

17/01/2017

**Minutes of the 390<sup>th</sup> meeting of KWA held on 17/01/2016 at 03.00 p.m. in the Conference Hall, Kerala Water Authority, Thiruvananthapuram.**

**Present:**

- |                          |  |
|--------------------------|--|
| 1. Sri. V.J. Kurian IAS  | Additional Chief Secretary (WRD), Chairman |
| 2. Smt. A.Shainamol IAS  | Managing Director                          |
| 3. Smt. Tinku Biswal IAS | Executive Director, KRWSA                  |
| 4. Sri. Raveendran T.    | Technical Member                           |
| 5. Sri. V.S. Pradeep     | FM&CAO, Special invitee                    |
| 6. Sri. Sreekumar M.     | Secretary                                  |

*Item No. I (1) Minutes of the 389<sup>th</sup> meeting held on 23/09/2016*

The Authority confirmed the Minutes of the 389<sup>th</sup> meeting held on 23/09/2016

*Item No. II (1) Review of Action Taken in the Previous Meetings*

The Authority reviewed the Action Taken in the Previous Meetings.


*Item No. III (1) Certified Accounts of Kerala Water Authority for the year 2013-14*

**Res. No. 10424** The Authority discussed the agenda in detail and **resolved to approve the certified accounts of Kerala Water Authority for the year 2013-14 and the Audit Report of the Principal Accountant General(Kerala) together with the reply to the Audit Report and to forward the same to the Government for placing before the State Legislature as envisaged under Section 29(3) and (4) of the Kerala Water Supply and Sewerage Ac,1986.**

*Item No. III (2) Scarcity of Funds under Capital Works - Overdraft Facility to Contractor – Enhancement of Overdraft from SBT to Rs.200.00 Crore*

**Res. No. 10425** The Authority discussed the Overdraft enhancement proposal submitted by SBT Kowdiar and **resolved to avail the enhancement of overdraft facility to ₹200.00 Crore from SBT as per the conditions mentioned in the proposal and to release payment to the contractors at their option to receive payment immediately after the receipt of Sanction order of funds release from Government. Managing Director is authorized to sign the documents for availing the facility from Bank.**

  
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*Item No. III (3) The details of fund allotment for salary and other expenses*

The Authority noted the contents of the item.

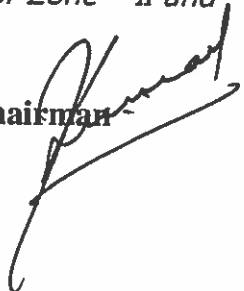
*Item No. IV (1) Development Programme for Kasaragod District as per Dr.P.Prabhakaran Commission - WSS to Madikkai in Madikkai Grama Panchayath-Renovation to existing intake structure, Supplying and laying Raw Water Pumping Main from intake well to Treatment Plant, Construction of Treatment Plant of 3.00 MLD Capacity, Supplying and Laying Clear Water Gravity Main, Construction of additional Service Reservoir, Supplying and laying distribution network, Supply, erection, trial running, commissioning and maintenance of pump sets*

**Res. No. 10426** The Authority discussed the tender in detail. The Authority noted that two numbers of offers were received for the subject tender out of which Sri.K.Kannan, Kannur JV with M/s Sakthi Enterprises has quoted the lowest amount of ₹6,99,05,675/- which is at 4.24% above the Tendered PAC of ₹6,70,61,478/- as per DSR 2014, but the LMR amount is less than the quoted amount. Hence the Authority **resolved to award the work of "Development Programme for Kasaragod District as per Dr.P.Prabhakaran Commission - WSS to Madikkai in Madikkai Grama Panchayath-Renovation to existing intake structure, Supplying and laying Raw Water Pumping Main from intake well to Treatment Plant, Construction of Treatment Plant of 3.00 MLD Capacity, Supplying and Laying Clear Water Gravity Main, Construction of additional Service Reservoir, Supplying and laying distribution network, Supply, erection, trial running, commissioning and maintenance of pump sets" to the lowest tenderer Sri.K.Kannan, Kannur JV with M/s Sakthi Enterprises after reducing the quoted amount to LMR amount of ₹ 6,90,48,156/- subject to the condition that the work order shall be issued only after reporting the tender excess and after obtaining prior permission from the District Collector for the deviations if any and receipt of credit rating/Solvency certificate for a minimum of Rs. 67.10 lakhs from M/s Sakthi Enterprises and verification of Electrical license of the contractor by the tendering authority**

*Item No. IV (2) SLSSC – Water Supply Scheme to East Eleri Panchayath in Hosdurg Taluk of Kasaragod District - Package III - Supplying laying clear water pumping main between Treatment Plant and GLSR at Kurishumala and distribution system for Zone – II and*

  
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*construction of 5.00 lakhs litre capacity GLSR at Kurishumala Balance work*

**Res. No. 10427** The Authority discussed the agenda in detail and noted that the present tender is the 1<sup>st</sup> tender arranged at risk and cost of the original contractor. In response to the tender call three offers were received out of which the lowest tenderer is of Sri. Baburaj. P.K, Kannur who has quoted an amount of ₹6,11,86,865.75/- which is at 41.25 % above the tendered PAC of ₹4,33,15,689/- based on Revised SoR 2010, 6.57% above TPAC ₹5,74,17,254/- based on DSR 2014 & found to be 13.14% below TPAC ₹7,04,46,536/- based on LMR rate.

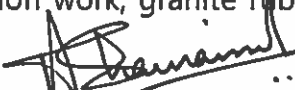
The Authority resolved to award the work of "SLSSC – Water Supply Scheme to East Eleri Panchayath in Hosdurg Taluk of Kasaragod District - Package III - Supplying laying clear water pumping main between Treatment Plant and GLSR at Kurishumala and distribution system for Zone – II and construction of 5.00 lakhs litre capacity GLSR at Kurishumala Balance work to the lowest tenderer Sri. Baburaj. P.K, Kannur at his quoted amount of ₹6,11,86,865.75/- which is at 41.25% above the tendered PAC of ₹4,33,15,689/- based on Revised SoR 2010 and 6.57% above tendered PAC of ₹5,74,17,254/- based on DSR 2014

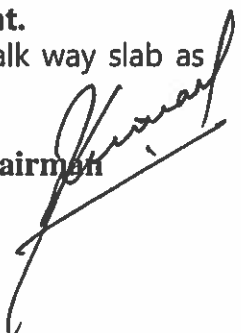
*Item No. IV (3) Sustainability- NRDWP- Design, construction, commissioning and maintenance of 4.50m Height RCC weir across Karingode river at Kakkadavu for WSS to Ezhimala Naval Academy and Kayyur Cheemenipanchayath in Kasargod District.*

**Res. No. 10428** The Authority discussed the agenda in detail. The Authority noted that the EIA study report for the work has been submitted by the Chief Engineer (NR) and was vetted from WASCON. After discussions the Authority resolved to award the work of "Sustainability- NRDWP- Design, construction, commissioning and maintenance of 4.50m Height RCC weir across Karingode river at Kakkadavu for WSS to Ezhimala Naval Academy and Kayyur Cheemeni Panchayath in Kasargod District" to the lowest tenderer Sri. C.M. Abdul Khader, Kasargod at his quoted amount of ₹ 8,95,60,000/- which is 8.95% below the tendered PAC of ₹ 9,83,84,906/- as per DSR 2014. Since the EIA study has already been done departmentally, appropriate amount shall be deducted while awarding work and executing agreement.

The protection work, granite rubble packing, walk way slab as

  
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envisaged under the scope of work will have to be executed by the contractor without any additional cost and also the schedule of payments has to be revised incorporating the estimate amount required for supplying & erection of 26 Nos. of MS fabricated shutters

*Item No. IV (4) KSCADC - Providing WSS to Shiriya Fisherman Village at Berika Fisherman colony in Mangalpady Panchayat - Construction of 4 m dia well cum Pump house, OH tank, Laying pumping main, distribution system, supply and erection of pump set - Explanation of Superintending Engineer/Chief Engineer concerned for delay in submitting the tender to Head office*

The Authority noted the contents of the item and decided not to pursue the matter further.

*Item No. IV (5) CRWSS to Pramadam and Vallikkode - Kottayam villages - Construction of 9m dia intake well cum pump house and allied works construction of 7MLD Water Treatment Plant and supply and laying of 350mm DI K9 raw water pumping main from intake to proposed Water Treatment Plant at Kulapara - Tender*

**Res. No. 10429** The Authority discussed the agenda in detail and noted that the subject tender is 1<sup>st</sup> re-tender and 2 tenderers participated in the tender. Of the above, Sri. Abu Mathew, Koyikkal House, Peruva.P.O, Kottayam has quoted the lowest amount of ₹6,84,45,900/- which is 10.69% above the tendered PAC of ₹6,18,38,000/- as per SoR 2012 and is 9.77% below the estimate PAC based on DSR, ₹7,58,55,194/- and 11.90% below the estimate PAC based on LMR, ₹7,76,88,359/-. The High Level Committee has observed that the lowest tenderer possesses sufficient experience for the construction of intake well cum pump house. Regarding the experience certificates for construction of treatment plant, the lowest tenderer should have executed (commenced and completed) similar type of projects in the past 8 years. But in this case for the work claimed as experience the agreement is executed eight years and eight months before. (Tender notice is dated 26/08/2016). The Authority noted that the work cited as experience was completed within the eight year period. The commencement is eight months before which is less than a full year. It is also significant that there is a difference of ₹1,66,14,800/- between L1 and L2. Rejection of the offer may cause substantial financial loss. Considering the above the Authority after detailed

  
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discussions resolved to issue a relaxation of the clause and award the work of Construction of 9m dia. intake well cum pump house and allied works, construction of 7MLD Water Treatment Plant and supply and laying of 350mm DI K9 raw water pumping main from intake to proposed Water Treatment Plant at Kulapara to Sri.Abu Mathew, at his quoted rate of ₹6,84,45,900/- which is 9.77% below the estimate PAC based on DSR 2014 and 11.90% below the estimate PAC based on LMR.

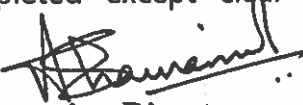
*Item No. IV (6) ARWSS to Pattazhy, Pattazhy Vadakkekara Panchayaths- Supply, Erection and Commissioning of 4 nos. of Centrifugal Pump sets at Kaduvathodu sump cum pump house for pumping water to GLSR at Chelikuzhy and OHSR at Manampuvila and wiring of pump house-Tender*


**Res. No. 10430** The Authority discussed the agenda in detail. It is noted that the work was tendered eight times before and the present tender is the first one after recasting the estimate with current rates. For the present tender two offers were received and the lowest offer is from Sri T. Thankappan who has reduced his quoted rate to 15% above the TPAC of ₹19,79,007/- and based on the recalculated estimated PAC of ₹ 18,85,420/-, the quoted amount of ₹ 22,75,858/- comes to 20.71% above. It is reported that all the components of the scheme except distribution of zone III are completed and there is urgency in arranging the work. Chances of getting a better offer are remote. Considering all the above the Authority resolved to award the work "ARWSS to Pattazhy, Pattazhy Vadakkekara Panchayaths- Supply, Erection and Commissioning of 4 nos. of Centrifugal Pump sets at Kaduvathodu sump cum pump house for pumping water to GLSR at Chelikuzhy and OHSR at Manampuvila and wiring of pump house" to the lowest tenderer Sri. T. Thankappan at his reduced quoted rate of 15% above the tendered PAC of ₹ 19,79,007/- ie, for an amount of ₹ 22,75,858/- and which is 20.71% above the Recalculated PAC of ₹ 18,85,420/-

*Item No. IV (7) WSS to Manimala and adjoining villages Phase I- Procurement and installation of C/F pumpsets in WTP – Request sanction to allot funds from Phase II- Project (Distribution line)*

**Res. No. 10431** The Authority discussed the agenda in detail. The Authority noted that whole works under the first Administrative Sanction were completed except clear water pumpsets. Hence the

  
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Authority accepted the recommendation of the High Level Committee and resolved to recommend the proposal for utilising an amount of ₹ 60 lakhs from phase II AS of the subject scheme amounting to ₹3250 lakhs, for the procurement of clear water pump sets at Water Treatment Plant of WSS to Manimala and adjoining villages and to report the same to the Government for excluding the component from the revised AS for phase I

*Item No. IV (8) TSS – E Block Zone II – Laying 700mm dia RCC NP3 pipe sewer main from Jagathy towards common manhole Ch 512m to 760m – Report*

The Authority noted the contents of the item and directed that the tender shall be processed only after obtaining the required land.

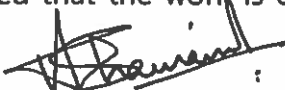
*Item No. IV (9) CWSS to Pallichal, Balaramapuram and Vilavoorkkal Panchayaths–Package–VI (a)–Balance work–Construction of 12LL capacity OHSR at Vanigar Street, Balaramapuram – Re-tender*

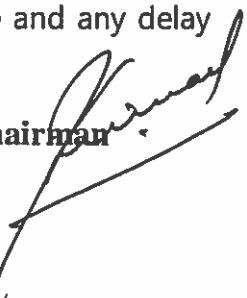
**Res. No. 10432** The Authority discussed the agenda in detail. It is noted that this is the first retender for the work and only one offer is received. The Authority after detailed discussion resolved to award the work "CWSS to Pallichal, Balaramapuram and Vilavoorkkal Panchayaths–Package–VI (a)–Balance work–Construction of 12LL capacity OHSR at Vanigar Street, Balaramapuram" to the single tenderer Sri. P. V. Anil Kumar JV with M/s. Navin Constructions by limiting the quoted amount by 10% tolerance of DSR, i.e for an amount of ₹ 357,39,534/-.

*Item No. IV (10) KWA – Measures to tackle drinking water shortage due to severe summer in 2016 – supply and erection of new 120HP VT pump set at Kundamankadavu Pump House for 13.5mld plant – Tender*

**Res. No. 10433** The Authority discussed the agenda in detail. It is noted that this is the first tender call for the work and two offers have been received. The lowest offer is from Nirman Electricals whose quoted amount is at ₹21,57,000/- which is 18.52% above the TPAC of ₹18,20,000/-. It is also reported that the estimate is based on rates published during 2011 which was not revised thereafter. The local market rate is reported as ₹ 23 Lakhs. It is also observed that the work is of urgent nature and any delay

  
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can affect the water supply in important areas of the Capital city. Under the above circumstances, the Authority **resolved to award the work "Measures to tackle drinking water shortage due to severe summer in 2016 – supply and erection of new 120HP VT pump set at Kundamankadavu Pump House for 13.5mld plant" to the lowest tenderer, M/s. Nirman Electricals at their quoted amount of ₹21,57,000/- which is 18.52% above the tendered PAC of ₹ 18,20,000/-.**

*Item No. IV (11) CWSS to Vithura Tholicode villages – Construction of 16.2 LL capacity OHSR at Thottumukku, Supplying and laying, testing and commissioning of 350mm DI K9 clear water pumping main from water treatment plant at Vavupura to OHSR at Thottumukku – Tender*

**Res. No. 10434** The Authority discussed the agenda in detail. The Authority noted that this is the first tender call and two offers are received. The lowest offer is from Sri. Edwin Prasad JV with Sri. M.K. Hansar who quoted an amount of ₹6,07,61,840/- which is 25.99% above the tender PAC as per DSR 2014. The intake and Treatment plant of the scheme are completed. Hence the Authority **resolved to award the work "CWSS to Vithura Tholicode villages – Construction of 16.2 LL capacity OHSR at Thottumukku, Supplying and laying, testing and commissioning of 350mm DI K9 clear water pumping main from water treatment plant at Vavupura to OHSR at Thottumukku" to the lowest tenderer Sri. Edwin Prasad JV with Sri. M.K. Hansar by limiting the quoted amount to ₹ 505,66,969/- which is @ 10% above the tendered PAC of ₹ 459,69,972/- based on DSR 2014, excluding the Excise Duty.**

*Item No. V (1) JICA Assisted Kerala Water Supply Project- Kozhikode– Package V- Rehabilitation of existing Water Supply Scheme to Kozhikode City Region - Extension of Time of Completion and Approval of Variation*

**Res. No. 10435** The Authority discussed the agenda in detail. The Authority noted that there was delay in obtaining permissions for road cutting. Being a rehabilitation work many works had to be done with shut down of the existing system during breakdown maintenance. Hence the request for time of extension can be considered. The Authority directed to calculate the LD based on the date on which permissions were made available to the

  
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contractor and place before the next meeting for a decision. The Authority discussed the variation proposals in detail and noted that there is a BOQ/Non BOQ excess of ₹ 24,360,062 and savings of ₹24,706,939. The Authority **resolved to approve the overall variation of ₹ 25,57,606/- with respect to the original BOQ and the Final revised BOQ of ₹ 425,547,969/- which is 0.6% above the original contract sum.**

**Approved final variations**

1	Original BoQ	:	₹ 422,990,363/-
2	Net Excess previously approved	:	₹ 2,904,484/-
3	Total (Revised BoQ considering approved variations only) (1) + (2)	:	₹ 425,894,847/-
4	Variation approved now		
i	BoQ / Non BoQ Excess	:	₹ 24,360,062/-
ii	BoQ savings	:	₹ (-) 24,706,939/-
iii	Net variation (i) + (ii)	:	₹ (-) 346,877/-
5	Over all variation with respect to original BoQ (2) + (4 (iii))	:	₹ 25,57,606/-
6	Final Revised BoQ (1) + (5)	:	₹ 425,547,969/-
7	Percentage excess over Original contract sum	:	0.60 % (above)


*Item No. V (2)* JICA Assisted Kerala Water Supply Project – Kozhikode – Package 1– overhauling expenses

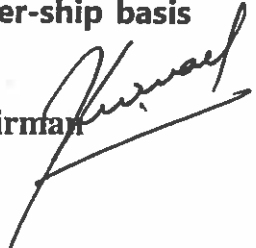
**Res. No. 10436** The Authority discussed the agenda in detail and **resolved to decline the claims.**

*Item No. V (3)* JICA Assisted Kerala Water Supply Project – Further Provision of Consultancy Services of Tokyo Engineering Consultants Co, Ltd, Japan on retainership basis

**Res. No. 10437** The Authority discussed the agenda item in detail and **resolved to approve the proposal to avail the services of the Team Leader, Dr.Sunil Kumar Karn of TECC (expert) for a period from 01/04/2016 to 31/12/2017 along with the services of some local staff, Site Engineers, Senior Inspectors and Junior Inspectors who have been working with the consultants in the respective project on retainer-ship basis**

  
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as and when required by KWA based on a separate retainer-ship agreement. The remuneration rate for the expert shall be ₹100000 (Rupees One Lakh only) per man day. The actual cost of two way airfare for each visit of the expert either from Tokyo to Thiruvananthapuram or from the place of the experts location at that time to Thiruvananthapuram, whichever is lower will be reimbursed. The Expert will also be eligible for a lump sum amount of ₹ 5000/- per day towards local accommodation, per diem and local transportation costs. All the above payments including the remuneration, airfare and transportation charges will be as per the terms and conditions in the Annexure-I

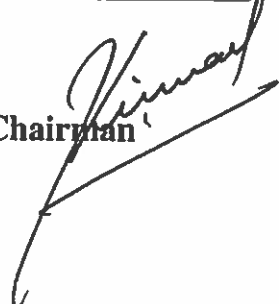
**Remuneration for local staff of the Consultants**

Sl. No.	Name	Post	Rate demanded by the Consultants per day (Monthly amount /25 in Rupees)	Rate claimed as per current contract per day (Monthly claim /25 in Rupees)
1	Mr.George K Chacko	Senior Accountant	4800	1214
2	Mr.Rajesh K.R.	Senior Inspector	4000	2125
3	Mr.Vinod Kumar R.S	Junior Accountant	2000	1214
4	Mr.Biju. P	Junior Accountant	2000	1214
5	Mrs.Nazeema Beevi	Senior Inspector	2400	1518
6	Mr.Vjaya Kumar	Site Engineer Electrical		5031
7		Site Engineers (Related to concerned project)		5031
8		Junior Inspectors (Related to concerned project)		1518

Above rates are inclusive of service tax

  
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*Item No. V (4) KWA - JICA Assisted Kerala Water Supply Project - Appointment of Special Officer on Contract basis - Renewal of contract period of Sri.K.Lokesan Nair*

**Res. No. 10438** The Authority discussed the agenda item in detail and **resolved to renew the contract with Sri. K. Lokesan Nair, Special Officer, JICA Project for a period of 1 year from 01.01.2017 in view of circumstances explained in the agenda note. The terms and conditions of the previous appointment shall be adopted for the new contract**

*Item No. V (5) KWA - JICA Assisted Kerala Water Supply Project - Appointment of Legal Consultant on Contract basis - Renewal of contract period of Sri.C.S.Padmanabhan Nair*

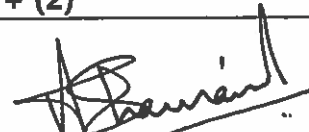
**Res. No. 10439** The Authority discussed the agenda item in detail and **resolved to approve the proposal to extend the services of Sri.C.S. Padmanabhan Nair, Special Secretary to Government (Retired) on retainer basis ie as and when required by the PIU of JICA Project, KWA, as Legal Consultant and also as Legal Advisor to Managing Director from 01.01.2017 to 31.12.2017 subject to the payment of a fee of ₹ 2000/- per day. He shall be eligible for TA / DA as admissible to class I officer, as per prevailing rules for the journeys performed outside Trivandrum Jurisdiction.**

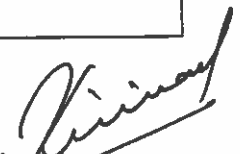
*Item No. V (6) JICA Assisted Kerala Water Supply Project- Pattuvam and Adjoining Villages- Package PIII R1- Distribution System Balance works - Final Variation Approval*

**Res. No. 10440** The Authority discussed the agenda note on the final variation proposal for Pattuvam Package PIII R1- Distribution system balance works contract awarded to M/s. Shriram EPC Limited, in detail and **resolved to approve variations for the package as recommended by the High Level Technical Committee, as per break up given below :**

1	Original BoQ	:	₹ 34,11,56,615/-
2	Net Excess previously approved	:	₹ 1,44,34,928/-
3	Total (Revised BoQ considering approved variations only) (1) + (2)	:	₹ 35,55,91,543/-

  
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4	<b>Variations approved now</b>	
i	BoQ / Non BoQ Excess	: ₹ 2,57,22,556/-
ii	BoQ savings	: ₹ 7,91,13,400/-
iii	Net variation(i) + (ii)	: ₹ 5,33,90,844/-
5	Over all variation with respect to original BoQ (2) + (4 (iii))	: ₹ 3,89,55,916/-
6	Final Revised BoQ (1) + (5)	: ₹ 30,22,00,699/-
7	Percentage savings over Original contract sum	: 11.42 % (below)

The Authority also noted that including variations previously approved for the Package, the overall variation will be a savings of ₹ 3,89,55,916 /- and the original contract sum of ₹ 34,11,56,615/- will become revised to ₹ 30,22,00,699/-, the overall reduction being 11.42%.

*Item No. V (7) JICA Assisted Kerala Water Supply Project- Pattuvam and Adjoining Villages- Package PIII R1- Distribution System Balance works – Granting of Final Time Extension*

**Res. No. 10441** The Authority discussed the agenda item in detail and resolved to approve the final time extension for Package P3-R1 Distribution System: Balance works of Pattuvam scheme awarded to M/s. Shriram EPC Limited, subject to the following conditions, as recommended by the Consultants and High Level Technical Committee.

- The completion period of Package PIII R1 contract works of Pattuvam Scheme shall be extended upto 30.06.2015 excluding the additional works entrusted at Morazha.
- The DLP of 2 years shall be from 01.07.2015 to 30.06.2017 for the entire Package PIII R1 works.
- Liquidated damages of ₹ 30.50 lakhs shall be levied on the contractor for delay of 2 months from 01.05.2015 to 30.06.2015, attributed to the contractor @ ₹ 50,000/- per day, as prescribed in the contract .
- The contractor shall keep all Bank Guarantees and insurances alive upto 30.06.2017 as required by the contract, without any extra cost to KWA.
- A Supplemental Agreement shall be executed by the Contractor, within 15 days of communication.

  
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*Item No. V (8) KWA – JICA Assisted KWSP – Institutional Strengthening – Supply and Installation of Electromagnetic Flow Meters – Approval of Variations*

**Res. No. 10442** The Authority discussed the agenda item in detail and **resolved to approve the variation for the contract for Supply and Installation of Electromagnetic Flow Meters as recommended by the High Level Committee, as detailed below. The work shall be completed in all respects by 31-05-2017.**

1	Original Contract Amount	₹ 99,933,389/-
2	BoQ Savings (-)	₹1,155,116/-
3	BoQ Excess	₹ 212,932/-
4	Net Savings (2-3) (-)	₹ 942,184/-
5	Non-BoQ Items (excess)	₹ 5,413,700/-
6	Overall Variations (5-4)	₹ 4,471,516/-
7	Revised BoQ (1+6)	₹ 104,404,905/-
8	Percentage excess over contract amount ((6/1)*100)	4.47%

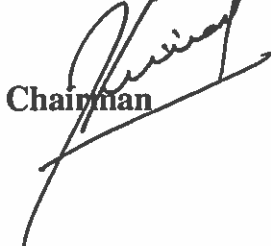
*Item No. V (9) JICA Assisted Kerala Water Supply Project - All Five Schemes (Thiruvananthapuram, Meenad, Cherthala, Kozhikode and Pattavam) – Package I –(Intake, Raw Water Pumping Main, Water Treatment Plant) - Operation and Maintenance Strategy*

**Res. No. 10443** The Authority discussed the agenda item in detail. The Authority observed that the five treatment plants constructed under the JICA Scheme are functioning satisfactorily. These treatment plants are of modern technology and equipped with SCADA system for their operation. The current drought situation is grave and it will be improper to introduce procedural changes in the operation and maintenance of the Water Treatment Plants which may jeopardize the water supply system in these areas. Hence the Authority **resolved to continue the present system for a period of 6 months.**

It is also noted that the Authority meeting held on 17-12-1015 has approved the proposal for tendering the Operation and maintenance of Package I. (Intake, WTP and Raw Water Pumping Main) for the three schemes with all personnel and

  
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material required to run the system, along with major and minor repairs, preventive maintenance etc. Now it is reported that in view of representation from some trade unions, state wide protest march to various JICA offices interpreting the tender for complete outsourcing is the move for privatisation the tendering procedure couldn't be started. A proposal has been put up for O&M of all the five JICA Schemes by deploying available manpower from KWA and by hiring or engaging on contract the balance man power required. It is suggested that the technical and maintenance support shall be outsourced through AMC with skilled manpower and materials required for periodical maintenance (preventive and break down), minor and major repairs etc. All chemicals required for treatment shall also procured by KWA. That is operation by KWA and maintenance by AMC along with supply of some skilled labours by the AMC contractor.

The Authority discussed the above proposal in detail. The Authority observed that in framing strategies for the O&M the proper functioning of the Water Treatment Plant has to be given prime importance. The Authority directed the Managing Director to review the above proposal. It is also directed to assess the manpower required for the operation of the new plants constructed under JICA scheme. The Managing Director shall also negotiate with the trade unions and arrive at appropriate methodology for O&M of the plants keeping in view of the value of the assets and as well as the robustness of operation of the plants for optimum utilization.

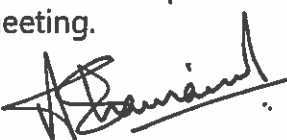
*Item No. VI (1) KWA – Estt –Payment of Bonus/ Festival Allowance/ Onam Advance to the employees and pensioners of Kerala Water Authority for the year 2016*

Ratified.

*Item No. VI (2) KWA – Estt – Representation from Association of Kerala Water Authority Officers (AKWAO) for Recognition*

The Authority discussed the agenda in detail. The Authority noted that there are certain anomalies such as clarity on the total number of members, retired persons serving as office bearers etc. and the procedure for recognition of Associations. The Authority directed to place the agenda after rectifying the defects and with the opinion of the legal wing for a decision in the next meeting.

  
Secretary

  
Managing Director

  
Chairman

*Item No. VI (3) Leave without Allowance of Sri.Biju George, Assistant Engineer, WW Section II, Thiruvanchoor for better employment*

The Authority discussed the agenda. Sri. Biju George joined duty on 11-10-2004 and has availed LWA for five years from 14-12-2004. On expiry of the leave he has applied for extension of leave for a further period of five years which was not granted and he was directed to join back duty on 01-03-2010. He has again submitted leave application with effect from 15-11-2009 and the Authority in its 380<sup>th</sup> meeting directed to inform whether he has joined duty. It is reported that Sri. Biju George has not joined duty even after repeated directions. Under these circumstances, it is directed to issue notice to Sri. Biju George to join duty and if the incumbent is not reporting for duty action shall be taken to terminate the services as per rules.

*Item No. VI (4) Kerala Water Authority – Estt-Compassionate Employment Scheme*

**Res. No. 10444** The Authority discussed the agenda and **resolved to recommend to the Government the applications of Sri. Badusha K.N. S/o Late Sri. K.A. Noushad, Sri. Sri.Prince J. Vijay S/o Late R. Vijayakumar, Smt. Jayasree P.R.,W/o Late G. Gopakumar & Smt. Daliya Raman, W/o Late Sri.K.K. Raman for Compassionate Employment Scheme.**

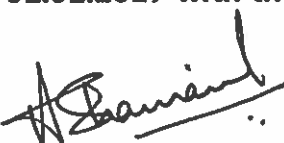
*Item No. VI (5) Kerala Water Authority – Estt-Compassionate Employment Scheme*

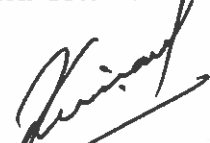
**Res. No. 10445** The Authority discussed the agenda and **resolved to recommend to the Government the applications of Sri.R.Anil Kumar, S/o Late Sri. T.Vijayamma, Sri.R.Sibin Raj, S/o Late M.G. Rajappan, Sri.S.Manulal, S/o Late Madhu.N, Smt.Maji Gopakumar, W/o Late V.G. Gopakumar, Smt. Khadeeja, W/o Late Jamaludeen ATP, Sri.M. Sreekanth, S/o Late P.K. Mohanan and Sri. Arun Raj. S/o. Late Rajamani, for Compassionate Employment Scheme.**

*Item No. VI (6) KWA – Estt – Extension of period of contract of Sri.P.N.Venu Special Officer (Land Matters)*

**Res. No. 10446** The Authority discussed the agenda item in detail and **resolved to extend the period contract of Sri. P.N.Venu, Special Officer (Land Matters) for a further period of one year with effect from 01.01.2017 with the same terms and conditions as before.**

  
Secretary

  
Managing Director

  
Chairman

*Item No. VI (7) Kerala Water Authority-Estt-The appointment of Data Base Administrator on deputation basis from Information Technology*

**Res. No. 10447** The authority discussed the agenda in detail and **resolved to fill up the post of Data Base Administrator by deputation from other Government departments from candidates possessing the requisite qualification.**

*Item No. VI (8) Estt – Re-imbusement of the cost of Hearing-Aid –application-Submitting of*

**Res. No. 10448** The Authority discussed the agenda in detail and resolved to sanction an amount of ₹10000/- to Sri.G.Anil, Operator, Water Supply Division, Attingal towards the cost of Hearing aid.

*Item No. VII (1) CWSS to Sabarimala and Pampa – Installation of Reverse Osmosis water treatment plants at Nilakkal Parking Ground – Ratification of Administrative Sanction*

**Res. No. 10449** The Authority discussed the agenda in detail and **resolved to ratify the action taken by the High Level Committee to accord Administrative Sanction for the work “CWSS to Sabarimala and Pampa – Installation of Reverse Osmosis water treatment plants at Nilakkal Parking Ground” for an amount of ₹ 33,50,000/- (Rupees Thirty Three Lakhs and Fifty Thousand Only) under the scheme code “72- Deposit Work” of Kerala Water Authority anticipating deposit from Travancore Devaswom Board. The Authority also directed to follow up the matter with the Secretary, TDB for getting the amount deposited at the earliest.**

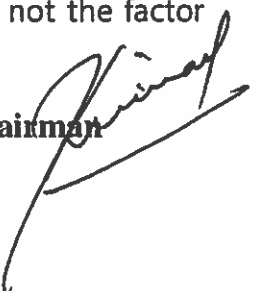
The Authority also observed that the water supply system at Sabarimala was properly maintained and the installation of RO plants was carried out within a short period. The Authority appreciated the efforts of the staff in properly managing and maintaining the system.

*Item No. VII (2) Service Connection to flats and multi storey buildings*

**Res. No. 10450** The Authority discussed the agenda in detail. As per the KWSS act, connection to flat/multi storied buildings can be provided only from a pipe line having a diameter above 150 mm. The Authority observed that connections are denied to public stating the reason that the inner diameter of pipe is less than 150mm. It is to be noted that diameter alone is not the factor

  
Secretary

  
Managing Director

  
Chairman

deciding the discharge through a pipeline. After detailed discussion the Authority resolved to clarify that service connection to flats and multi storied buildings can be sanctioned from 150 mm pipes irrespective of inner or outer diameter subject to technical feasibility.

*Item No. VII (3) KWA- Enhancing Blue Brigade in major schemes-Phase I-Thiruvananthapuram -PH Divisions (North &South) and in all District Head Quarters*

**Res. No. 10451** The Authority discussed the agenda in detail. The Authority resolved to implement the proposal of enhancing blue brigade in Thiruvananthapuram -PH Divisions (North & South) and in all District Head Quarters as first phase. Further expansion of BB units shall be considered after reviewing the performance of the BB units for six months. The Authority also resolved that the plumbers and fitters of KWA shall be deployed to the BB units for their effective functioning.

*Item No. VIII (1) Procurement and Re-allotment of vehicles for the year 2016-17*

**Res. No. 10452** The Authority discussed the agenda in detail and resolved to entrust the Managing Director for procurement of new vehicles for the year 2016-17 based on the availability of funds.

*Item No. VIII (2) 2017-ലെ കേരള വാട്ടർ അതോറിറ്റിയുടെ ഡയറി അച്ചടിക്കുന്നത് റദ്ദാക്കിയതു സംബന്ധിച്ച് ശ്രദ്ധയിൽപ്പെട്ടു.*


*Item No. VIII (3) Providing accommodation for the Managing Director in KWA Guest House*

**Res. No. 10453** The Authority discussed the agenda in detail. The Authority resolved to provide accommodation to the Managing Director in the Guest House of Kerala Water Authority at Thiruvananthapuram as a special case, till the completion of the repair and maintenance of the quarters. Since the accommodation is provided in the Guest House in lieu of quarters and it is only minimal facilities compared with quarters a nominal monthly rent of 40% of HRA only may be charged.

*Item No. VIII (4) മെട്രോ വാർത്ത ദിനപത്രത്തെ അതോറിറ്റിയുടെ ദർഘാസ് പരസ്യങ്ങൾക്കുള്ള പാനലിൽ ഉൾപ്പെടുത്തണമെന്ന ആവശ്യത്തെ സംബന്ധിച്ച്.*

  
Secretary

  
Managing Director

  
Chairman

**പ്രമേയം 10454** അതോറിറ്റി ടി. വിഷയം പരിശോധിച്ചതിനു ശേഷം സി വിഭാഗത്തിൽ ഉൾപ്പെടുന്ന മെട്രോ വാർത്ത ദിനപത്രത്തെ കേരള വാട്ടർ അതോറിറ്റിയുടെ ദർഘാസ് പരസ്യങ്ങൾ പ്രസിദ്ധീകരിക്കാൻ തയ്യാറാക്കിയ പട്ടികയിൽ കേരള സർക്കാരിന്റെ ഐ & പി.ആർ.ഡി നിരക്കിൽ ഉൾപ്പെടുത്താൻ തീരുമാനിച്ചു.

*Item No. VIII (5)* തിരുവനന്തപുരം സർക്കാർ മെഡിക്കൽ കോളേജ് - വിദ്യാഭ്യാസ പ്രദർശനം - (മെഡെക്സ് '17') അതോറിറ്റിയുടെ സാമ്പത്തിക സഹായം അഭ്യർത്ഥിച്ചതിനെ സംബന്ധിച്ച്.

**പ്രമേയം 10455** അതോറിറ്റി ടി. വിഷയം വിശദമായി പരിശോധിച്ചതിനു ശേഷം തിരുവനന്തപുരം സർക്കാർ മെഡിക്കൽ കോളേജിൽ സംഘടിപ്പിക്കുന്ന മെഡെക്സ് '17' എന്ന വിദ്യാഭ്യാസ പ്രദർശനത്തിന് സാമ്പത്തിക സഹായം നൽകേണ്ടതില്ല എന്നു തീരുമാനിച്ചു.

*Item No. IX (6)* *Onam Celebration 2014 Expenses*

**Res. No. 10456** The Authority discussed the agenda in detail and **resolved to sanction an amount of Rs.3,11,633/- towards the expenses for illumination of the Head Quarters premises in connection with Onam celebration 2014.** The estimates and tender for the work has to be approved by the Chief Engineer (SR) as per rules.

*Item No. IX (7)* *Housekeeping work of Training Centre and Hostel Building for the year 2014-15-Revised Estimate*

**Res. No. 10457** The Authority discussed the agenda in detail and observed that the Quantities are exceeded due to the extension of contract beyond the agreement period. The High Level Committee has also opined that KWA has savings due to the continuation of the subject contract as the subject contract was 3% below the estimate rate (accepted PAC of Rs.11,53,505.00) which was less than the new contract rate (ie, Rs.13,73,624.00) awarded at Estimate rate on 31/05/2016)

After detailed discussion the **Authority resolved to approve the Revised Estimate for the subject work for ₹19,85,726.00 which is 66.98% above the estimate rate of ₹11,89,180.00**

*Item No. X (1)* *Counting of Previous Service in Police Department for Pension and other benefits*

Deferred

  
Secretary

  
Managing Director

  
Chairman

*Item No. X (2) Appointment of Standing Counsel*  
**Res. No. 10458** The Authority resolved to appoint Adv. Shri. P. Benjamin Paul as Standing Counsel of Kerala Water Authority before the Hon'ble High Court of Kerala replacing Sri. Joseph John.

*Item No. X (3) Meter Reading of Kerala Water Authority Consumers – through own staff and through Kudumbasree members*  
**Res. No. 10459** "The Authority discussed the subject matter of the agenda in detail and resolved to accord sanction to revise the meter reading charges payable to Kudumbasree meter readers engaged along with revising the number of reading to be taken per month as follows

Area	Revised Rate for Kudumbasree Meter Readers.	
	No. of Reading / Day	Rate per Consumer
Corporation	60	₹11.25(₹675/60)
Municipality	50	₹13.50(₹675/50)
Panchayath	45	₹15.00(₹675/45)

It is also resolved to Change the meter reading cycle from bi-monthly to once in four months in rural areas for domestic consumers.

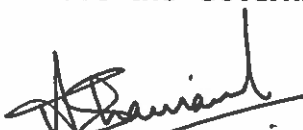
*Item No. X (4) KWA-Jalanidhi II – Providing bulk supply to the Grama panchayath from KWA schemes – revised A4 agreement, MoU & Guidelines for bulk supply*

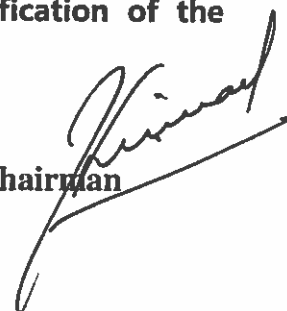
The Authority noted the contents of the item.

*Item No. IX (5) Setting up of packaged drinking water plant at Aruvikkara – Administrative Sanction for balance works*

**Res. No. 10460** The Authority observed that an amount of Rs. 175 Lakhs is additionally required for the completion of the bottling plant. Considering the status of power supply at Aruvikkara the expenses for Generator set can be avoided. The Authority after detailed discussions resolved to accord AS for an amount of ₹120 Lakhs (Excluding Diesel Generator Set) for completion and commissioning of the bottling plant under the head of Account 99-11 Manufacturing Unit of bottled water and move the Government for ratification of the decision.

  
Secretary

  
Managing Director

  
Chairman

*Item No. X (6) Finalization of KWA SoR*

**Res. No. 10461** The Authority discussed the agenda in detail and **resolved to approve the draft KWA SoR as recommended by the High Level Committee and the Technical Committee.**

*Item No. X (7) Finalization of KWA O&M SoR*

**Res. No. 10462** The Authority discussed the agenda in detail and **resolved to approve the draft KWA O&M SoR as recommended by the High Level Committee and the Technical Committee.**

*Item No. X (8) ARP- WSS to Munnad, Bedadukka and Kuttikole Villages in Kasaragod Dist. – Balance Work Supplying , Laying, Testing, Trial running and Commissioning of Balance Distribution System, Construction of 30,000 Litres Capacity OH Tank , Pump house and Supply and erection of pump sets*

**Res. No. 10463** The Authority discussed the agenda and **resolved to award the work of "ARP- WSS to Munnad, Bedadukka and Kuttikole Villages in Kasaragod Dist. – Balance Work Supplying, Laying, Testing, Trial running and Commissioning of Balance Distribution System, Construction of 30,000 Litres Capacity OH Tank, Pump house and Supply and erection of pump sets to the lowest tenderer Sri. E.V Raju, Eranakulam at his quoted amount of ₹4,96,82,270/- which is at 4.72 % below the tendered PAC of ₹5,21,42042/- based on DSR 2014.**  
The Authority also directed the tendering authority to ensure that reputed make pumpsets are insisted at the time of issuing work order.

*Item No. X (9) SLSSC\_2016 - WSS to Kannamangalam Village in Malappuram Dt. Supplying and laying distribution networks –Tender*

**Res. No. 10464** The Authority discussed the agenda item in detail. It is noted that this is the first re-tender and two offers were received. Out of this, the lowest offer is from Sri. George Mathew who has quoted an amount of Rs. 11,88,99,999/- which is 9.60 % above the tendered PAC of Rs 10,84,90,338 /- based on DSR 2014 excluding excise duty for pipes and 10.64% above the corrected tendered PAC of Rs. 10,74,68,108/- but 11.7% below the LMR estimate of Rs 1346.57 Lakhs. After detailed discussions the Authority **resolved to award the work of "SLSSC\_2016 - WSS to Kannamangalam Village in Malappuram Dt. Supplying and laying distribution networks" to the lowest tenderer Sri. George Mathew by**

  
Secretary

  
Managing Director

  
Chairman

limiting the amount to ₹ 11,82,14,918/- which is 10% above the corrected TPAC of ₹ 10,74,68,108/- after modifying the payment schedule accordingly with directions to the tendering authority to ensure that all the provisions provided in the NIT shall be executed without any additional cost

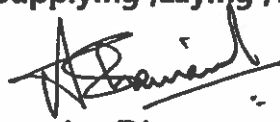
*Item No. IX (10)* NRDWP – 20th SLSSC 2014 –WSS to Anakkara, Pattithara & Kappur Panchayaths in Pattambi Taluk – Phase II - Package I – Design, construction, commissioning and maintenance of 4.50LL capacity OHSR near Pattithara panchayath Office & supplying, laying, testing, commissioning and maintenance of distribution system by using DI, PVC and GI pipes of various size from 250mm to 80mm in Kappur Panchayath.

**Res. No. 10465** The Authority discussed the agenda item in detail and resolved to award the work of "NRDWP – 20<sup>th</sup> SLSSC 2014 –WSS to Anakkara, Pattithara & Kappur Panchayaths in Pattambi Taluk – Phase II - Package I – Design, construction, commissioning and maintenance of 4.50LL capacity OHSR near Pattithara panchayath Office & supplying, laying, testing, commissioning and maintenance of distribution system by using DI, PVC and GI pipes of various sizes from 250mm to 80mm in Kappur panchayath" to the lowest tenderer Sri.T.Mohammed Ali, Shoranur at his quoted amount of ₹4,75,85,670/- which is 10.43 % below the tendered PAC of ₹531.28 lakhs based on SoR 2012 and which is at 7.58% below the revised tendered PAC of ₹ 5,14,87,189/- excluding excise duty for DI pipes after getting the validity period extension from the lowest tenderer. If the lowest tenderer is not agreeing for extension of validity period the work may be awarded to the second lowest at L1 rates (₹4,75,85,670/-) provided they are extending the validity period or else the work shall be retendered.

*Item No. X (11)* NRDWP – WSS to Thalikulam Panchayath by augmenting Nattika Firka scheme – Phase I-Package I - Supplying, laying, testing and commissioning of 700mm dia DI K9 pipe from Vellani master tank to CV centre - 6250m

**Res. No. 10466** The Authority discussed the agenda in detail and resolved to award the work of "NRDWP – WSS to Thalikulam Panchayath by augmenting Nattika Firka scheme –Phase I – Package I Supplying ,Laying ,Testing and Commissioning of

  
Secretary

  
Managing Director

  
Chairman

700mm dia DI K9 pipe from Vellani master tank to CV center -6250M" to the lowest tenderer Sri C.T Thambi, Thrissur at the quoted amount of ₹ 8,73,23,500/- which is 10.2% below the Tendered probable amount of contract ₹ 9,72,43,018/- after getting the validity period extended. If the lowest tenderer is not agreeing for extension of validity period the work may be awarded to the second lowest at L1 rates (₹8,73,23,500/-) provided they are extending the validity period or else the work shall be retendered.

*Item No. X (12) NRDWP – WSS to Thalikulam Panchayath by augmenting Nattika Firka scheme – Phase I-Package II - Supplying, laying, testing and commissioning of 600mm dia - DI K9 pipe Gravity main from CV centre to Valappad OH tank - 4000 M*

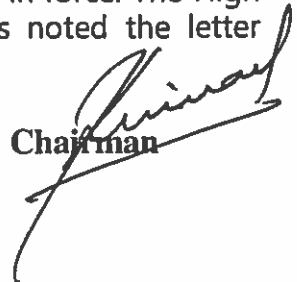
**Res. No. 10467** The Authority discussed the agenda in detail and resolved to award the work of "NRDWP – WSS to Thalikulam Panchayath by augmenting Nattika Firka scheme – Phase I-Package II - Supplying, laying, testing and commissioning of 600mm dia - DI K9 pipe Gravity main from CV centre to Valappad OH tank - 4000 M " to the lowest tenderer Sri Shibu Zacharia, Thrissur who has quoted the lowest amount of ₹ 4,63,15,000/- which is 8.25% below the Tendered probable amount of contract ₹ 5,04,81,835/- after getting the validity period extended. If the lowest tenderer is not agreeing for extension of validity period the work may be awarded to the second lowest at L1 rates (₹4,63,15,000/-) provided they are extending the validity period or else the work shall be retendered.

*Item No. X (13) 19- replacement of old/damaged pipe line- JICA Assisted Water Supply Project to Cherthala Municipality and adjoining villages - Replacing existing GRP Raw Water Transmission line with MS pipe at Maravanthuruth Panchayat and allied works in time bound manner – Tender*

**Res. No. 10468** The Authority discussed the agenda in detail. The Authority noted that the subject tender is the 1<sup>st</sup> tender wherein three tenderers were prequalified of which, the tenderer M/s.Vishwa – ICL (JV), quoted the lowest amount of ₹ 1931,86,328/- which is 4.986% above TPAC ₹1840,11,526/- based on DSR 2014. The legal wing has pointed out that there exist previous litigation against the contracting firm but a NIL Q8 statement was submitted by the L1. Also, on the date of preliminary agreement, no Joint Venture agreement was in force. The High Level Committee evaluating the tender has noted the letter

  
Secretary

  
Managing Director

  
Chairman

dated 09/01/2017 received from Chief General Manager, Bihar Urban Infrastructure Development Corporation Ltd. where in it is informed that Bihar Urban Infrastructure Development Corporation Ltd. has decided to blacklist the firm M/s Vishwa for five years from 10/02/2016, in pursuance of the order by Patna High Court dated 19/08/2015 in case no.12235/15. Considering that the firm M/s Vishwa (lead partner of JV) was blacklisted by M/s BUDICo from 10/02/2016 for five years, and also due to the fact that the L1 tenderer has submitted false information, the HLC has recommended to reject the offer submitted by the firm M/s Vishwa-ICL (JV) as they are technically disqualified as per NIT condition and to award the work to the L2 contractor M/s ABG Engineering Pvt. Ltd. at L1 rates.

The Authority after detailed discussions on the above resolved to award the work "19- replacement of old/damaged pipe line- JICA Assisted Water Supply Project to Cherthala Municipality and adjoining villages - Replacing existing GRP. Raw Water Transmission line with MS pipe at Maravanthuruth Panchayat and allied works in time bound manner" to the L2 contractor, M/s ABG Engineering Pvt. Ltd. for ₹1931,86,328/- (at L1 rate) which is 4.986% above Tendered PAC of ₹18,40,11,526/- based on DSR 2014, considering them as the lowest tenderer since the L1 is not qualified as per NIT conditions.

*Item No. X (14) JICA Assisted Kerala Water Supply Project – Water Supply scheme to Kozhikode City and adjoining villages – Package 2A – laying transmission main – Chelannur SNG College gap work – Negotiated Land Purchase*


**Res. No. 10469** The Authority discussed the agenda item in detail and resolved to address Government requesting sanction for negotiated purchase of the land through DLPC with the approval of SLEC.

*Item No. X (15) Interim proposals for providing safe drinking water to fluoride affected habitations – approval*

**Res. No. 10470** The Authority discussed the agenda in detail. The Authority noted that the proposals are for providing drinking water supply to ten fluoride affected habitations. It is observed that the recent implementation of Reverse Osmosis plants in Sabarimala was successful. Installing Reverse Osmosis Units is a viable option and can be completed within a short time. The possibility of introducing mobile Reverse Osmosis units shall

  
Secretary

  
Managing Director

  
Chairman

also be explored for the remaining fluoride affected habitations which cannot be covered through other schemes. Proposal for providing water through tanker lorries can also be replaced with mobile Reverse Osmosis units. The Authority after discussions **resolved to accord Administrative Sanction for 10 interim proposals amounting to ₹ 410.80 lakhs for providing safe drinking water to fluoride affected habitations subject to the conditions proposals shall be ratified in the next forthcoming SLSSC.**

*Item No. X (16) Pipe policy for adoption of materials in water supply and sewerage schemes – review/revision after 3 years*

The Authority discussed the agenda in detail and decided that the present policy shall continue and changes can be considered later.

  
Secretary

  
Managing Director

  
Chairman