account the monthly maintenance plan of generating units and inter-state transmission system prepared by the Regional Power Committee for the next month.

According to Clause 5 (6) CEA (Grid Standard) regulation 2010; the generating company or transmission licensee shall, before actual shut down, obtain the approval of the Appropriate Load Despatch Centre.

According to Clause 6 (1) CEA (Grid Standard) regulation 2010; no Entity shall introduce or take out the element of the grid without the concurrence of the Appropriate Load Despatch Centre except in case of imminent risk of safety of plant and personnel in which case it must intimate Appropriate Load Despatch Centre giving reasons therefore.

According to Clause 6(2) CEA (Grid Standard) regulation 2010; the Appropriate Load Despatch Centre shall inform all affected parties of the outage.

According to Clause 8(1) CEA (Grid Standard) regulation 2010; all operational instructions given by Regional Load Despatch Centres and State Load Despatch Centres through telephone, Fax, e-mail, etc shall be given a unique operating code



number and every Regional Load Despatch Centre and State Load Despatch Centre shall maintain a voice recorder for recording and reproduction of conversation with time tag or stamp.

According to Clause 6(2) CEA (Grid Standard) regulation 2010; the record of instructions referred to in sub-regulation (1) shall be kept for at least six months

According to Clause 6(2) CEA (Grid Standard) regulation 2010; the State Load Despatch Centre shall also develop procedures accordingly for restoration of intra-State system.

### ISSUES, STATUS & ANALYSIS

The Point is we have a well defined statutory frame work assigning a well defined responsibility and role for SLDC in operation and management of the state grid and the resource management of the state. As such the problems faced by the state grid is the lack of empowerment of the state SLDC in tune with the regulatory frame work, conflicting interests and incompetency of the decision makers and management.

Effective grid management requires handling of different but related sets of flows that are critical for optimization of energy resources at the national level. These are the flow of energy across the grid, the exchange of information about power flows and the status of elements it moves across and the flow of money between producers, marketers, transmission owners, buyers and others. 'Load Despatch Centres' (LDCs) play an essential role in managing and improving all the three. Thus, 'load despatching' is an

overarching; distinct and specialized activity.

Under the reform process pursued by the Government of India, the Electricity Supply Industry (ESI) in India is developing at a fast pace. In the rapidly changing scenario, the credibility of the ESI in India is in large measure in the hands of the System Operators at the Load Despatch Centres. They have to be neutral, fair, transparent, and accountable in discharging their duties.

The committee constituted by the Government of India, under the chairmanship of Sri. Gireesh B. Pradhan, went into the details of the functioning of 'Load Despatch Centres' and has arrived at its recommendations in this report. All efforts need to be made to create an environment where the Load Despatch Centres have functional autonomy, independent and sustainable revenue streams and are adequately staffed with people having the right skills, equipment and incentives to deliver.

According to Pradhan committee report, the Major functions carried out by the Load Despatch Centres are

- Load Despatch Centres as System Operators
- Load Despatch Centres as Market Operators
- LDCs as an agent for achieving economy & efficiency
- LDCs as a change agent in the ongoing reforms in ESI
- LDCs for feedback to policy makers, regulators & planners

The rapidly changing scenario in the power sector has resulted in changes in the role of LDCs at all levels. Further, it is essential that the industry has confidence on the competence of the System Operators and their conduct is above suspicion. This is all the more important especially with the rapidly growing economy with increased number of Open access and increasing participation of private players through Ultra Mega Power Projects (UMPPs), Power Exchanges (PXs) and other market mechanisms. System Operation needs to be recognized and nurtured as a distinct faculty within the ESI and the LDCs must be provided with an enabling environment to help them to deliver the desired results.

The most important factor identified for achieving the envisaged goal is the competency of the System Operators. (System Operators means all engineers from AE to CE, involved with the SLDC in operations and decision making). Accordingly a system of Training and Certification for System Operators has been put in place through NPTI.

#### **EVALUATION OF SLDC KERALA**

With an environment evolved as detailed above by the regulatory frameworks, technological innovations, increased number of Open access, increasing participation of private players, Power Exchanges (PXs) and other market mechanisms in power sector, we need to evaluate the performance of Kerala SLDC.

The activities and responsibilities of the Kerala SLDC has been made cross functional by entrusting the functions of

the State Transmission Utility (STU) and Distribution Licensee with SLDC in such a way that the envisaged functions of the SLDC are adversely affected and proper accountability on SLDC functions of system security and market operations are compromised .

As already said, the spirit of the Act is to ensure independence for System Operation. This demands that the SLDC function as an independent coordinator and supervisor for the functions of system operation and market operation, for achieving efficiency and economy in every operation, for effective utilisation of the resources and giving correct input to the planners and decision makers. As such SLDC is performing the statutory functions envisaged in the IE Act and the decisions taken by the SLDC need to be considered as forced majeure for STU and Distribution Licensee in relevant situations.

It is the responsibility of the SLDC to ensure grid security of the State Grid in coordination with the Regional Grid. The effectiveness of this function of Kerala SLDC need to be evaluated in the backdrop of the frequent Grid Disturbances including frequent tripping of 220kV feeders, frequent blackouts in northern part of the state, frequent loss of generation to the grid due to failure of the evacuating feeders and frequent station blackouts in generating stations. Lack of autonomy, professionalism, accountability and conflicting interests leads to the failures in ensuring appropriate system security measures and protection requirements as envisaged

in CEA (Grid Standard) regulation 2010 and CEA (Technical Standards for Connectivity to the Grid) Regulations 2007. As such, the failure of SLDC in supervision and control over the intra state transmission system as envisaged in the IE Act has been turned out as too costly for the consumers and the state. A remarkable improvement in the performance of the State Grid is expected to deliver quality power to the consumers with efficiency and economy.

It is the responsibility of the SLDC to achieve the economy and efficiency by utilising the internal generation by scheduling/despaching our own generation, regulating the demand of state control area, scheduling the drawal from the ISGS, permitting long term access, medium term and short term open access transactions for licensees and embedded generators/consumers in accordance with the contracts and regulating the net drawal of state control area from the regional grid in accordance with the respective regulations of the CERC. According to Clause 6(4) (5) of IEGC, SLDC have full responsibility over these functions. Thus a decision by the SLDC for the best utilisation of its Hydro resources under a spill threat need to be considered accordingly and the decision of the SLDC to curtail LTA, MTOA & STOA shall be a forced majeure situation for the distribution licensee. By involving Kerala SLDC in power purchase decisions, contracts and day-ahead purchases for the distribution licensee, the independence of the Kerala SLDC and the fairness of the decision are

endangered. The essential requirement of neutrality, fairness and transparency in the decisions of the SLDC can be questioned in the present setup and is not good for the interest of the state power sector. The conflicting interests have become a huddle for making meritorious decision based on technical data. As such, Kerala SLDC has failed in taking independent and hard decisions during the time of spill threats due to conflicting interests and controls.

The most important factor in achieving the envisaged goals of IE Act is the competency and motivation of the human resources employed in the SLDC. But the present system of transfer and posting policy never allows an employee in KSEB to acquire expertise or achieve competency in any filed under normal circumstances. Even the certified system operators who got certification after special training & competitive tests at NPTI were transferred from SLDC for reasons known only to the management & decision makers!

An independent SLDC employed with competent officers having enough autonomy to function, defined responsibility to do and a fool proof mechanism to make them accountable is the basic requirement for an efficient State Grid. Hope our planners & decision makers have enough perspective and wisdom to understand the complexity of the sector. Let us pray to God to provide them with "eagle-eyes" to pinpoint the priorities of the State Grid and courage to take correct decisions.



# ‘ഞാൻ യാത്രയിലാണ്’

രാജൻ വി.  
Rtd. Dy. C.E.

പരിണാമ സിദ്ധാന്തപ്രകാരം ജീവൻ ജലത്തിൽനിന്നും കരയിലേക്കും പിന്നെ നാൽക്കാലിയായും അതുകഴിഞ്ഞ് കുരങ്ങിൽക്കൂടി ഇന്ന് കാണുന്ന ഇരുകാലി ജീവി (മൃഗം) യായെന്നും സയൻസ് പറയുന്നു. ആ ജീവിയെ മനുഷ്യനെന്ന് നമ്മൾ വിളിക്കുന്നു. ഭൂമിയിലുള്ള എല്ലാ ജീവികൾക്കും പ്രകൃതിയുമായി ഒരു പൊക്കിൾക്കൊടി ബന്ധമുണ്ട്, അതിനെ നിഷേധിക്കാനോ വേർപെടുത്താനോ ആരു വിചാരിച്ചാലും നടക്കില്ല. അങ്ങനെയുള്ള നമ്മൾ പഞ്ചേന്ദ്രിയങ്ങളിൽ കൂടിയാണ് പ്രകൃതിയുമായി സംവേദിക്കുന്നത്. ആദ്യകാലങ്ങളിൽ ഇക്കാര്യത്തിൽ ഒരു നൈതികത നമ്മൾ പാലിച്ചിരുന്നു. പക്ഷെ നമ്മൾ പുരോഗമിക്കുന്നതിനനുസരിച്ച് അതിൽ കാപട്യങ്ങളും കൂടിക്കൂടി വന്നു. അങ്ങനെയൊന്നല്ലോ ‘കണ്ണുള്ളത്’ ചില കാര്യങ്ങൾ കാണാതിരിക്കാനും ‘കാതുളളത്’ ചില കാര്യങ്ങൾ കേൾക്കാതിരിക്കാനും കൂടിയാണെന്ന ന്യായം രൂപപ്പെട്ടത്. ഇതിനിടക്ക് നമ്മൾ പ്രജകളിൽ നിന്നും പൗരന്മാരായപ്പോൾ നമ്മുടെ സ്വാർത്ഥത വളരെക്കൂടി. അങ്ങനെ വ്യക്തിതാൽപ്പര്യങ്ങൾക്കായി എല്ലാക്കാര്യത്തിലും മുൻഗണന. അതിന്റെ കൂടെ ജനാധിപത്യവും അനുബന്ധമായി രാഷ്ട്രീയംകൂടി ലഭിച്ചപ്പോൾ നമ്മുടെ കാപട്യങ്ങൾക്കും നല്ല അംഗീകാരം കിട്ടി; എന്നുവെച്ചാൽ നമ്മുടെ നേതാക്കന്മാർ നടത്തുന്നത് ഏതാണ്ട് മുഴുവനും തരികിടകളാണല്ലോ. അപ്പോൾ പിന്നെ അനുയായികൾ കുറെയൊക്കെ അവരെ പിന്തുടരുന്നതിൽ പ്രത്യേകിച്ചൊരു കുറ്റം ആർക്കും പറയാൻ സാധിക്കില്ല.

ഇങ്ങനെ പഞ്ചേന്ദ്രിയങ്ങളുമായി സന്ധ്യം വാഴുമ്പോഴാണ് 1980 കളിൽ ലോകത്ത് വാർത്താവിനിമയരംഗത്ത് വലിയ മുന്നേറ്റങ്ങൾ നടന്നത്. ആ രംഗത്തെ നമ്മുടെ ഒരു

വിദഗ്ദ്ധന്റെ (സാംപിറ്റോർഡ) യീരമായ തീരുമാനപ്രകാരം നമ്മുടെ കുഗ്രാമങ്ങളിൽ വരെ ആവശ്യക്കാർക്കെല്ലാം ലാൻഡ് ഫോൺ സൗകര്യം ലഭ്യമായി. ഇതിനുകാരണക്കാരനായ വ്യക്തിയെ നമ്മുടെ ബുജികൾ അവരുടെ ജാത്യത മറച്ചുവയ്ക്കാനായി, നമ്മുടെ നാട്ടുകാരനായ ഒരു കേന്ദ്രമന്ത്രിയുടെ സഹായത്താൽ നാടുകടത്തി. അതൊക്കെ ചരിത്രം. ഇതിനിടക്ക്, ‘ഫ്യൂറ്റൻ ഷോക്ക്’ പ്രതിഭാസത്തിൽകൂടി നമുക്ക് വിവര സാങ്കേതികവിദ്യയുടെ ചന്ദ്രഹാസമായ കമ്പ്യൂട്ടറും അനുബന്ധമായി ഇന്റർനെറ്റും ലഭ്യമായി. ടിവി നമുക്ക് ഇതിനും മുന്നേ കിട്ടിയിരുന്നു. ഇതിനോടൊപ്പം ചില അപ്രതീക്ഷിത സംഭവങ്ങളുടെ ഒത്തുചേരലിന്റെ ഫലമായി സമൂഹത്തിൽ മോശമല്ലാത്ത സാമ്പത്തിക സുരക്ഷിതത്വവും കരഗതമായി. ഇതൊക്കെകൊണ്ട് ജനം ഒരു അടിച്ചുപൊളി ജീവിതശൈലിയിലേക്ക് മാറി. അപ്പോഴാണ് നമ്മളെയൊക്കെ അതിശയിപ്പിച്ചുകൊണ്ട് മൊബൈൽ ഫോൺ എന്ന അത്യാധുനിക വിവര കൈമാറ്റ ഉപകരണം അപ്രതീക്ഷിതമായി രംഗപ്രവേശം ചെയ്തത് (ഇതിന്റെ ശരിക്കുള്ള പേര് സെല്ലുലാർ ഫോണെന്നാണ്. ഒരു ടവറിന്റെ കവരേജ് ഏരിയാക്ക് സെല്ലെന്നാണ് പറയുന്നത്. അങ്ങനെ സെല്ലുകളിൽ കൂടി പ്രവർത്തിക്കുന്ന ഫോൺ). അതിന്റെ ഉയർന്ന തലത്തിലുള്ള ഉപകരണങ്ങളിൽ നെറ്റ് ബന്ധംകൂടി ലഭ്യമായപ്പോൾ ലോകം നമ്മുടെ പോക്കറ്റിലായി. അങ്ങനെ ലോകത്ത് എവിടെയുള്ളവരുമായി സംസാരിക്കാനും കേൾക്കാനും കാണാനും ഒരു പ്രയാസവും ഇല്ലാതായി. ലോകത്ത് നടക്കുന്നതെന്തും നമ്മൾ അപ്പോൾ തന്നെ അറിയുന്നു; കാണുന്നു. ഇന്നിപ്പോൾ 120 കോടി ജനങ്ങളുള്ള നമ്മുടെ രാജ്യത്ത് ഏതാണ്ട് 100 കോടിയും, നമ്മുടെ

സംസ്ഥാനത്ത് മുന്നേകാൽക്കോടിയും മൊബൈൽ വരിക്കാരുണ്ട്. വളരെയധികം ദാരിദ്ര്യം ഉണ്ടെന്നു പറയുന്ന രാജ്യത്ത് ഇതെങ്ങനെ സംഭവിച്ചെന്നു സാമൂഹിക ശാസ്ത്രജ്ഞന്മാർ വിശദമായി പഠിക്കേണ്ട ഒരു വിഷയമാണ്.

നേരത്തെ പറഞ്ഞ ഫ്യൂറർ ഷോക്കിന്റെ ഫലമായി ലഭ്യമായ ഈ സൗകര്യങ്ങളുമായി 21-ാം നൂറ്റാണ്ടിന്റെ രണ്ടാം ദശകത്തിലും നമ്മൾ താദാത്മ്യം പ്രാപിച്ചൊന്നു സംശയമാണ്. അത് ഉണ്ടാകാത്തതുകൊണ്ടാണ് പൊതുയിടങ്ങളിൽ നിന്ന് നമ്മൾ പരിസരം മറന്നു ഉച്ചത്തിൽ മൊബൈലിൽ സംസാരിക്കുന്നത്. അതേ സമയം ഈ ഫോൺ ഇന്നിപ്പോൾ നമ്മുടെ ശരീരത്തിന്റെ ഒരു ഭാഗമായി മാറിക്കഴിഞ്ഞു. ശരിക്കും ഇതിപ്പോൾ നമ്മുടെ ആറാം ഇന്ദ്രിയമായി മാറിക്കഴിഞ്ഞു. അങ്ങനെ ഇതില്ലാത്ത ഒരു ജീവിതം നമുക്കു ഭാവനയിൽപ്പോലും കാണാൻപറ്റാത്ത ഒരു അവസ്ഥയിലുമായി. അതേസമയം ഇന്നിപ്പോൾ ഇവിടെ നടക്കുന്ന ഏതാണ്ടെല്ലാ കുറ്റകൃത്യങ്ങളിലെയും പ്രധാന ഘടകം ഈ ഉപകരണമാണ്; അത് പല കേസുകളും തെളിയിക്കുന്നതിന് പോലീസിന് സഹായകമാകുന്നുമുണ്ട്. ഇതിൽക്കൂടി ലഭ്യമായ സാമൂഹിക കൂട്ടായ്മകൾ പലകാര്യങ്ങൾക്കും പുതുതലമുറ പ്രയോജനപ്പെടുത്തുന്നുണ്ട്. അത് നല്ലതിനാണോ ദോഷത്തിനാണോയെന്ന് കണ്ടുതന്നെ അറിയണം. ഡൽഹിയിലെ 'അനാഹസാരെ ഷോ', അറബ് രാജ്യങ്ങളിലെ 'മുല്ലപ്പു വിപ്ലവം', അടുത്ത ദിവസങ്ങളിൽ യു.പി.യിൽ നടന്ന സാമുദായിക ലഹള ഇതിലൊക്കെ ഈ ഉപകരണം വാർത്തകൾ പെട്ടെന്ന് കൈമാറ്റം ചെയ്യുന്നതിന് വളരെയധികം സഹായിച്ചിട്ടുണ്ട്. ആദ്യത്തെ രണ്ട് സംഭവങ്ങൾ തുടക്കത്തിൽ വലിയ വിജയങ്ങളായി ചിത്രീകരിക്കപ്പെട്ടിരുന്നു. പിന്നീട് അതൊക്കെ ഓരോ ലോക

പ്രശ്നങ്ങളായി മാറിയതും മാറുന്നതും നമ്മൾ കണ്ടു. സാമുദായിക ലഹളയിൽ മരണവും മറ്റു നാശനഷ്ടങ്ങളും കൂടാൻ കാരണം ഉറതിവീർപ്പിച്ചതും അസത്യവുമായ വാർത്തകളുടെ പെട്ടെന്നുള്ള അതിവ്യാപനമായിരുന്നു. കാര്യമറിയാതെയുള്ള പ്രതികരണങ്ങളും അതിന്റെ വേഗതയുള്ള വ്യാപനവും സമൂഹത്തിൽ അപരിഹാര്യമായ പല അനർത്ഥങ്ങളും ഉണ്ടാക്കും. അതുപോലെ പൊതുചടങ്ങുകളിലും യാത്രകളിലും സാധാരണ എല്ലാ പേരും മൊബൈലിൽ തലപുഴ്ത്തിയാണ് സമയം കളയുന്നത്. പൊതുവെ മനുഷ്യർ തമ്മിൽ ബന്ധം കുറഞ്ഞ് വരുന്ന ഈ കാലഘട്ടത്തിൽ ഈ ഉപകരണം അതിനു വളരെയധികം സഹായകമാകുന്നുണ്ട്. അടുത്ത് വരുന്ന തിരഞ്ഞെടുപ്പുകളിൽ ഈ ഉപകരണം വളരെയധികം ഉപയോഗിക്കപ്പെടുമെന്നാണ് പറയപ്പെടുന്നത്. എല്ലാ പ്രധാന പാർട്ടികളും ഇതിനുവേണ്ടി പ്രത്യേകം പ്രൊഫഷണൽ കമ്പനികളെ തന്നെ ഇടപെടുത്തിയിരിക്കുകയാണ്. ഇതൊക്കെ നമുക്കു പുതിയ അനുഭവങ്ങൾ ആകുന്നതുകൊണ്ട് ഫലങ്ങളെക്കുറിച്ച് ഒരു തീർച്ച ആർക്കുമില്ല.

നമ്മളെ ആഫീസിൽ നിന്നോ, വീട്ടിൽ നിന്നോ മറ്റോ അത്യാവശ്യമായി വിളിച്ചാൽ, നമ്മൾ നിൽക്കുന്നതു പുറത്ത് പറയാൻ കൊള്ളാത്ത സ്ഥലത്തായിരിക്കും, മീറ്റിങ്ങിലാണെന്നോ, യാത്രയിലാണെന്നോ, ആശുപത്രിയിലാണെന്നോ ഉള്ള മറുപടികളാണ് സാധാരണ പറയുന്നത്. ഉണ്ണാൻ ഉടൻ എത്തുമെന്ന് കുട്ടികളോട് പറയുന്ന ബാറിൽ നിൽക്കുന്ന പിതാവ് വീട്ടിൽ എത്തുന്നത് അസമയത്തായിരിക്കും. അങ്ങനെ നോക്കിയാൽ കാപട്യം നിറഞ്ഞ ലോക നിർമ്മിതിക്ക് ഈ ഉപകരണം വളരെ സഹായകരമാകും. ആപ്പിളും ബ്ലാക്ക് ബെറിയും വെറും പഴം ആയിരുന്നപ്പോൾ ജീവിതം ഇതിനേക്കാൾ സുന്ദരമല്ലായിരുന്നോയെന്നു ചിന്തിക്കുന്നത് നല്ലതാണ്.

## OBITUARY



**Er. P.S. Thomas**, Executive Engineer, Load Dispatch Centre, Kalamassery expired on 22.11.2013. He was 50 years old. He joined the KSEB service as Asst. Engineer on 20.03.1990 at Generation Circle, Moolamattom after serving Indian Railways. He had served the Board in Transmission, Distribution, System Operation and Generation wings. He also worked at the TMR division and was an expert in Metering system. He was a faculty member of PETARC, Moolamattam. He was the Safety Officer for Generation wing during his service at KDDP. He had successfully completed his M.Tech & MBA during his service in KSEB and had registered for his PhD.

Er.Thomas was an active member of KSEB Engineers' Association and had successfully organized National Seminars at Ernakulam, Kozhikode, etc. He had actively participated in the Exhibition & Seminar held in connection with the AGB-2013 at Ernakulam.

He is survived by his wife and two children.

KSEB Engineers' Association fondly remembers the services of Er.P.S.Thomas and expresses its deepest condolence to his bereaved family. May his soul rest in peace.

### *E-Thoughts*

As part of the 46<sup>th</sup> Engineers' Day celebrations KSEB Engineers' Association, Alappuzha Unit launched E-THOUGHTS - 'Engineering Idea Contest' for the engineering student community on the theme FRUGAL ENGINEERING. The contest aims at popularising the importance of Engineers' day and encourages young talents to apply their imagination and critical thinking in the area of Frugal Engineering. 13 entries were received from various engineering colleges in Alappuzha and Pathanamthitta districts. The entries were sent to the judging panel and the result will be announced soon





**Send off function for Er. Edwin, former Organising Secretary South,  
held on 5/11/2013 at Engineers House, Kollam**



**Energy Conservation(Brightening Kerala)  
Class conducted at MGM school,  
Parippally on 19/10/2013.**



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Family Tour of Palakkad Unit to Trichy, Thanjavoor,  
Venlankanni and Pondicherry during the 2<sup>nd</sup> week of November 2013

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