

SECRETARY
KERALA WATER AUTHORITY
JALA BHAVAN
THIRUVANANTHAPURAM - 695033



Minutes of the 361st meeting of KWA held on 14/05/2013 at 02.30 p.m. in the Conference Hall, Kerala Water Authority, Thiruvananthapuram.

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Present:

- | | |
|---|-------------------|
| 1. Sri. V.J. Kurian, IAS, Additional Chief Secretary (WR) | Chairman |
| 2. Sri. Ashok Kumar Singh, IAS | Managing Director |
| 3. Sri. K. V. Mani | Member |
| 4. Sri. Johny Areekattel | Member |
| 5. Sri. John Thomas | Member |
| 6. Sri. E. K. Chellappan | Member |
| 7. Sri. P.S. Rajendrababu | Technical Member |
| 8. Sri. V.S. Pradeep, (FM&CAO) | Special invitee |
| 9. Sri. M. G. Rajamanickam (ED, KRWSA) | Special invitee |
| 10. Sri. P.D. Raju | Secretary |

Item No. I (1) Review of billing and Collection for the month of March 2013

The Authority reviewed the billing and collection for the month of March 2013.

Item No. II (1) Drought Relief Works- 2013 - sanctioned-phase II- Ratification

Res. No. 9428 The Authority discussed the matter in detail and **resolved to ratify the action of Managing Director in having sanctioned the Drought Relief works as phase-II for 412 works amounting to Rs.969.98 Lakhs/-.**

Item No. III (1) Setting up of HDPE Manufacturing Unit at Chavara

The Authority discussed the matter in detail. The Authority desires to know whether land is available and hence deferred the item for the time being.

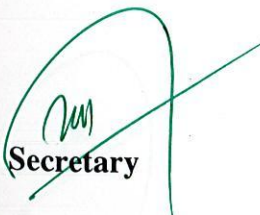
Item No. III (2) Proposed Packaged Drinking Water Plant at Aruvikkara – proposal for Preparation of DPR

The Authority discussed the matter in detail and decided to request KITCO to revise the estimate with design.

Item No. III (3) Procurement of new vehicle for the official use of KWA – Sanction

The Authority discussed the matter in detail. The Authority decided to address JICA whether funds are available for purchase of vehicle in this year and hence deferred the item for the time being.

Item No. IV (1) CWSS to Thevalakkara and Thekkumbhagam Panchayath-Balance work-Part II -construction of 10LL capacity OHSR at Panchayath Playground Thevalakkara-Tender


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Res. No. 9429 The work was awarded to Sri. N. Anilkumar at 5% above estimate of SoR 2012 vide resolution No. 9304. The contractor is not willing to do the work at 5% above rate. The Authority noted that the Chief Engineer (SR) has justified the rate offered by the contractor considering the time factor involved in retendering and loss of season congenial for construction activities. Firm period of the tender will expire on 31/05/2013. The Authority after detailed deliberation **resolved to award the work of "CWSS to Thevalakkara and Thekkumbhagam Panchayath-Balance work-Part II -construction of 10LL capacity OHSR at Panchayath Playground Thevalakkara" to the lowest tenderer Shri N.Anil Kumar at 10% above the estimate based on SoR 2012 with the condition that the work should be started within one month from the date of order or else to be retendered.**

Item No. IV (2) NRWDP-WSS to Amalapuram and Thattupara .in Ayyampuzha panchayat – Supplying, laying, testing and commissioning of 40 mm to 160 mm PVC cl-3, 20 mm to 150 mm GI medium class, 150 mm DI K(9), and 200 mm. DI K(7) Distribution lines – Explanation of Superintending Engineer

Res. No. 9430 The Authority discussed the matter in detail and noted that the explanation of Sri. T. G. Rajasekharan, Superintending Engineer is not at all satisfactory. The Authority opined that it is the duty of the Superintending Engineer that the source work should be tendered first. He should have tendered the distribution work tender only after tender for source was invited. Hence the Authority **resolved that payment for the work shall be made only after the written permission of the Managing Director.**

Item No. IV (3) NRWDP-XVI SLSSC 2011 – WSS to Amalapuram and Thattupara in Ayyampuzha panchayat , Construction of 4m dia intake well cum pump house at Kothaithode in Ward No.VII of Ayyampuzha Panchayat , Supplying, laying, testing, commissioning of 150mm dia DI K9 Raw Water Pumping Main, formation of road etc-Tender

Res. No. 9431 The Authority discussed the tender in detail and **resolved to award the work "NRWDP-XVI SLSSC 2011 – WSS to Amalapuram and Thattupara in Ayyampuzha panchayat – Construction of 4m dia intake well cum pump house at Kothaithode in Ward No.VII of Ayyampuzha Panchayat, Supplying, laying, testing, commissioning of 150mm dia DI K9 Raw Water Pumping Main, formation of road etc- to the lowest tenderer Sri.K.K.Mohammed at the negotiated quoted amount of Rs.68,99,537/- which is 8.88% above the corrected tendered PAC of Rs 63,36,870/-based on SoR 2012 .**


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It is also directed that necessary correction as above on the TPAC shall be made before awarding the work.

Item No. IV (4) NABARD – RIDF XVI (285) – CWSS to Perumbavoor (Rayamangalam) - Supply and erection of VT pumpset having a discharge of 32 lps against a total head of 70m at old raw water pump house at Vallom (2Nos)- Tender

Res. No. 9432 The Authority discussed the agenda in detail and resolved to award the work of “NABARD – RIDF XVI (285) – CWSS to Perumbavoor (Rayamangalam)-Supply and erection of VT pumpset having a discharge of 32 lps against a total head of 70m at old raw water pump house at Vallom (2Nos)” to the lone tenderer M/s.Thoovara Enterprises,XXVI/115,city Gallery, Pukkattupady road, Toll junction, Edappally at the negotiated quoted amount of Rs.21,59,000/-(Rupees twenty one lakhs fifty nine thousand only) which is 19.02% above the corrected PAC of Rs. Rs.18,13,981/-

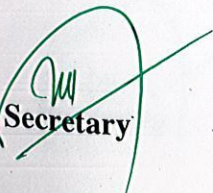
Item No. IV (5) NABARD RIDF-XVI Replacement/Rehabilitation of obsolete pumps and motors in various pump houses under W.S Division, Kochi-Tender

The Authority discussed the matter in detail. It is noted that pumps supplied by M/s. Nirman Electricals for schemes to Kulathara and Uchakkatta in Thiruvananthapuram district was damaged during trial running. Hence it is directed to get report on performance from Superintending Engineer, Thiruvananthapuram and deferred the item for the time being.

Item No. IV (6) NABARD-RIDFXVI (275)-RWSS to Thabore- Supply and erection of VT pumpset and motors with all accessories having a discharge of 10lps against total head of 153m with minimum efficiency of 70%-Tender

Res. No. 9433 The Authority discussed the agenda in detail and resolved to award the work “NABARD-RIDFXVI (275)-RWSS to Thabore- Supply and erection of VT pumpset and motors with all accessories having a discharge of 10lps against total head of 153m with minimum efficiency of 70%” to the single tenderer M/s.Thoovara Enterprises, Kochi at the negotiated quoted amount of Rs.7,80,000/-which is 22.92% above tendered PAC of Rs. 6,34,541/-The Authority also directed that the Superintending Engineer should take necessary steps to provide flow meter before completion of installation of pump sets.

Item No. IV (7) GIDA – Deposit work - Improvements of WSS to Kadamakkudy Panchayat – Supply, Erection, testing and commissioning of 2Nos.


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315KVA transformer –HT installations and allied works at new Treatment Plant at Muppathadam –Tender

Res. No. 9434 The Authority discussed the agenda in detail and resolved to award the work of “GIDA – Deposit work – Improvements of WSS to Kadamakkudy Panchayat – Supply, Erection, testing and commissioning of 2Nos. 315KVA transformer –HT installations and allied works at new Treatment Plant at Muppathadam” to the single tenderer M/s Tesla Heavy Electricals for an amount of Rs.34,62,005/- which is 23.64% above the TPAC amount of Rs. 28,00,000/-

Item No. IV (8) ARWSS to Thalayazham and adjoining villages - Revised Estimate of the scheme

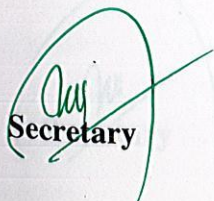
Res. No. 9435 The Authority discussed the Revised Estimate in detail and resolved to sanction the Revised estimate and accord Revised Administrative Sanction for the scheme “ARWSS to Thalayazham and adjoining villages” for an amount of Rs. 3938.96 lakhs which is 51.5% above the original Administrative Sanction amount of Rs. 2600 lakhs.

Item No. IV (9) Rehabilitation of UWSS to Nedumangad Municipality (Phase I) – Supplying, laying, testing and commissioning of 500 mm DI K9 pipe for replacing the existing 500 mm premo transmission main from WTP Perumala to sump at Seemamula & replacing the existing old & damaged AC distribution mains with 160 mm and 110 mm PVC 10 Kg/cm² pipes in town area and Vencodu Sastha temple road – Tender

Res. No. 9436 The Authority discussed the matter in detail and resolved to award the work of “Rehabilitation of UWSS to Nedumangad Municipality (Phase I) – Supplying, laying, testing and commissioning of 500 mm DI K9 pipe for replacing the existing 500 mm premo transmission main from WTP Perumala to sump at Seemamula & replacing the existing old & damaged AC distribution mains with 160 mm and 110 mm PVC 10 Kg/cm² pipes in town area and Vencodu Sastha temple road” to the lowest tenderer M/s. Tomco Engineering Pvt Ltd at his quoted amount of ₹ 69000353/- which is 3.13% above tendered PAC of ₹ 66904099/- based on SoR 2012.

Item No. IV (10) CWSS to Ettumanoor and adjoining villages in Kottayam District – Supply, erection and commissioning of 2 Nos. C/F pump set in the clear water pump house for pumping water to OH tank at Vedagiri - Tender

Res. No. 9437 The Authority discussed the matter in detail and noted that all other components are completed. The Authority opined that even though


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the rate quoted is very high, the scheme can be commissioned without much delay. The Authority resolved to award the work of "CWSS to Ettumanoor and adjoining villages in Kottayam District – Supply, erection and commissioning of 2 Nos. C/F pump set in the clear water pump house for pumping water to OH tank at Vedagiri" to M/s. Barnett Associates at Rs. 17,68,590/- which is 25% above tendered PAC of Rs. 14,14,874/-. The Authority also directed that, while placing agreement, the make, model and specification of starter, panel boards, cables etc. is to be specified.

Item No. IV (11) AUWSS to Pudukkad village in Thrissur District – Design, supply, erection and Commissioning of 3 Nos 2.5mld pressure filter near Kurumala pump house – Tender

Res. No. 9438 The Authority discussed the tender in detail. It is noted that much delay has been caused to commission the scheme. It is noted that 3 Nos. each of 2.5 mld has been proposed at a cost of 81.14 lakhs. The turbidity of raw water is very high. Hence the technology is not suitable. Hence the Authority resolved to cancel the tender and decided to go for micro filter, which is viable option. The Superintending Engineer, Thrissur will take urgent action to tender work with micro filter.

Item No. IV (12) CARWSS to Moorkkanad and adjoining villages – Phase I to V-Construction and commissioning of 15MLD capacity Water Treatment Plant (Rapid sand filter) and allied structures at Thudiyarattukunnu in Malappuram District – Balance work–Tender

Res. No. 9439 The Authority discussed the matter in detail. It is noted that the experience certificate is not legible. The genuineness of the certificate should be verified by the Managing Director to take a decision. It is also decided to get explanation from the Superintending Engineer, Kozhikkode. However the Authority resolved to approve the lowest offer for the work of "CARWSS to Moorkkanad and adjoining villages – Phase I to V-Construction and commissioning of 15MLD capacity Water Treatment Plant (Rapid sand filter) and allied structures at Thudiyarattukunnu in Malappuram District – Balance work received from the lowest tenderer Sri. P.P Abbas (JV with M/s. Mega Engineering Projects), Palliparamban House, Keezhuparamba P.O, Arikode, for his reduced quoted amount of ₹ 2,17,00,000/- which is at an overall excess of @ 32.87% above the tendered PAC of ₹1,63,31,719/-, based on revised SoR 2010 and 15.19% above the estimated PAC of ₹1,88,37,719/- based on revised SoR 2012. The Chief


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Engineer(NR) shall ensure the authenticity of the certificate issued by the Engineer-in -Chief, Public Health Engineering Department, A.C. Gaurds, Haidarabad to M/s Mega Engineering Projects (JV partner of the lowest tenderer Sri. P.P. Abbas) before executing the agreement.

Item No. IV (13) CARWSS to Thirunavaya and adjoining villages – Phase I & III– Supply, erection, testing and commissioning of 230 HP capacity centrifugal pump set with suitable Electric motor and allied works – Tender

Res. No. 9440 The Authority discussed the matter in detail and resolved to approve the lowest offer for the work of “CARWSS to Thirunavaya and adjoining villages – Phase I & III– Supply, erection, testing and commissioning of 230 HP capacity centrifugal pump set with suitable Electric motor and allied works received from the lowest tenderer M/s. Sakthi Agencies with reduced quoted amount of ₹ 49,15,000/- which is @ 15.50 % above the tendered PAC of ₹42,55,370/-.

Item No. IV (14) NRWSS to Chengala, Muliya, Madhur and Mogral Puthur Panchayaths in Kasaragod Taluk in Kasaragod District, Phase - 1- Package I- Construction of 8.00m dia intake well cum pump house at Mottal, Supplying, laying, testing, commissioning of Raw water pumping main Between intake well and Treatment Plant at Bavikkarakunnu, 400 mm Dia and 500 mm Dia Clear Water Pumping Main between GL Reservoir at Treatment Plant and OH reservoirs at Bovikkanam- Tender

Res. No. 9441 The Authority discussed the matter in detail and resolved to award the work of “NRWSS to Chengala, Muliya, Madhur and Mogral Puthur Panchayaths in Kasaragod Taluk in Kasaragod District, Phase - 1- Package I- Construction of 8.00m dia intake well cum pump house at Mottal, Supplying, laying, testing, commissioning of Raw water pumping main Between intake well and Treatment Plant at Bavikkarakunnu, 400 mm Dia and 500 mm Dia Clear Water Pumping Main between GL Reservoir at Treatment Plant and OH reservoirs at Bovikkanam” to single tenderer M/s. Reena Engineering & Contractors Pvt. Ltd., Goa at an overall excess of 15% above the estimate PAC of Rs. 64020499/- based on SoR 2012.

Item No. IV (15) CARWSS to Thirunavaya and adjoining villages-Design, Manufacturing, Supply, Erection, Testing, Trial running and Commissioning of Electrical substation Transformer and allied works required for the raw Water pump house at Thirunavaya and clear water pump house at Kuttikalathani-Tender


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Res. No. 9442 The Authority discussed the matter in detail and resolved to approve the single offer for the work of Design, Manufacturing, Supply, Erection, Testing, Trial running and Commissioning of Electrical substation transformer and allied works required for the Raw Water pump house at Thirunavaya and clear water pump house at Kuttikalathani received from the single tenderer M/s Electrical Projects Consultants at their negotiated quoted amount of Rs.1,57,58,263/-, which is @ 8.80 % above the tendered PAC of Rs. 1,44,83,774/-.


Item No. IV (16) NRWSS to Chengala, Muliya, Madhur and Mogral Puthur Panchayaths in Kasaragod Taluk in Kasaragod District, Phase - 1- Package III- Design, Construction, Testing and Commissioning of 30 MLD water treatment plant and allied structures at Bavikkarakunnu - Tender

Res. No. 9443 The Authority discussed the tender in detail and resolved to award the work of "Design, Construction, Testing and Commissioning of 30 MLD water treatment plant and allied structures at Bavikkarakunnu" for NRWSS to Chengala, Muliya, Madhur and Mogral Puthur Panchayaths in Kasaragod Taluk in Kasaragod District, Phase - 1- Package III to the lowest tenderer M/s. Laxmi Civil Engineering Services Pvt Ltd, 1148, E, Sykes Extension, Kolhapur - 416 001. (Maharashtra) at their quoted amount of Rs. 6,50,00,000/- which is at 1.58% below the tendered PAC of Rs. 6,60,45,742/- based on Revised SoR 2010.

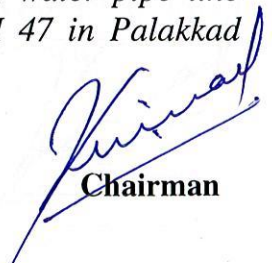
Item No. IV (17) Budget announcement by the Hon'ble Minister for finance - SAARK - Kannur Water Supply Improvements Package II - Renovation of WTP at Chavassery Paramba -Tender

Res. No. 9444 The Authority discussed the matter in detail. It is noted that there is very much delay in tendering the work. This is the 2nd tender call and a single tender. Considering the urgency the Authority resolved to award the work of "Renovation of Water Treatment Plant at Chavassery Paramba" for Budget announcement by the Hon'ble Minister for finance - SAARK - Kannur Water Supply Improvements Package II to the single tenderer Sri. Bino George, Vattakkara House, Chevayur Post, Kozhikode at his quoted amount of Rs.55,21,036/- which is at an overall excess of 18.99% above the tendered PAC of Rs.46,39,775/- based on Revised SoR 2010. (That is at the rate of 9.79% below the estimate PAC based on SoR 2012).

Item No. IV (18) NHAI- Permission issued in NH land for laying water pipe line from KM 182/770 to KM 197/790 (RHS) of NH 47 in Palakkad District - shifting request


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Res. No. 9445 Considering the request of NHAI to shift the water pipe line to facilitate four laning of the NH and the conditions of agreement executed between NHAI and KWA, it is resolved to accord administrative sanction for the work of shifting water pipe line from Km182/770 to Km 197/790(RHS) of NH 47 (Km 182/770-Malabar cements location to Km 197/790-Kinar Junction)for an amount of Rs. 194 lakhs and book the expenditure under the appropriate head. Details of the proposal sanctioned is as follows.

1. Vol.II Relaying DI/PVC/GI clear water pumping mains laid under Technology Mission schemes. Rs.122 Lakhs
2. Vol. III Relaying additional distribution lines laid under Technology Mission scheme Rs.72 lakhs

Item No. IV (19) NRWSS to Chengala, Muliya, Madhur and Mogral Puthur Panchayaths in Kasaragod Taluk in Kasaragod District, Phase - I, Package II - Supplying and Laying Testing & Commissioning of Clear Water Gravity Main between OH Reservoir at Bovikkanam and OH Reservoir at Chengala , Design Construction Testing & Commissioning of 24.40 lakh litres capacity OH Reservoir at Bovikkanam and Design Construction Testing & Commissioning of 5.50 lakh litres and 5.20 lakh litres capacity OH Reservoirs at Chengala- Tender

Res. No. 9446 The Authority discussed the matter in detail and resolved to award the work of "Supplying and Laying Testing & Commissioning of Clear Water Gravity Main between OH Reservoir at Bovikkanam and OH Reservoir at Chengala , Design Construction Testing & Commissioning of 24.40 lakh litres capacity OH Reservoir at Bovikkanam and Design Construction Testing & Commissioning of 5.50 lakh litres and 5.20 lakh litres capacity OH Reservoirs at Chengala" for NRWSS to Chengala, Muliya, Madhur and Mogral Puthur Panchayaths in Kasaragod Taluk in Kasaragod District, Phase - 1, PACKAGE II to the lowest tenderer M/s.Reena Engineers & Contractos Pvt Ltd, Goa JV with Laxmi Civil Engg Services Pvt Ltd ,Kolhapur at their quoted amount of Rs.8,71,05,308.8/- which is at an overall excess of 25.48% above the tendered PAC of Rs.6,94,20,366/- based on Revised SoR 2010. (That is at an overall excess of 3.90% above the estimate PAC of Rs.8,38,33,941/- based on SoR 2012.) The agreement executing authority shall ensure the authenticity of the experience certificate produced by the JV partner Laxmi Civil Engg Services Pvt Ltd,Kolhapur before awarding the work.


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Item No. V (1) JICA Assisted Kerala Water Supply Project –Cherthala Scheme – Package I – Laying of Raw Water Transmission Main – Restoration of road in Velloor Grama Panchayath

Res. No. 9447 The Authority discussed the agenda item in detail and resolved to **approve the proposal for remitting Rs. 28 lakhs for the rectification of damaged roads to Velloor Panchayath, as recommended by the High Level Technical Committee.**

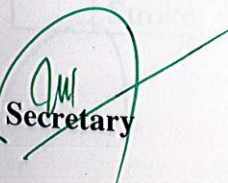
Item No. V (1) JICA Assisted Kerala Water Supply Project – Cherthala and adjoining villages – Package 4 – Service Reservoirs – Extension of Time of Completion

Res. No. 9448 The Authority discussed the agenda in detail and resolved to **approve the proposal for extension of time of completion of Package 4 works of Cherthala Scheme subject to the following conditions.**

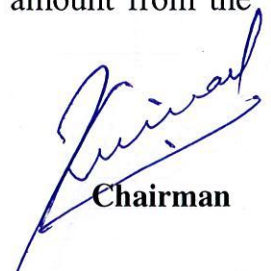
1. The price adjustment will be as per G.O. dated 25.09.2009 enhancing the ceiling from 10% to 20% prospectively beyond the original completion period. But the indices to be used after 31.12.2010 will be the lower of those prevailing as on 31.12.2010 or at the time of execution of work. In respect of Kanjikuzhy reservoir, however, the indices will be frozen as on June 2011, considering the delayed handing over, and time extension upto 30.06.2011 granted previously.
2. The contractor shall keep the required insurances and bank guarantees validated up to the expiry of Defect Liability Period without any extra cost to the Employer.
3. There shall not be any increase in the amounts agreed under 'General and Preliminaries' of the BoQ.
4. DLP shall be two years from 01.06.2012
5. There shall be a recovery of Rs. 5.38 lakhs for delay on the part of the contractor.
6. No further claims shall be entertained with respect to the contract, from M/s. EPIL

Item No. V (3) JICA Assisted Kerala Water Supply Project –Cherthala Scheme – Damages to houses during pipe laying works and pipe burst in Maravanthurathu Panchayath decision to PM – Compensation assessed – Informed to Authority

The Authority discussed the agenda item and noted the decision taken by the High Level Technical Committee to make payment of damages to houses as assessed by the committee constituted by the District Collector, Kottayam and to recover the amount from the contractor as noted below:


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- 1 Damages assessed on 22 complaints due to pipe laying Rs. 1,42,367/-
- 2 Damages assessed on 9 complaints due to pipe burst Rs. 30,000/-

Total**Rs. 1,72,367/-**

Item No. V (4) JICA Assisted Kerala Water Supply Project – Institutional Strengthening – Supply of Tools for Maintenance Division – Tender acceptance and Placing of Supply Order

Res. No. 9449 The Authority discussed the agenda item in detail and resolved to accept the lowest offers for Group A and Group B items of maintenance tool as follows, considering the recommendation of the HLTC.

1. **Group A:- Offer of M/s. Techpool Consultancy Service Pvt Ltd, Thiruvananthapuram @ Rs.22,48,650/- (11.02% excess over estimate amount)**
2. **Group B:- Offer of M/s. CTL Infocom Pvt Ltd, Cochin @ Rs. 21,60,825/- (12.59% excess over estimate amount)**

Annexure I**Group A Tender**

Sl. No.	Details of the Equipment	Qty	Make and Model	Unit rate before discount	Unit Rate after discount	Total Amount after discount
1	<p><u>Portable self Priming Pump</u> <u>Specifications:</u> Fuel: Petrol start, Kerosene Running Tank Capacity. 3.5 Ltr (Kerosene) 0.5 Ltr (Petrol) Discharge capable. 7500 LPM with 20 meters head Suction: 7 meters, Other features: low oil level engine protection, roll frame and rubber mounting feet.</p>	11	Greaves MK 20 Engine and GSP 80 B Pump	37,500	33,900	372900
2	<p><u>Portable single phase 3 KVA low noise, Clean and efficient power Generator with electric start</u> <u>Specifications:</u> Phase : Single Stroke: 4</p>	11	Honda EU30iS	1,04,800	103500	1138500



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	<p>Fuel: Petrol running with electric start Output: 230 V, 50Hz Rated Power: 3 KVA Minimum Features: Air colled, low noise portable power generator.</p>					
3	<p><u>Double phase Welding Machine (300 Amps) with welding cable (4sq.mm – 100 meter), Arching cable (20sq. mm – 20 meter), Welding holder (200 Amps) and face glass</u> Specifications: Supply Voltage: 380 – 440 VAC Phase: 2 Phase Frequency : 50Hz Current Range: 50-300 Open Circuit Volt: 70 VAC Insulation Class: H Switch Recommend: TP 60 AMP Type of Regulation: Stepless Max Welding Current @ 60% Duty Cycle: 300 Amps Accessories: (1) Welding Cable (4sq mm) – 100 mtr (2) Arching cable (20 sq.mm) – 20 mtr (3) Welding holder (4) Face protection glass – 1 (5) Eye protection glass – 1</p>	1	Manippal 300 Amps	37,200	36500	36500
4	<p><u>Single phase Welding Machine (150 Amps) with welding cable (4sq.mm – 100 meter), Arching cable (20sq. mm – 20 meter), Welding holder (200 Amps) and face glass</u> Specifications: Supply Voltage: 220 Voll AC Cooling – Natural Insulation Class: H Switch Recommend : SP 40 A Open Circuit Volt: 55 VAC Current Range: 4-200 Amps</p>	2	Manippal 200 Amps	19,600	19400	38800



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	Maximum Electrode size – 3.15 mm Weight – Less than 40 kg					
5	<u>3 Phase drilling machine – 2 HP</u> <u>Specifications:</u> Drilling Capacity in steel: 40 mm Tapping Capacity: M25 Morse taper in Spindle: MT4 Spindle Travels: 200 mm No. of Spindle speeds: 5 Range of Spindle speeds: 110-155-225-320-460 Feed: Auto / Hand No. of Spindle Feeds: 3 Range of Spindle speeds: 0.19-0.285-.95 Power Drive Motor: 2HP, 960 rpm, 400/440 V, Ac3 Phase, 50 Cycles	1	Manippal 2 HP drilling Machine or Equivalent	19,000	18500	18500
6	<u>Single phase Bench Grainder (1HP)</u> <u>Specifications:</u> Wheel Dia: 10” Min Speed: 2500 RPM Power: 1HP Shall have two grinding wheels at each end ball bearing fitted provided with wheel guards with exhaust outlets. Shall have adjustable tools tests and rotary switch Arbor Hole: 1” Face Wheel Dimensions: 1” Wheels Center – Center: 20” Dust Collection : Yes Exhaust Port: 2”	1	Manippal 1 HP or Equivalent	9,550	9250	9250
7	<u>Plate Compactor</u> <u>Specifications:</u> Compaction Capacity: 1-2 Tons Impact Force upto (Approax): 850 Kgs Vibration Frequency: 5100 P.M Depth Effect: 6 Inch Travel Speed: upto 65 FT.P/Min Gradient Capability: Upto 20%	14	Greaves Motor with Mounting System	45,850	45300	634200



Secretary



Managing Director



Chairman

Compacting plate Size: 550 mm x 445 mm x 300 mm Working area: 4300 sq Ft. P/H Director of Travel: Forward Fuel: Diesel					
TOTAL AMOUNT					2248650

Annexure II

Group B Tender

Sl. No	Name of Equipment	QTY	Make & Model	Unit rate before discount	Unit rate After discount	Total Amount after discount
1	<u>Angle Grinder with 180mm disc size</u> Specification: Disc Dia: 180mm Power Input: Less than 2500 watts No-Load Speed: Less than 9000 RPM Spindle Thread: M 14 ± 2 Weight: Less than 5.5 Kg	16	Hitachi G18S H2	9946	9900	158400
2	<u>Power Type Air Blower - 600 Watt or above</u> Specification: Rated Power: Not more than 900 W Air Volume: 4.5 m ³ / min (Minimum) Air Pressure: 0-8 KPa No load Speed: 0 - 16,000 rpm Weight: Less than 2.5 Kg Attachments: Dust Collector unit	1	Bosch GBL8 00E	9052	9025	9025
3	<u>Heavy Duty - Industrial purpose vaccum cleaner</u> Specification: Rated Power : Note more than 1250 Watts Container Vol. Gross, Net Water Content: 50 L, 43L Max Air Flow (at Blower): 61 L/Sec Max Vacuum (at Blower): 248	2	Bosch GAS 50	79423	79250	158500



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Managing Director



Chairman

	mbr Filter Use Category: BIA C (Polyester) Weight: Less than 20 Kg					
4	<u>Variable speed Hammering type Hand driller</u> Drilling dia in concrete: 4-28 mm Driling dia in Steel: 13 mm Driling dia in wood: 30 mm Core dia masonry: 68 mm Rated power input: 850 W Rated speed: 0 - 1300 rpm Impact rate at rated speed: 0 - 5100 bpm Impact energy: 0 - 3.2J Weight: Less than 3Kg	15	Bosch GBH - 2- 28DV	20202	20100	301500
5	<u>Demolition Hammer</u> <u>Specification:</u> Rated power input: 1050 W Max. impact energy: 7.1 J Impact rate at rated speed: 2800 bpm Weight: Not more than 5 kg Chiselling capacity in concrete of medium hardness: Not less than 180 kg/h	14	Bosch - GSH 388	33256	33200	464800
6	<u>Traffic cones with KWA Emblem and label (1 set - 12 nos)</u> Material : reinforced fibre with suitable weighted base Hight : 50 cm Colour : Fluorescent red colour with reflective white colored strips. - 3 Nos Each cone shall labelled (impression) with KWA emblem and name Shall be stackable one over the other	11 set		10079	10050	110550
7	<u>100 W Flood light with stand (1 set-2nos)</u> Rated Power: 100W (each light) Light Holder unit: Shall be water proof and suitable for outdoor use	11 set	Philip s	13774	13600	149600



Secretary



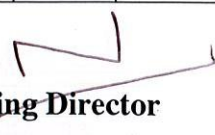
Managing Director



Chairman

	<p>Cable: Minimum 2m fixed to light/ stand with moulded plug and cable ties.</p> <p>Extension cable: 20m of power cable (3*4sq mm) with moulded plug and 3 nos socket all are suitable for outdoor use including in water logged area</p> <p>All plugs and sockets shall suitable for external use with proper shutters.</p> <p>Stand: Foldable, stainless steel tripod stands minimum 2m high</p> <p>Adjustment: shall be able to adjust the direction of light vertically and horizontally.</p>					
8	<p><u>2" wide Reflective Red colour plastic Caution Tape with KWA Emblem and label</u></p>	500 mtrs		168	165	82500
9	<p><u>Clamp on Ammeter</u></p> <p>Specifications:</p> <p>Measurements Functions: AC and DC current & voltages, Freequency, Resistance and Capacitance</p> <p>Range of Measurements:</p> <p>DC/AC Current Range : 0 - 400 Amps</p> <p>DC/AC Voltage Range: 400mV - 600Volt</p> <p>Resistance: 400 Ω to 40 MΩ</p> <p>Capacitances: 40 nF to 100 μF</p> <p>Frequency: 5 Hz to 150 KHZ</p> <p>Temperature: -10°C to 200°C</p> <p>Display: LCD display</p> <p>Shall have suitable clamp</p> <p>Probs for measurements</p> <p>Shall have auto OFF function</p>	15	Crafts man	10079	10050	150750
10	<p><u>Bench Vice 6"</u></p> <p>Steel Bench Vice - Fixed Base</p> <p>Body made from Hard Steel</p> <p>Hardened and knurled replaceable CARBON STEEL Jaws</p> <p>Chrome plated locking screws</p>	2	Herma n - HE 101	10079	9950	19900


Secretary


Managing Director


Chairman

11	<p><u>Electric socket Crimping tool 6 sq.mm to 125 sq.mm (Hand Type)</u> Crimping Tool material : 50# steel Thickness: 3 mm Hardness: 44-48 degree Surface: electrophoresis</p>	1		6719	6600	6600
12	<p><u>Electric socket Crimping tool 125 sq.mm to 400 mm (Hydraulic)</u> Shall have two hexagonal dies for applying compression fittings to cooper, aluminum conductors. Shall have 180° rotatable head. Shall include Crimping dies: 50, 70, 95, 120, 150, 185, 240, 300, 400 mm2 Crimping froce: 13T Crimping range: Cu 50-400 mm2 Stroke: 38 mm Oil Capacity: 200 cc</p>	1		41995	41500	41500
13	<p><u>Adjustable torque wrench</u> Chrome vanadium steel made Miled Knurled handel for easy grip Drive Size 1/2" Tool length 10" Torque Range (ft/lb) 25-250 Increments (ft/lb) 1.0</p>	2		5200	5100	10200
14	<p><u>GPS Navigator</u> General Specification: Display Size: 3.8 x 6.3 cm; 7.6 cm diagonal Touch Screen TFT Display Type Battery life: 16 hours Waterproof, High Sensitivity receiver Interface: USB Maps & Memory: Preloaded maps (for Kerala) Ability to add maps, Custom maps compatible Built in Memory and shall support Micro SD card for</p>	14	Orego n 550	35742	35500	497000


Secretary


Managing Director


Chairman

expansion Track log: 10,000 points, 200 saved location Feature and Benefits:- Electronic compass Barometric altimeter Camera: 3.2MPixel Geocaching-friendly Photo navigation(navigate to geotagged photos) Area Calculation Share data wirelessly with similar units Accessoreis: User manual, Software CD, Carry case, Power Adapter, Connecting cables						
TOTAL AMOUNT						2160825

Item No. VI (1) Proposal for Waiving of liabilities towards House Building Advance in respect of Sri.N.Madhu, Draftsman Grade-I who expired while working at P.H.Sub Division, Chavara, Kollam

Res. No. 9450 The Authority discussed the matter in detail and **resolved to write off the liability of ₹ 40950/- (Rupees Forty thousand nine hundred and fifty only) towards the interest repayment of House Building Advance in respect of late Sri. N. Madhu, Draftsman Grade I.**

Item No. VI (2) Constitution of DPC and action taken in this regard
Deferred

Item No. VI (3) Fixation of terms and conditions for deputation of Sri.N.Sivasankara Pillai, former Accounts Member of Kerala Water Authority

Res. No. 9451 The Authority discussed the matter in detail and **resolved to close the case with whatever benefit given to Sri. N. Sivasankara Pillai, former Accounts Member of Kerala Water Authority**

Item No. VI (4) Regularisation of service of Hand Receipt Hand/Daily wages – Judgment dated 06/02/2013 and 20/03/2013.

The Authority discussed the matter in detail and **decided for filing appeal against the judgment.**

Item No. VII (1) 14/03/2013-ൽ നടന്ന ജിക്ക - പട്ടുവം പദ്ധതിയുടെ ഉൽപ്പാടന ശോടനുബന്ധിച്ച് പത്രപരസ്യം നൽകിയ നടപടി സാധൂകരിക്കു നതു സംബന്ധിച്ച്.


Secretary


Managing Director


Chairman

Res. No. 9452 2013 മാർച്ച് 14-ാം തീയതി വ്യാഴാഴ്ച വൈകുന്നേരം 4.30 ന് നടന്ന കേരള വാട്ടർ അതോറിറ്റി - ജീക്ക സഹായത്തോടെ നടപ്പാക്കുന്ന പട്ടുവം ശുദ്ധജല വിതരണ പദ്ധതിയുടെ ഉദ്ഘാടനവുമായി ബന്ധപ്പെട്ട പ്രമുഖ ദിനപത്രങ്ങളിൽ അരപ്പുറം വലുപ്പമുള്ള ഡിസ്‌പ്ലേ പരസ്യം നൽകിയ നടപടി ശരിവെച്ചുകൊണ്ടും പരസ്യ തുക അനുവദിച്ചുകൊണ്ടും തീരുമാനമെടുത്തിരിക്കുന്നു.

Item No. VII (2) Request of M/s. K. Raheja Group of Companies for the Protection, beautification and development of a portion of Pipeline road situated at Edappally South Village of Kanayannur Taluk of Ernakulam District and request for tarring of the pipe line road in Ernakulam

Deferred

Item No. VII (3) The Kerala Water Supply and Sewerage (Amendment) Bill-2013

Res. No. 9453 The Authority discussed the agenda in detail and **resolved to accept the provisions of the Kerala Water supply and Sewerage Bill, 2013 and forward to Government for necessary action.**

Item No. VII (4) Proposal for implementing Solar Photo Voltaic Power Plants in reservoirs of KWA

Deferred

Item No. VII (5) Project Development Consultancy Unit – Concept Paper

Deferred

Item No. VII (6) Formation of WASCON – Concept paper – Financial and Administrative Powers of WASCON

Deferred

Item No. VII (7) Type Design for civil structures like OHSR, GLSR, intake well – approval

Res. No. 9454 The Authority discussed the matter in detail and **resolved to approve the type design prepared for OHSR, GLSR and intake well. These can be issued for estimate purpose on request. Also type design with slab water tanks to be prepared.**

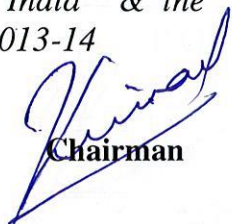
Item No. VII (8) Representation submitted by Fr. Joseph Kochuchirayil, Vicar, Lourdes Hill Church, Peroorkkada for parking vehicles in KWA land

Deferred

Item No. VII (9) Request for revision of rates of M/s. "Times of India" & the "Economic Times" – Dailies for the financial year 2013-14


Secretary


Managing Director


Chairman

The Authority discussed the matter in detail and decided to negotiate with the firm.

Item No. VII (10) Digital File flow system-Proposal from M/s. KELTRON for implementing Digital Document & Filing system(DDFS) in KWA

Res. No. 9455 The Authority discussed the matter in detail and resolved to accept the offer of M/s. **KELTRON** for implementing **Digital Documents and Filing System (DD & FF)** in Kerala Water Authority provided DMS customisation shall also be done in 6 months with no extra cost whatsoever.

Item No. VIII (1) NABARD – RIDF XVI – Replacement of obsolete pumps and motors in various water supply schemes under P.H. Division, Thiruvalla & P.H. Division, Kottayam - Supply, erection and commissioning of suitable HP CF pump sets 61 Nos. at different pump houses having capacity of 5 HP to 100 HP with all necessary accessories – Schedule Tender

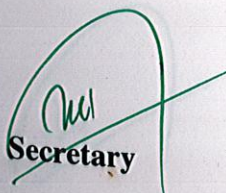
Item No. VIII (1) The Authority discussed the matter in detail. It is noted so many pumps are proposed in Kanjirappally where a new scheme is under execution. The Executive Engineer of Project Division, Kottayam, PH Division, Kottayam and Thiruvalla will sit together and take a decision whether all these pumps are required. For the time being the item is deferred.

Item No. VIII (2) CWSS to Panavoor, Pullampara and Vembayam Panchayaths – Supplying, laying and commissioning various sizes of Transmission cum distribution system in Zone II – Tender

Res. No. 9456 The Authority discussed the matter in detail and resolved to award the work of “**CWSS to Panavoor, Pullampara and Vembayam Panchayaths – Supplying, laying and commissioning various sizes of Transmission cum distribution system in Zone II**” to the lowest tenderer Sri. Radhakrishna Pillai, Devalayam, Thattamala, Kollam at his negotiated quoted amount of 231,71,321/- at an overall excess of 16.52% above tendered PAC of Rs. 198,86,326/- based on revised SoR 2010 and 8.46% above estimated PAC based on SoR 2012.

Item No. VIII (3) CARWSS to Madappally, Vakathanam and Karukachal Panchayat- Replacing of old 250 mm and 200mm AC pumping mains with 250mm/200mm DIK-9 pipes – LS Tender

Res. No. 9457 The Authority discussed the matter in detail and resolved to award the work of “**CARWSS to Madappally, Vakathanam and Karukachal Panchayat- Replacing of old 250 mm and 200mm AC pumping mains with 250mm/200mm DIK-9 pipes**” to Sri.Thomas K.Paul, Kottanathu, Kadayiruppu P.O,


Secretary


Managing Director


Chairman

Kolencherry at Rs 3,39,87,750/- which is 15.35% below TPAC of Rs 4,01,50,452/-.

Item No. VIII (4) Water Supply Scheme to Vakathanam Panchayat in Kottayam District – Design and construction of 12m inside dia well cum pump house and leading pipe works at Peroor in Meenachil river – LS Tender

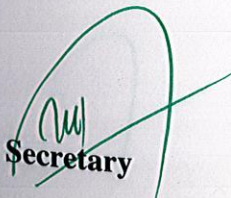
Res. No. 9458 The Authority discussed the matter in detail and resolved to award the work of “Water Supply Scheme to Vakathanam Panchayat in Kottayam District – Design and construction of 12m inside dia well cum pump house and leading pipe works at Peroor in Meenachil river” to Sri.Paulose Abraham, Njattumkalayil House, Kadayiruppu P.O, Kolencherry at Rs 3,80,00,000/- which is 2.42% below Tendered PAC of Rs 3,89,44,000/-.

Item No. VIII (5) RWSS to Nedumkunnam and Kangazha Panchayat- Replacing of old 200 mm AC pumping main and 250 mm AC gravity main with 200mm/250mm DIK-9 pipe – LS Tender

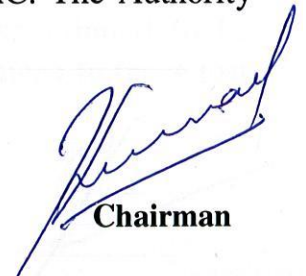
Res. No. 9459 The Authority discussed the matter in detail and resolved to award the work of “RWSS to Nedumkunnam and Kangazha Panchayat- Replacing of old 200 mm AC pumping main and 250 mm AC gravity main with 200mm/250mm DIK-9 pipe – LS Tender” to Sri.Thomas K.Paul, Kottanathu, Kadayiruppu P.O, Kolencherry at Rs 4,89,70,450/- which is 14.63% below TPAC of Rs 5,73,65,350/-. The Authority further resolved to award the work at his quoted amount subject to remittance of performance guarantee amount of Rs. 7,64,336/-.

Item No. IX (1) Non Revenue Water Management Unit – Desalination and Ultrafiltration Modular water treatment plant for water scarce areas – Ratification of tender Committee decision and revised Administrative Sanction

Res. No. 9460 The Authority discussed the matter in detail. It was observed that this unit is not a regular procurement of KWA. It was opined that water quality at each location has to be confirmed to substantiate the choice of technology. It is noted that this has not been done in this case. It was also noted that the estimate cost is Rs.5,00,00,000/- and the quoted rate is Rs. 8,76,08,706/-. The tender excess is 75.20% above the tendered PAC. The Authority after discussion resolved to cancel the tender.


Secretary


Managing Director


Chairman

Item No. IX (2) JICA Assisted Kerala Water Supply Project – Kozhikode city and adjoining Panchayaths – Construction of 2nd Phase 36 MLD additional Water Treatment Plant at Peruvannamuzhy

Res. No. 9461 The Authority discussed the agenda item and **resolved to approve the proposal for initiating negotiation with M/s. Degremont for construction of additional treatment plant of 36 mld (pulsators and filters) for Kozhikode scheme in view of the advantages cited in the Agenda Note and also to formulate the technical proposal through required surveys and designs with in one month.**

Item No. IX (3) Implementation of Water Management System-Proposal from M/s Keltron (joint venture with M/s IBM)

Deferred

Item No. IX (4) Re designation of the post of 'peon' in Kerala Water Authority Administrative, Ministerial and Last Grade Service Special Rules


Res. No. 9462 The Authority discussed the matter in detail and **resolved to re designation of the post of 'peon' included in category 2(k) of the Kerala Last Grade Service as Office Attendant.**

Item No. IX (5) Allegation against Sri.K.P.Krishnakumar former Chief Engineer(SR) releasing of NLC, Pensionary benefits, last pay and surrender of Earned Leave

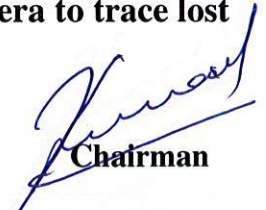
The Authority discussed the matter in detail. It is noted that Authority resolved to address Vigilance Director to expedite reply to communication No. KWA/JP/E6(A2)/11444/12 dated 28/12/2012. Also in light of G.O (P) No. 55/12/Vig dated 4/12/2012 Authority resolved to address to Government to finalize the disciplinary action against Sri. K. P Krishnakumar, former Chief Engineer (SR) as he has retired from service. Hence it is decided to withhold the monitory loss caused to the Authority from the pensionary benefit of Sri. K. P. Krishnakumar, former Chief Engineer (SR), KWA. In what circumstances infirmed tender was not detected at Technical Advisory Group/High Level Technical Committee/Managing Director level also to be enquired into.

Item No. IX (6) Non Revenue Water Management Unit – Leak Detection Pilot Project - SmartBall® and SAHARA™ Technologies – Mobilisation Amount - Status Report

Res. No. 9463 The Authority discussed the matter in detail. Under the special circumstances it has been **resolved to sanction the advance on request by the firm. Amount requested is sanctioned to be adjusted in final bill and cost of putting up camera to trace lost ball is approved as additional item.**


Secretary


Managing Director


Chairman

Item No. IX (7) Introduction of multilayer filter media with Anthracite at Chiranickal Water Treatment Plant of Adoor WSS – Expert Committee to study the Techno Economical aspects

Deferred

Item No. IX (8) Plan schemes for Trainings/Skill Development of executives and employees of SLPEs during the 12th five year plan

Deferred

Item No. IX (9) Kerala Water Authority - Training Centre – Recommendation of the Training Advisory Committee

Deferred

Item No. IX (10) Unauthorized absent from duty, Sri.S. Shaji, Peon, P.H. Sub Division, Perinthalmanna

Deferred

General Item I The Authority discussed the connection target for 2013-14 in detail. The target for Rural one is 2.95 lakhs and that for Urban is 1.00 lakhs. After a detailed discussion the following district wise target is fixed. The Chief Engineers, Superintending Engineers and Executive Engineers will sit together and fix the target for all Assistant Engineers.

Connection target for 2013-14

Districts	Urban Target Connection	Rural Target Connection
Kasargod	4249	12129
Kannur	22052	14950
Wayanad	538	9387
Kozhikkode	20021	22246
Malappuram	6478	41172
Palakkad	6483	2861
Thrissur	15264	26684
Ernakulam	26549	20358
Idukki	1047	13395
Kottayam	5451	20672
Alappuzha	11299	18596
Pathanamthitta	2251	13877
Kollam	8472	26490
Thiruvananthapuram	19846	26783
Total	150000	295000

Secretary

Managing Director

Chairman

It was decided to request PWD & LSGD to include road cutting permission for water connection in the Public Service Guarantee Act as following.

- NHAI/PWD road cutting permission in 15 days.
- Corporation/Municipality/Panchayat – 10 days

Guideline for simplification of forms/procedure may be issued in 7 days by the Managing Director.

General Item II
Res. No. 9464

The Authority had a serious discussion on the running contractor's demand. After a detailed discussion it is **resolved that**

1. **The present contract period is extended up to June 30th on pro-rata basis.**
2. **The 30% Bank Guarantee is replaced with 5% security and 10% indemnity bond.**
3. **The proposed e-tendering system shall not be disturbed. However in order to help the running contractor get familiar with the system option of downloading the tender with requisite EMD shall be accepted provided it is send by the bidder through speed post/registered post two days before actual date of closing of tender. In no circumstances the tender received directly in Office will be considered. This relaxation will be applicable for one year only. The bidder can use any of the above two options.**


Secretary


Managing Director


Chairman