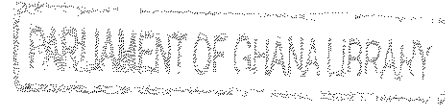
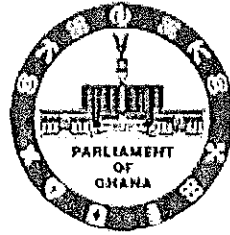


**IN THE SECOND SESSION OF THE EIGHTH PARLIAMENT OF THE
FOURTH REPUBLIC OF GHANA**



**REPORT OF THE FINANCE COMMITTEE ON THE
REQUEST FOR WAIVER OF IMPORT DUTY, IMPORT
VAT, IMPORT NHIL, IMPORT GETFUND LEVY, EXIM
LEVY, COVID-19 LEVY AND SPECIAL IMPORT LEVY
AMOUNTING TO THE GHANA CEDI EQUIVALENT OF
SIXTEEN MILLION, THREE HUNDRED AND TWENTY-
THREE THOUSAND, THREE HUNDRED AND EIGHTY-TWO
EUROS (€16,323,382.00) ON MATERIALS AND
EQUIPMENT REQUIRED FOR THE IMPLEMENTATION
OF THE SEKONDI-TAKORADI WATER SUPPLY
REHABILITATION AND EXPANSION PROJECT
(PHASE 1) BY MESSRS STRABAG AG OF AUSTRIA**

1.0. INTRODUCTION

The request for waiver of Import Duty, Import VAT, Import NHIL, Import GETFund Levy, EXIM Levy, COVID-19 Levy and Special Import Levy amounting to the Ghana Cedi equivalent of *Sixteen Million, Three Hundred and Twenty-Three Thousand, Three Hundred and Eighty-Two Euros (€16,323,382.00)* on materials and equipment required for the implementation of the **Sekondi-Takoradi Water Supply Rehabilitation and Expansion Project (Phase 1)** by Messrs **STRABAG AG of Austria** was *resented* to the House on Wednesday 16th November 2022 by the Hon. Deputy Minister for

Finance, Mrs. Abena Osei-Asare on behalf of the Minister responsible for Finance.

Pursuant to Order 169 of the Standing Orders of the House, the request was *referred* to the Finance Committee for consideration and report.

The Committee subsequently met and considered the request with a Deputy Minister for Finance, Hon. John Ampontuah Kumah and a team of officials from the Ministries of Finance and Sanitation and Water Resources, the Ghana Water Company Limited (GWCL) and the Ghana Revenue Authority (GRA).

The Committee hereby presents this report to the House pursuant to order 161(1) of the Standing Orders of the House.

2.0. REFERENCES

The Committee referred to and was guided by the following documents *inter alia* during its deliberations on the Agreements:

- The 1992 Constitution of the Republic of Ghana
- The Standing Orders of the Parliament of Ghana
- The Public Financial Management Act, 2016 (Act 921)
- Revenue Administration Act, 2016 (Act 915)

3.0. BACKGROUND

Sekondi-Takoradi is the administrative and Regional capital of the Western Region of the Republic of Ghana. The existing Sekondi-Takoradi Water Supply System supplies water to the twin cities and their surrounding towns and villages. The existing Inchaban and Daboase water treatment plants which serve Sekondi-Takoradi and their surrounding areas were built in 1928 and 1969 respectively. The existing water supply systems are based on surface water from the Anakwari River and the Pra River.

The installed capacity of the two plants is 45,000m³/day but the current production is estimated at 30,000m³/day. The quantity of water currently produced is thus far from meeting the current demand of 100,000m³/day.

The Sekondi-Takoradi Metropolitan Area has witnessed one of the most dramatic growth rates in the country, increasing from about 372,391 inhabitants in the year 2000 to 559,548 in 2010 (GSS, 2010); a trend which appears likely to hold as the city continues to discover greater potential for socio-economic growth.

The rapid rate of socio-economic transformation in these two cities and their surrounding communities has, however, not been matched by the delivery of water supply and other basic services, thereby threatening the health and sustainable growth of the supply area.

It is against this backdrop and in keeping with the Country's drive towards the achievement of the Sustainable Development Goal of providing water for all that the need for the immediate expansion of the existing water supply system has become even more compelling.

Hon Members would recall that Parliament, at the Ninth Sitting of the Third Meeting held on Tuesday, 20th October, 2020 approved by resolution:

- The Commercial Agreement between the Government of Ghana (represented by the Ministry of Sanitation and Water Resources/Ghana Water Company Limited and Messrs. STRABAG AG of Austria for an amount of Seventy Million Euros (€70,000,000.00) for the implementation of the First Phase of the Sekondi-Takoradi Water Supply Rehabilitation and Expansion Project;
- The OeKB- Backed Facility Agreement between the Government of Ghana acting through the Ministry of Finance and Commerzbank AG, for an amount of Seventy-Million, Seven Hundred and Thirty-Three Thousand, Four Hundred and Twenty-Three Euros ((€70,733,423.00) to finance the First Phase of the Sekondi-Takoradi Water Supply Rehabilitation and Expansion Project; and
- The tied Commercial Loan Facility Agreement between the Government of Ghana acting through the Ministry of Finance and Commerzbank AG for an amount of Ten Million, Five Hundred Thousand Euros (€10,500,000.00) to finance

the First Phase of the Sekondi-Takoradi Water Supply Rehabilitation and Expansion Project.

4.0. PROJECT OBJECTIVE

The main objective of the project is to ensure that safe and potable water is supplied to the twin city of Sekondi and Takoradi and its surrounding villages and communities.

5.0. TOTAL WAIVER REQUESTED

The total amount of taxes and duties for which waiver is being sought is the Ghana Cedi Equivalent of ***Sixteen Million, Three Hundred and Twenty-Three Thousand, Three Hundred and Eighty-Two Euros (€16,323,382.00)***

6.0. PROJECT DESCRIPTION AND SCOPE

The scope of activities/works of the project includes but not limited to the following:

- Construction of a river bottom ramp (overflow weir) on the Pra river in order to prevent seawater intrusion and to ensure an all-year round water supply for the new water treatment plant;
- Construction of a new intake structure for 230,000m³/day;
- Construction of 600m of DN 1200MM DI Raw Water pipeline;
- Raw water pumping station (Low Lift Pumping Station) for 230,000m³/day;

- Construction of a new 100,000m³/day conventional Water Treatment Plant complete with SCADA system for the remote operation of the plant;
- Provision of ancillary structures of the New Water Treatment Plant,
- Transmission pipeline improvement works; and
- Supply and installation of 25km of distribution pipelines.

7.0. OBSERVATIONS

7.1. Water for All Agenda

The Committee was informed that the project solution meets the new policy direction of the Ministry of Sanitation and Water Resources and incorporates all the tenets of the National Water Policy of the Ministry whilst meeting the **“Water for All”** Agenda of the Government of Ghana. The project will also improve the living conditions of the Ghanaian people as well as help to achieve the goal of MSWR’S Water Sector Strategic Development Plan, which is “Sustainable Water and Basic Sanitation for All by the Year 2025”.

7.2. Benefits of the Project

Benefits expected to accrue from the project include:

- Maximisation of social and health benefit such as safe, affordable and reliable water supply, improvement in school attendance and reduction in water borne diseases.

- Improved level of service by increasing coverage in the beneficiary communities.
- Growth in productivity of the inhabitants leading to economic development and poverty reduction.
- Boost to business and trade, mainly within the SME, manufacturing and Rural Enterprises sector as espoused in the One-District-One-Factory industrial policy of Government.

7.3. Beneficiary Communities

On completion of the project, potable water will be supplied to communities like Takoradi, Effiakuma, Kwesiminstim, Kojokrom, West Tanokrom, Anaji, Sekondi, New Takoradi, Essikado, Aprembo, Kweikuma, Ntankoful, Ngyiresia, East Tanokrom, Effia Village, Fijai, Assakai, Adiembra, Kansaworado, Nkroful, Aboadze, Abusei, Apowa, Inchaban, Ketan, Dixcove Estates, Shama, Hwendo, Hotopo and surrounding villages.

7.4. Justification for the Waiver

The Committee noted that Clause 14.1 of the Particular Conditions of Contract (PCC) of the Commercial Contract between the Ghana Water Company Limited and STRABAG AG of Austria, the Contract Price is exclusive of taxes and duties with the exception of port clearing and handling charges that have been included in the contract price.

Flowing from the above, the Government of Ghana is required to bear the component of the project financing cost covering

taxes, duties, fees and other applicable fiscal levies which may be imposed in the Republic of Ghana with respect to the importation of materials and equipment and the procurement of goods and services locally for the execution of the project, hence the justification for the request for tax and duty exemption on the core project related materials and equipment.

The timely waiver of the relevant taxes and duties is thus necessary to ensure the smooth implementation of the project.

7.5. Downward Revision of the amount to be waived

The Committee noted that the amount of taxes and duties requested to be waived include COVID-19 Levy. The Committee however considered that in the light of the new tax exemptions regime, the levy should not be included in the waiver.

The Committee therefore agreed with the Ministry of Finance to reduce the waiver amount to the **Ghana Cedi equivalent of Fifteen Million, Seven Hundred and Sixty-Four Thousand, Six Hundred and Fifty-Two Euros (€15,764,652)** and to recommend this reduced amount to the House for approval.

ATTACHMENT: Please find attached as APPENDIX the details of the revised taxes and duties to be waived as assessed by the Ghana Revenue Authority (GRA).

8.0. CONCLUSION

Considering the immense health and other socio-economic benefits to be derived from the Project, the Committee respectfully recommends to the House to adopt this report and

approve by resolution, the **request for waiver of Import Duty, Import VAT, Import NHIL, Import GETFund Levy, EXIM Levy and Special Import Levy** amounting to the Ghana Cedi equivalent of **Fifteen Million, Seven Hundred and Sixty-Four Thousand, Six Hundred and Fifty-Two Euros (€15,764,652)** on materials and equipment required for the implementation of the **Sekondi-Takoradi Water Supply Rehabilitation and Expansion Project (Phase 1)** by Messrs **STRABAG AG of Austria** in accordance with article 174(2) of the 1992 Constitution of the Republic of Ghana.

Respectfully submitted.



.....
HON. KWAKU KWARTENG
(CHAIRMAN, FINANCE COMMITTEE)



.....
MRS. JOANA A.S. ADJEI
(CLERK, FINANCE COMMITTEE)

29TH NOVEMBER, 2022.



TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
1	Reinforcement	to	2,438	3,778,478	20%	755696	226709	595110	28339	75570	1,681,423
2	Geotextiles	m2	15,063	70,797	20%	14159	4248	11151	531	1416	31,505
3	Steel structures	LS	1	6,250	20%	1250	375	984	47	125	2,781
4	Crane beam, rail	set	10	160,000	20%	32000	9600	25200	1200	3200	71,200
5	Beams	kg	1,425,600	3,421,440	20%	684288	205286	538877	25661	68429	1,522,541
6	Roof Panels	m2	7,553	596,687	20%	119337	35801	93978	4475	11934	265,526
7	Wall Panels	m2	5,339	421,781	20%	84356	25307	66431	3163	8436	187,693
8	Platforms	m2	725	94,250	20%	18850	5655	14844	707	1885	41,941
9	Gratings	m2	1,194	71,640	20%	14328	4298	11283	537	1433	31,880
10	Railings	m	2,199	186,915	20%	37383	11215	29439	1402	3738	83,177
11	Stairways	m2	142	18,460	20%	3692	1108	2907	138	369	8,215
12	Ladder	m	307	19,955	20%	3991	1197	3143	150	399	8,880
13	Steel Plates	m2	172	25,800	20%	5160	1548	4064	194	516	11,481
14	Covers	m2	62	4,960	20%	992	298	781	37	99	2,207
15	Ventilatin Grill	m2	73	194,910	20%	38982	11695	30698	1462	3898	86,735
16	Small parts	kg	34,125	69,956	20%	13991	4197	11018	525	1399	31,130
17	Cover Aluminum	m2	7	2,765	20%	553	166	435	21	55	1,230
18	Steel Supports and accessories	LS	1	431,739	20%	86348	25904	67999	3238	8635	192,124
19	Drainage pipes	LS	1	59,000	20%	11800	3540	9293	443	1180	26,255
20	Gully, gutters	pcs	87	19,227	20%	3845	1154	3028	144	385	8,556
21	Rigol	m	210	42,000	20%	8400	2520	6615	315	840	18,690
22	Fence	m	2,800	33,600	20%	6720	2016	5292	252	672	14,952
23	Air conditioning units	set	20	80,000	20%	16000	4800	12600	600	1600	35,600
24	Sheet piling (retail wall)	m2	993	248,300	20%	49660	14898	39107	1862	4966	110,494
25	Operator's building equipment and service facilities	LS	1	138,944	20%	27789	8337	21884	1042	2779	61,830
26	Gate automatic	Set	1	8,000	20%	1600	480	1260	60	160	3,560
27											
28	Carbon Steel										
29	Carbon Steel Pipe	m	699	2,243,103	5%	112155	117763	309128	16823	44862	600,731
30	Set of Connection parts, bends, flanges, reducers, T-pieces			1,434,348	20%	286870	86061	225910	10758	28687	638,285
31	Elbows	pc	77	335,335	20%	67067	20120	52815	2515	6707	149,224
32	Reduction	pc	40	111,760	20%	22352	6706	17602	838	2235	49,733
33	T-piece	pc	10	37,260	20%	7452	2236	5868	279	745	16,581
34	Flanges	pc	149	260,750	20%	52150	15645	41068	1956	5215	116,034

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhili/Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
35	Fasteners	set	1	31,825	20%	6365	1910	5012	239	637	14,162
36	Gaskets	set	1	31,825	20%	6365	1910	5012	239	637	14,162
37	HDPE										
38	HDPE Pipe	m	4,732	927,472	20%	185494	55648	146077	6956	18549	412,725
39	Set of Connection parts; bends flanges, reducers, T-pieces										
40	Elbows	pc	84	52,416	20%	10483	3145	8256	393	1048	23,325
41	Reduction	pc	42	19,656	20%	3931	1179	3096	147	393	8,747
42	T-piece	pc	66	32,736	20%	6547	1964	5156	246	655	14,568
43	Flanges	pc	86	26,230	20%	5246	1574	4131	197	525	11,672
44	Fasteners	set	1	15,956	20%	3191	957	2513	120	319	7,100
45	Gaskets	set	1	15,956	20%	3191	957	2513	120	319	7,100
46	Stainless Steel										
47	Stainless Steel Pipe	m	683	937,076	20%	187415	56225	147589	7028	18742	416,999
48	Set of Connection parts; bends flanges, reducers, T-pieces										
49	Elbows	pc	120	241,800	20%	48360	14508	38084	1814	4836	107,601
50	Reduction	pc	10	12,720	20%	2544	763	2003	95	254	5,660
51	T-piece	pc	22	21,208	20%	4242	1272	3340	159	424	9,438
52	Flanges	pc	149	148,404	20%	29681	8904	23374	1113	2968	66,040
53	Fasteners	set	1	13,843	20%	2769	831	2180	104	277	6,160
54	Gaskets	set	1	13,843	20%	2769	831	2180	104	277	6,160
55	UPVC										
56	UPVC pipe	m	186	43,710	20%	8742	2623	6884	328	874	19,451
57	Set of Connection parts; bends flanges, reducers, T-pieces										
58	Elbows	pc	140	3,780	20%	756	227	595	28	76	1,682
59	Reduction	pc	98	1,568	20%	314	94	247	12	31	698
60	T-piece	pc	104	3,224	20%	645	193	508	24	64	1,435
61	Flanges	pc	112	2,128	20%	426	128	335	16	43	947
62	Fasteners	set	1	507	20%	101	30	80	4	10	226
63	Gaskets	set	1	507	20%	101	30	80	4	10	226
64	Ductile Iron										
65	Ductile Iron pipe	m	690	524,400	20%	104880	31464	82593	3933	10488	233,358
66	Set of Connection parts; bends flanges, reducers, T-pieces										
67	Elbows	pc	4	23,132	20%	4626	1388	3643	173	463	10,294
68	Flanges	pc	1	4,800	20%	960	288	756	36	96	2,136

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	GIF (EURO)	I/D Rate	Imp. Duty	Nhit/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
69	Fasteners	set	1	250	20%	50	15	39	2	5	111
70	Gaskets	set	1	250	20%	50	15	39	2	5	111
71	Establishment of Contractor's camp and temporary infrastructure										
72	Containers	pcs	24	192,000	20%	38400	11520	30240	1440	3840	85,440
73	Diesel Generator Unit, fully equipped	set	2	36,000	5%	1800	1890	4961	270	0	8,921
74	General equipment for Execution of Works at site										
75	Flatbed truck with HIAB type folding crane (Outreach 3.7m lifting capacity 10 tonne) fully equipped, incl. spare and wear parts	pcs	2	320,000	5%	16000	16800	44100	2400	6400	85,700
76	JCB 3CX units with backhoe, fully equipped incl. spare and wearparts	pcs	3	360,000	5%	18000	0	0	2700	0	20,700
77	Thrust boring machine for pipes up to 400mm, complete unit, fully equipped incl. spare and wearparts	pcs	2	220,000	5%	11000	0	0	1650	0	12,650
78	Industrial floor mounted pillar drill with up to 35mm diameter, fully equipped incl. spare and wearparts	pcs	4	56,000	5%	2800	2940	7718	420	0	13,878
79	HDPE welding machine suitable for pipes up to 315 mm diameter complete with generator unit, fully equipped incl. spare and wearparts	pcs	2	16,000	5%	800	0	0	120	0	920
80	Pipe cutting machine: unit for HDPE pipes up to 300mm, fully equipped including spare and wearparts	pcs	2	14,000	5%	700	0	0	105	0	805
81	60 KVA standby generator units, fully equipped, incl. spare and wearparts	pcs	4	80,000	5%	4000	0	0	600	0	4,600
82	Tapping machine unit for steel, Ductile Iron and HDPE up to 300mm, fully equipped incl. spare and wearparts	pcs	2	5,600	5%	280	0	0	42	0	322
83	Steel bending machine for reinforcement, complete unit, fully equipped incl. spare and wearparts	set	2	90,000	5%	4500	0	0	675	0	5,175
84	Demobilization of Contractor's personal, plants and equipments										
85	Specific Tools for demolition and dismantling	LS	1	45,000	5%	2250	2363	6202	338	900	12,052
86	Site Laboratory										
87	Hydraulic powered 2000 KN concrete cube crushing machine	pcs	1	60,000	5%	3000	0	0	450	1200	4,650
88	Full set of metric fine and coarse aggregate sieves complete with a matching electric vibrator	pcs	1	1,500	5%	75	79	207	11	30	402

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhili/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
89	Concrete thermometers	pcs	3	180	5%	9	9	25	1	4	48
90	Balance weighing up to 7kg and accurate to 0.01g complete with a set of weights	pcs	1	6,000	5%	300	315	827	45	120	1,607
91	Scales weighing up to 220kg and accurate to 1g to complete with a set of weights	pcs	1	7,000	5%	350	368	965	53	140	1,875
92	Apparatus (with consumables and spares) for the measurement of the moisture content of aggregates	pcs	1	2,500	5%	125	131	345	19	50	670
93	Slump cones with tampers	pcs	2	1,600	5%	80	84	221	12	32	429
94	Compaction factor apparatus to BS1881	pcs	1	800	5%	40	42	110	6	16	214
95	Reinforcement cover meter	pcs	1	2,500	5%	125	131	345	19	50	670
96	BS1377 heavy compaction test equipment	pcs	1	600	5%	30	32	83	5	12	161
97	Apparatus for sand-replacement method of field density determination	pcs	1	800	5%	40	42	110	6	16	214
98	Liquid limit device and tools to BS1377, complete set, fully equipped	pcs	1	800	5%	40	42	110	6	16	214
99	CBR dual purpose, field and laboratory apparatus complete with dial gauges, proving ring and vehicle mounting bracket	pcs	1	1,200	5%	60	63	165	9	24	321
100	Schmidt hammer (digital)	pcs	1	800	5%	40	42	110	6	16	214
101	Set of 36, cast steel, 150mm concrete cube moulds with base plates and 2 tampers	pcs	1	600	20%	120	36	95	5	12	267
102	One set of sieves for sieve analysis of aggregate and sand	pcs	1	400	20%	80	24	63	3	8	178
103	Report forms, etc. as directed	pcs	1	200	5%	10	11	28	2	4	54
104	Concrete cube curing tanks	pcs	1	200	5%	10	11	28	2	4	54
105	Shelved cupboards and aluminium trays 200mm x 50mm deep	pcs	1	600	5%	30	32	83	5	12	161
106	Equipment for Facilities: Tables, chairs, worktops, shovels, brushes, water and drainage, etc.										
107	Potable water and drainage equipment	set	4	920	5%	46	48	127	7	18	246
108	Digital tachometer	pcs	1	500	5%	25	26	69	4	10	134
109	Vibration meter	pcs	1	16,000	5%	800	840	2205	120	320	4,285
110	Earth resistance megger	pcs	1	2,500	5%	125	131	345	19	50	670
111	Facilities & Equipment for Engineer's and Employer's staff										
112	Vehicles and Other Equipment										
113	Dredger complete unit with all ancillaries, fully equipped	LS	1	1,500,000	5%	75000	78750	206719	11250	30000	401,719
114	Mechanical Equipment & Installation										

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	Clf (EURO)	I/D Rate	Imp. Duty	Nhil/Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
115	RIVER WATER INTAKE										
116	Mechanical Equipment										
117	Bar Screen / vertical installation / manually operated	set	2	191,687	5%	9584	10064	26417	1436	0	47,502
118	Fine screen / motorized	set	2	480,465	5%	24023	25224	66214	3603	0	119,065
119	Sluice gate-1-2 / Inlet Coarse Screen	pc	2	38,957	5%	1948	2045	5369	292	0	9,654
120	Sluice gate-3-4 / Inlet-Fine Screen channel	pc	2	38,957	5%	1948	2045	5369	292	0	9,654
121	Sluice gate-5-6 / Outlet-Fine Screen channel	pc	2	38,957	5%	1948	2045	5369	292	0	9,654
122	Screenings discharge - conveyor / horizontal	pc	1	58,435	5%	2922	3068	8053	438	0	14,481
123	Drainage pump / Screen channel-1-2	set	2	4,847	5%	242	254	668	36	0	1,201
124	Flushing pump / Screen channels	set	2	12,213	5%	611	641	1683	92	0	3,027
125	Sample water pump - clear water tank	set	1	4,848	5%	242	255	668	36	0	1,201
126	Valves										
127	Gate valves flushing connection	set	2	584	10%	58	32	84	4	0	179
128	Non-return valves	set	2	1,359	10%	136	75	196	10	0	417
129	Butterfly valves	set	2	2,717	10%	272	149	392	20	0	834
130	Pipeworks, incl. bends, reducing, couplings, flanges										
131	Set of pipes & fittings - flushing system	set	1	8,724	20%	1745	523	1374	65	174	3,882
132	Set of pipes & fittings - drainage	set	1	5,234	20%	1047	314	824	39	105	2,329
133	Miscellaneous										
134	Screenings Container	pc	2	6,979	20%	1396	419	1099	52	0	2,966
135	Lifting device for submersible pumps	set	1	3,104	5%	155	163	428	23	0	769
136	Quever for Lifting device - Drainage pumps	pc	2	6,208	5%	310	326	856	47	0	1,538
137	Quever for Lifting device - Flushing pumps	pc	1	1,843	5%	92	97	254	14	0	457
138	RIVER WATER PUMPING STATION										
139	Mechanical Equipment										
140	River water lift pump	pc	3	757,616	5%	37881	39775	104409	5682	0	187,747
141	Surge Protection unit, incl. mounting devices and supports, fully equipped	set	1	406,718	5%	20336	21353	56051	3050	0	100,790
142	Valves										
143	Check valve - discharge side - River Water Lift Pumps	pc	3	170,661	10%	17066	9386	24639	1280	0	52,372
144	Butterfly valve / motorised-discharge side-River Water Lift Pumps	pc	3	77,922	10%	7792	4286	11250	584	0	23,912
145	Air release valve - discharge side - River Water Lift Pumps	pc	3	4,369	10%	437	240	631	33	0	1,341
146	Gate valve - air release - River Water Lift Pumps	pc	3	875	10%	88	48	126	7	0	269

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	Clf (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
147	Ball valve - pressure indicator / transmitter - River Water Lift Pumps	pc	6	1,753	10%	175	96	253	13	0	538
148	Pipeworks, incl. bends, reducing, couplings, flanges										
149	see summarysheet of IMPORTED goods for Piping										
150	Miscellaneous										
151	Overhead traveling crane	set	1	43,707	5%	2185	0	0	328	0	2,513
152	Pipe coupling / Raw water lifting pumps - discharge side	set	3	25,584	5%	1279	1343	3526	192	0	6,340
153	Dismantling joint / River Water Lift Pumps - discharge side	set	3	12,211	5%	611	641	1683	92	0	3,026
154	Ventilation equipment	set	6	9,889	5%	494	519	1363	74	0	2,451
155	IN-PLANT INTERCONNECTING PIPING										
156	Piping material & fittings										
157	Valves										
158	Butterfly valve / manually - Maintenance	pc	2	133,732	10%	13373	7355	19308	1003	0	41,039
159	Butterfly valve / manually - Maintenance - Surge protection	pc	1	9,110	10%	911	501	1315	68	0	2,796
160	Butterfly valve / manually - Maintenance	pc	2	72,488	10%	7249	3987	10465	544	0	22,245
161	Gate valve - Transmission main - Drain	pc	5	5,337	10%	534	294	771	40	0	1,638
162	Pressure Relief valve - Transmission main	pc	1	20,547	10%	2055	1130	2966	154	0	6,305
163	Air release valve - Transmission main	pc	1	2,135	10%	214	117	308	16	0	655
164	Gate valve - Transmission main	pc	1	1,454	10%	145	80	210	11	0	446
165	Ball valve - Sampling	pc	1	293	10%	29	16	42	2	0	90
166	Miscellaneous										
167	Dismantling joint / Pressure Header	pc	2	47,877	5%	2394	2514	6598	359	0	11,865
168	Dismantling joint / Pressure Header	pc	1	9,403	5%	470	494	1296	71	0	2,330
169	Dismantling joint / Pressure Header	pc	2	37,603	5%	1880	1974	5182	282	0	9,318
170	Dismantling joint / Pressure Header	pc	1	5,137	5%	257	270	708	39	0	1,273
171	Electrical Equipment & Installation										
172	Low voltage distribution board including low voltage incoming switchgears and distribution feeders										
173	Low voltage panels	set	13	322,211	5%	16111	16916	44405	2417	0	79,848
174	Cable double floor construction elements, modular, for MCC	LS	1	30,239	5%	1512	1588	4167	227	0	7,494
175	Frequency Converter Switchgear	set	3	234,987	5%	11749	12337	32384	1762	0	58,233
176	Power factor compensation unit	set	1	2,417	5%	121	127	333	18	0	599

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
177	Local control panels, incl. mounting devices and supports	set	1	19,126	5%	956	1004	2636	143	0	4,740
178	Instrumentation fully equipped, incl. mounting devices, supports, holders, clamps, weather proofing, sensor cables, calibration tools										
179	Level Sensor + Transmitter / level upstream screens	pc	2.00	7,850	5%	393	412	1082	59	0	1,945
180	Level Sensor + Transmitter / level downstream screens	pc	2.00	7,850	5%	393	412	1082	59	0	1,945
181	Analytic instrument / PH measurement	pc	1.00	5,856	5%	293	307	807	44	0	1,451
182	Analytic instrument / turbidity measurement	pc	1.00	7,741	5%	387	406	1067	58	0	1,918
183	Sampler / sampler	pc	1.00	11,281	5%	564	592	1555	85	0	2,796
184	Analytic instrument / conductivity measurement	pc	1.00	7,710	5%	386	405	1063	58	0	1,911
185	Level Indicator / level wet chamber intake	pc	1.00	3,925	5%	196	206	541	29	0	973
186	Level switch / level wet chamber intake	pc	1.00	495	5%	25	26	68	4	0	123
187	Pressure gauge / pressure side pumps	pc	3.00	4,866	5%	243	255	671	36	0	1,206
188	Pressure Indicator + Transmitter, pumps / pressure side pumps	pc	3.00	6,025	5%	301	316	830	45	0	1,493
189	Pressure Indicator + Transmitter, common header / common header pumps	pc	1.00	2,008	5%	100	105	277	15	0	498
190	Flow measurement unit / raw water flow	pc	1.00	50,988	5%	2549	2677	7027	382	0	12,635
191	Building services - low voltage electrical installation material										
192	Lighting	LS	1	45,514	20%	9103	2731	7168	341	0	19,343
193	Power Stations (Power outlets)	set	4	3,446	5%	172	181	475	26	0	854
194	Fire detection equipment	set	1	8,616	5%	431	452	1187	65	0	2,135
195	CO2 Fire Extinguisher	set	6	2,378	5%	119	125	328	18	0	589
196	VOIP Phone System	set	2	689	5%	34	36	95	5	0	171
197	Switches, Sockets	pcs	50	600	20%	120	36	95	5	0	255
198	CCTV system	set	1	3,191	5%	160	168	440	24	0	791
199	Diesel generator incl. automatic control, starter, connections, hut/cover, fully equipped	set	1	34,486	5%	1724	1811	4753	259	0	8,546
200	Grounding Installation with Steel Strip and clamps	set	1	19,030	20%	3806	1142	2997	143	0	8,088
201	Lightning Protection System	set	1	13,912	20%	2782	835	2191	104	0	5,913
202	Cables, including cable glands, cable shoes, junction boxes										
203	LV Cables for electrical installation	m	1,000	1,770	20%	354	106	279	13	0	752

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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204	Cable glands, cable shoes	LS	1	30,000	20%	6000	1800	4725	225	0	12,750
205	Junction boxes	LS	1	15,000	10%	1500	825	2166	113	0	4,603
206	Insulation, cable tape, cable covers	LS	1	139,088	20%	27818	8345	21906	1043	0	59,112
207	Cable trays and supports	LS	1	37,868	20%	7574	2272	5964	284	0	16,094
208	Civil Works, Pipe Laying										
209	Ductile iron pipe incl. transport, installation, washing, disinfection and testing: DN 1200, C25 Raw water Pipeline.										
210	Pipe supports, mounting devices and fastening parts	LS	1	30,000	20%	6000	1800	4725	225	600	13,350
211	Washout Valve Chamber Assembly complete with fitting supply, transport, installation DN 1200										
212	Washout Chamber Assembly complete with fitting supply DN 1200	set	1	55,003	20%	11001	3300	8663	413	0	23,376
213	Washout Chamber valves, inc. mounting devices and supports.	LS	1	5,400	10%	540	297	780	41	0	1,657
214	Air Valve Chamber Assembly complete with fitting supply										
215	Air Valve Assembly complete with fitting supply	set	1	22,820	10%	2282	1255	3295	171	0	7,003
216	Washout Chamber valves, inc. mounting devices and supports	LS	1	1,800	10%	180	99	260	14	0	552
217	River and Road Crossing supply, transport and installation incl pipe, elbows, air release valve and all mounting support and mounting equipment										
218	gate valve	pc	2	1,600	10%	160	88	231	12	0	491
219	air valve	pc	2	2,000	10%	200	110	289	15	0	614
220	Pipe supports, mounting devices and fastening parts	LS	1	3,700	20%	740	222	583	28	0	1,573
221	Civil Works										
222	Operator's building equipment and service facilities										
223	Miscellaneous equipment and devices										
224	Air conditioner unit (separate wall mount type)	pc	14	5,600	20%	1120	336	882	42	0	2,380
225	Workshop equipment										
226	Tools - set of manual tools for maintenance	set	12	6,000	5%	300	315	827	45	0	1,487

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CF (EURO)	I/D Rate	Imp. Duty	Nhil/ 5%	Gfund	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
227	Stand Drilling Machine	set	2	700	5%	35	0	0	0	5	0	40
228	Welding machine	set	2	1,200	5%	60	0	0	0	9	0	69
229	Lifting device	set	2	600	5%	30	0	0	0	5	0	35
230	Miscellaneous small parts for workshop (bolts, screws, nails etc)	LS	1	5,000	5%	250	263	689	38	0	0	1,239
231	Miscellaneous Workshop equipment and manual tools	LS	1	15,000	10%	1500	825	2166	113	0	0	4,603
232	Gate automatic	set	1	8,000	20%	1600	480	1260	60	160	0	3,560
233	Mechanical Equipment & Installation											-
234	DISTRIBUTION CHAMBER											-
235	Mechanical Equipment											-
236	Adjustable overflow weir for distribution to Phases	pc	2	27,715	20%	5543	1663	4365	208	0	0	11,779
237	Valves											-
238	Gate valve - Drain	pc	3	2,894	10%	289	159	418	22	0	0	888
239	Miscellaneous											-
240	Dismantling joint / Flowmeter	pc	2	5,485	10%	549	302	792	41	0	0	1,683
241	AERATION CASCADE											-
242	Valves											-
243	Gate valve - Drain	pc	2	1,929	10%	193	106	278	14	0	0	592
244	Miscellaneous											-
245	Frame for Stop log - cascade	pc	6	1,927	20%	385	116	304	14	39	0	858
246	Frame for Stop log - overflows	pc	2	3,855	20%	771	231	607	29	77	0	1,715
247	Stop log - Cascade	pc	3	2,791	20%	558	167	440	21	56	0	1,242
248	Stop log - Overflows	pc	2	5,583	20%	1117	335	879	42	112	0	2,484
249	Overflow weir plates - cascade	set	1	12,989	20%	2598	779	2046	97	260	0	5,780
250	PRESEDIMENTATION LAMELLA CLARIFIER											-
251	Mechanical Equipment											-
252	Pre sedimentation tank - Inlet baffle plates	set	2	24,635	20%	4927	1478	3880	185	0	0	10,470
253	Sludge scraper - Clarifier - Chain type scraper	pc	2	120,263	20%	24053	7216	18941	902	0	0	51,112
254	Effluent penstock- Clarifier	pc	3	41,572	20%	8314	2494	6548	312	0	0	17,668
255	Lamella plates	LS	1	444,800	20%	88960	26688	70056	3336	0	0	189,040
256	Supporting structure for lamella	LS	1	100,000	20%	20000	6000	15750	750	0	0	42,500
257	V-notch Weirs	set	12	178,972	20%	35794	10738	28188	1342	0	0	76,063
258	Sample water pump - Raw water inlet	pc	1	6,447	20%	1289	387	1015	48	0	0	2,740
259	Valves											-

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
260	Knife Gate valve / motorised - sampling both Lines	pc	2	10,202	10%	1020	561	1473	77	0	3,131
261	Knife Gate valve / motorised - sludge discharge - Clarifier	pc	6	30,606	10%	3061	1683	4419	230	0	9,392
262	Knife Gate valve / manual - sludge discharge - Clarifier	pc	6	5,794	10%	579	319	837	43	0	1,778
263	Ball valve	pc	4	198	10%	20	11	29	1	0	61
264	Pipeworks, incl. bends, reducing, couplings, flanges										
265	SLUDGE PUMPING STATION										
266	Mechanical Equipment										
267	Sludge Feeding pump to the River	set	6	62,639	5%	3132	3289	8632	470	0	15,523
268	Valves										
269	Knife Gate valve / manual - suction side	pc	3	3,175	10%	318	175	458	24	0	974
270	Knife Gate valve / manual - discharge side	pc	3	2,891	10%	289	159	417	22	0	887
271	Non return valve	pc	3	2,319	10%	232	128	335	17	0	712
272	Ball valve - flushing connection - Sludge discharge pumps	pc	6	578	10%	58	32	83	4	0	177
273	Ball valve - pressure indicator - Sludge discharge pumps	pc	3	289	10%	29	16	42	2	0	89
274	Flushing connection / coupling - Sludge discharge pumps	pc	6	3,464	20%	693	208	546	26	0	1,472
275	Pipeworks, incl. bends, reducing, couplings, flanges										
276	FLASH MIXING CHAMBERS										
277	Mechanical Equipment										
278	Vertical pendular Mixer - Flash Mixing Tanks	pc	2	23,861	20%	4772	1432	3758	179	0	10,141
279	Penstock / 4-side sealed / motorised / Outlet - Flash mixing chambers	set	2	27,715	20%	5543	1663	4365	208	0	11,779
280	Valves										
281	Gate valve / manually	pc	2	1,931	10%	193	106	279	14	0	593
282	Ball valve	pc	4	1,132	10%	113	62	163	8	0	347
283	Pipeworks, incl. bends, reducing, couplings, flanges										
284	FLOCCULATION TANKS										
285	Mechanical Equipment										
286	Vertical pendular agitator, big type; including mounting supports, hooks; fully equipped	pc	8	104,700	20%	20940	6282	16490	785	0	44,498
287	Vertical pendular agitator, medium type; including mounting supports, hooks; fully equipped	pc	8	93,914	20%	18783	5635	14791	704	0	39,913

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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288	Valves										
289	Knife Gate valve / manual - drain	pc	4	4,234	10%	423	233	611	32	0	1,299
290	Miscellaneous										
291	Weir plate - inlet - Flocculation tanks	set	8	10,032	5%	502	527	1383	75	0	2,486
292	Penstock / Inlet - Flocculation tanks	set	8	55,430	5%	2772	2910	7639	416	0	13,736
293	LAMELLA CLARIFIERS & SEDIMENTATION TANKS										
294	Mechanical Equipment										
295	Sludge scraper unit - Central driven	set	4	220,512	5%	11026	11577	30389	1654	0	54,646
296	Steel bridge construction for Sludge scraper	set	4	113,539	5%	5677	5961	15647	852	0	28,136
297	Effluent channel with V-notched weir / double sided	set	4	130,457	5%	6523	6849	17979	978	0	32,329
298	Lamella plates	LS	1	492,550	5%	24628	25859	67880	3694	0	122,060
299	Supporting structure for Lamella plates	LS	1	190,000	5%	9500	9975	26184	1425	0	47,084
300	Drainage pumps / Lamella clarifier pipe gallerie	set	2	6,735	5%	337	354	928	51	0	1,669
301	Sample water pump - Lamella Clarifier - effluent	set	1	6,447	5%	322	338	888	48	0	1,598
302	Valves										
303	Knife Gate valve / motorised - sludge discharge - Clarifier	pc	4	20,401	10%	2040	1122	2945	153	0	6,261
304	Knife Gate valve / manual - sludge discharge - Clarifier	pc	4	4,619	10%	462	254	667	35	0	1,417
305	Knife Gate valve / manual - outlet - Drainage pumps	pc	2	1,928	10%	193	106	278	14	0	592
306	Non return valve - outlet - Drainage pumps	pc	2	1,738	10%	174	96	251	13	0	533
307	Ball valve - flushing - sludge discharge - Clarifier	pc	4	385	10%	39	21	56	3	0	118
308	Ball valve	pc	6	578	10%	58	32	83	4	0	177
309	Flushing connection / coupling - Sludge discharge - Clarifier	pc	4	2,309	10%	231	127	333	17	0	709
310	Pipeworks, incl. bends, reducing, couplings, flanges										
311	Miscellaneous										
312	Frame for Stop log - Clarifier outlet - 3 side sealing	pc	1	1,928	10%	193	106	278	14	0	592
313	Stop log - Clarifier outlet - 3 side sealing	pc	1	2,791	10%	279	154	403	21	0	856
314	Frame for Stop log - Clarifier effluent channel - outlet	pc	16	15,421	10%	1542	848	2226	116	0	4,732
315	Stop log - Clarifier effluent channel - outlet - 3 side sealing	pc	4	5,783	10%	578	318	835	43	0	1,775

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316	Recirculation pumps	pc	4	52,000	5%	2600	2730	7166	390	0	12,886
317	Gate valves	pc	8	4,264	10%	426	235	616	32	0	1,309
318	None return valve	pc	4	1,638	10%	164	90	236	12	0	503
319	Ball valve	pc	12	663	10%	66	36	96	5	0	203
320	Recirculation piping										
321	SLUDGE DISCHARGE PUMPING STATION										
322	Mechanical Equipment										
323	Sludge Feeding pumps for the Sludge Holding Tank	pc	3	62,639	5%	3132	3289	8632	470	0	15,523
324	Valves										
325	Knife Gate valve / manual - suction side - Sludge discharge pump	pc	3	3,175	10%	318	175	458	24	0	974
326	Knife Gate valve / manual - discharge side - Sludge discharge pump	pc	3	2,891	10%	289	159	417	22	0	887
327	Knife Gate valve / manual - sludge discharge - Sludge storage tank	pc	1	966	10%	97	53	139	7	0	296
328	Non return valve - outlet - sludge discharge pump	pc	3	2,319	10%	232	128	335	17	0	712
329	Ball valve / manual - flush connections	pc	6	578	10%	58	32	83	4	0	177
330	Ball valve / manual - PIT connection	pc	3	289	10%	29	16	42	2	0	89
331	Hose coupling	pc	6	3,464	10%	346	191	500	26	0	1,063
332	Pipeworks, incl. bends, reducing, couplings, flanges										
333	Piping material - sludge line, incl. bends, reducing, couplings, flanges										
334	RAPID GRAVITY DUAL MEDIA FILTER										
335	Mechanical Equipment										
336	Penstock / motorised - inlet - Filter - 4-side sealing / electrically actuated	pc	12	41,572	5%	2079	2183	5729	312	0	10,302
337	Flap type backwash discharge valve - Filter - 4-side sealing / electrically actuated	pc	12	275,948	10%	27595	15177	39840	2070	0	84,682
338	Multible manhole - Filter	pc	12	84,293	10%	8429	4636	12170	632	0	25,867
339	Filter nozzles units	pc	39,100	89,763	10%	8976	4937	12960	673	0	27,546
340	Drainage pump 1 - DMF pipe corridor	pc	2	6,735	5%	337	354	928	51	0	1,669
341	Sample water pump - Dual Media Filter - effluent	pc	1	6,447	5%	322	338	888	48	0	1,598
342	Penstock / manual - Treated water effluent 4-side sealing / manually actuated	pc	2	18,477	10%	1848	1016	2668	139	0	5,670
343	Penstock / 4-side sealing / motorised - connection - Back-wash water station	pc	1	25,305	10%	2531	1392	3653	190	0	7,765

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344	Penstock / 4-side sealing / motorised - connection - Clear water tanks	pc	1	25,305	10%	2531	1392	3653	190	0	7,765
345	Valves										
346	Butterfly Valve / motorised - Control valve - Filter effluent	pc	12	105,060	10%	10506	5778	15168	788	0	32,240
347	Butterfly valve / motorised - Air backwash inlet - Filter	pc	12	89,475	10%	8948	4921	12918	671	0	27,458
348	Butterfly valve / motorised - Water backwash inlet - Filter	pc	12	206,673	10%	20667	11367	29838	1550	0	63,423
349	Gate valve / manual - Filter drain - Filter	pc	12	5,210	10%	521	287	752	39	0	1,599
350	Knife gate valve / manual - drain - DMF inlet channel	pc	2	2,117	10%	212	116	306	16	0	650
351	Knife Gate valve / manual - outlet - Drainage pumps	pc	2	1,160	10%	116	64	167	9	0	356
352	Non return valve - outlet - Drainage pumps	pc	2	773	10%	77	43	112	6	0	237
353	Ball valve / manual - sample for each filter	pc	12	591	10%	59	33	85	4	0	181
354	Ball valve - inlet - Sample water pump	pc	2	198	10%	20	11	29	1	0	61
355	Ball valve / manual - sample for lines	pc	2	197	10%	20	11	28	1	0	60
356	Air release valve - Back-wash water pipe	pc	1	1,928	10%	193	106	278	14	0	592
357	Gate valve- Back-wash water pipe	pc	1	386	10%	39	21	56	3	0	118
358	Ball valve / manually - Back-wash air pipe - Condensate discharge	pc	1	98	10%	10	5	14	1	0	30
359	Pipeworks, incl. bends, reducing, couplings, flanges										
360	Piping material - Dual Media Filter										
361	Miscellaneous										
362	Frame for Stop log - Filter inlet - 3-side sealing	pc	12	8,674	5%	434	455	1195	65	0	2,150
363	Stop log - Filter inlet - Stop log / 3-side sealing	pc	2	3,855	5%	193	202	531	29	0	955
364	Overflow weir plate - Filter tank inlet	pc	12	21,373	5%	1069	1122	2945	160	0	5,296
365	Filter media - Filter sand - [Quartz sand / Silica sand]	to	782	139,707	5%	6985	7335	19253	1048	0	34,621
366	Filter media - Hydroanthracite	m3	270	214,429	5%	10721	11258	29551	1608	0	53,138
367	Overhead Traveling Crane / DMF pipe gallery	pc	1	37,330	5%	1867	1960	5145	280	0	9,251
368	Dismantling joint - Filter effluent	pc	12	12,706	5%	635	667	1751	95	0	3,149
369	Dismantling joint - Air backwash inlet	pc	12	12,706	5%	635	667	1751	95	0	3,149
370	Dismantling joint - Water backwash inlet	pc	12	39,852	5%	1993	2092	5492	299	0	9,876
371	Pipe coupling - back-wash water main	pc	1	13,857	20%	2771	831	2182	104	0	5,889
372	Pipe coupling - Filtered Water main to CCT	pc	2	73,506	20%	14701	4410	11577	551	0	31,240

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
373	Pipe coupling - Filtered Water main to BWT	pc	2	73,506	20%	14701	4410	11577	551	0	31,240
374	BACK-WASH WATER RECYCLING TANK										
375	Mechanical Equipment										
376	Back-wash Water Recirculation - Submersible / centrifugal pump	pc	3	32,335	5%	1617	1698	4456	243	0	8,013
377	Valves										
378	Knife gate valve / manual - discharge side Back-wash Water Recirculation	pc	3	5,783	10%	578	318	835	43	0	1,775
379	Non return valve - discharge side Back-wash Water Recirculation	pc	3	4,910	10%	491	270	709	37	0	1,507
380	Pipeworks, incl. bends, reducing, couplings, flanges										
381	Miscellaneous										
382	Lifting device for submersible pumps	pc	1	3,081	5%	154	162	425	23	0	764
383	Quever for Lifting device	pc	1	676	5%	34	35	93	5	0	168
384	FILTER BACK-WASH STATION										
385	Mechanical Equipment										
386	Filter Back-wash Pump 1-3	pc	3	380,118	5%	19006	19956	52385	2851	0	94,198
387	Air blower 1-3 - Filter air scouring	pc	3	105,930	20%	21186	6356	16684	794	0	45,020
388	Booster pump 1-3 for Fire fighting	set	3	63,353	5%	3168	3326	8731	475	0	15,700
389	Booster pumping station for Ir-plant service water	set	3	63,353	5%	3168	3326	8731	475	0	15,700
390	Chlorination Booster pump	pc	2	8,276	5%	414	434	1141	62	0	2,051
391	Drainage pump / Back-wash pump station	pc	2	6,735	5%	337	354	928	51	0	1,669
392	Valves										
393	Butterfly Valve / motorised - suction side - Filter Back-wash Pump	pc	3	164,809	10%	16481	9064	23794	1236	0	50,576
394	Check valve - discharge side - Filter Back-wash Pump	pc	3	135,951	10%	13595	7477	19628	1020	0	41,720
395	Butterfly Valve / motorised - discharge side - Filter Back-wash Pump	pc	3	86,016	10%	8602	4731	12419	645	0	26,396
396	back-wash - rinsing	pc	1	11,642	10%	1164	640	1681	87	0	3,573
397	Butterfly Valve / motorised - connection - Dual Media Filter - Phase-1	pc	1	54,936	10%	5494	3021	7931	412	0	16,858
398	Butterfly Valve / motorised - discharge side - Air blower 1-3	pc	3	32,618	10%	3262	1794	4709	245	0	10,010
399	Butterfly Valve / motorised - connection - Dual Media Filter - Phase-1	pc	1	14,912	10%	1491	820	2153	112	0	4,576
400	Solenoid valve / Air header - pressure release	pc	1	482	10%	48	27	70	4	0	148

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CF (EURO)	I/D Rate	Imp. Duty	Nhili/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
401	Knife Gate valve / manual - outlet - Drainage pump 1-2	pc	2	1,160	10%	116	64	167	9	0	356
402	Non return valve - outlet - Drainage pump 1-2	pc	2	776	10%	78	43	112	6	0	238
403	Valves for Fire fighting booster station	set	1	27,615	10%	2,762	1,519	3,987	207	0	8,474
404	Valves for In-plant service water booster station	set	1	18,377	10%	1,838	1,011	2,653	138	0	5,639
405	Valves for Chlorination water booster pumps	set	1	13,857	10%	1,386	762	2,001	104	0	4,252
406	Pipeworks, incl. bends, reducing, couplings, flanges										
407	Miscellaneous										
408	Overhead Traveling Crane / Back-wash water Pump house	set	1	57,727	5%	2,886	0	0	433	0	3,319
409	Dismantling joint / Valves suction side	pc	3	24,250	10%	2,425	1,334	3,501	182	0	7,442
410	Dismantling joint / Valves discharge side	pc	1	5,485	10%	549	302	792	41	0	1,683
411	Dismantling joint / Valves	pc	3	16,454	10%	1,645	905	2,376	123	0	5,049
412	Dismantling joint / Valves	pc	1	1,543	10%	154	85	223	12	0	474
413	Dismantling joint / Valves	pc	1	2,118	10%	212	116	306	16	0	650
414	Dismantling joint / Valves	pc	3	4,047	10%	405	223	584	30	0	1,242
415	Pipe coupling - back-wash water main	pc	2	27,715	10%	2,772	1,524	4,001	208	0	8,505
416	Compensator - Suction side - Filter Back-wash Pump	pc	3	19,340	5%	967	1,015	2,665	145	0	4,793
417	Compensator - Discharge side - Filter Back-wash Pump	pc	3	12,412	5%	621	652	1,711	93	0	3,076
418	Ventilation equipment	pc	3	6,642	20%	1,328	399	1,046	50	0	2,823
419	CLEAR WATER RESERVOIRS										
420	Mechanical Equipment										
421	Penstock / motorised - inlet - clear water tank	pc	2	55,230	20%	11,046	3,314	8,699	414	0	23,473
422	Sample water pump - clear water tank	pc	2	12,894	20%	2,579	774	2,031	97	0	5,480
423	Penstock / manual	pc	1	28,700	20%	5,740	1,722	4,520	215	0	12,198
424	Valves										
425	Butterfly Valve / motorised / with spindle extension	pc	2	200,693	10%	20,069	11,038	28,975	1,505	0	61,588
426	Gate valve / manually - drain - Clear water tank	pc	2	1,931	10%	193	106	279	14	0	593
427	Set of valves sampling	set	1	3,945	10%	395	217	570	30	0	1,211
428	Pipeworks, incl. bends, reducing, couplings, flanges										
429	Miscellaneous										
430	Dismantling joint / Valves	pc	2	55,230	10%	5,523	3,038	7,974	414	0	16,949
431	Pipe coupling - Clear water mains to PS	pc	2	73,506	20%	14,701	4,410	11,577	551	0	31,240

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CF (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
432	CHEMICAL DOSING & STORAGE - ALU DOSING										
433	Mechanical Equipment										
434	Vertical pendular mixer - ALU preparation	pc	3	25,405	5%	1270	1334	3501	191	0	6,296
435	ALU dosing - Dosing pump unit, fully equipped	pc	3	82,550	5%	4128	4334	11376	619	0	20,457
436	Valves										
437	Set of valves	set	1	45,891	10%	4589	2524	6626	344	0	14,083
438	Pipeworks, incl. bends, reducing, couplings, flanges										
439	Miscellaneous										
440	Overhead Traveling Crane / Chemical building	pc	1	45,893	5%	2295	0	0	344	0	2,639
441	Safety shower	pc	1	3,464	20%	693	208	546	26	0	1,472
442	Ventilation equipment	pc	4	8,855	20%	1771	531	1395	66	0	3,763
443	CHEMICAL DOSING & STORAGE - POLYMER DOSING										
444	Mechanical Equipment										
445	Polymer dosing - Polymer preparation- & dosing unit	pc	2	80,817	5%	4041	4243	11138	606	0	20,027
446	Polymer dosing - Dosing pump	pc	2	6,354	5%	318	334	876	48	0	1,575
447	Polymer dosing - Post dilution device	pc	2	12,123	5%	606	636	1671	91	0	3,004
448	Valves										
449	Set of valves	set	1	13,857	10%	1386	762	2001	104	0	4,252
450	Pipeworks, incl. bends, reducing, couplings, flanges										
451	CHEMICAL DOSING & STORAGE - KMnO4										
452	Mechanical Equipment										
453	Mixer - KMnO4 preparation	pc	2	8,664	5%	433	455	1194	65	0	2,147
454	KMnO4 dosing pump	pc	3	24,253	5%	1213	1273	3342	182	0	6,010
455	Valves										
456	Set of valves	set	1	12,126	10%	1213	667	1751	91	0	3,721
457	Pipeworks, incl. bends, reducing, couplings, flanges										
458	CHEMICAL DOSING & STORAGE - CHLORINE										
459	M&E Equipment										
460	Chlorine ton container										
461	Chlorine ton container	set	10	5,785	20%	1157	347	911	43	0	2,459
462	Equipment from Chlorine containers to main pipe										

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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463	1 ton container scale	set	2	13,283	5%	664	697	1831	100	0	3,292
464	Storage Trunnions with base plate	set	4	5,393	20%	1079	324	849	40	0	2,292
465	Emergency shut-off system	set	3	28,289	20%	5658	1697	4456	212	0	12,023
466	Auxiliary valve adapter, yoke clamp	set	6	2,322	20%	464	139	366	17	0	987
467	Copper tube	set	6	1,748	20%	350	105	275	13	0	743
468	Copper valve	set	6	1,159	10%	116	64	167	9	0	356
469	Ball valve	set	9	2,630	10%	263	145	380	20	0	807
470	Pressure Switch	set	2	4,045	10%	405	222	584	30	0	1,241
471	Expansion tank with pressure gauge and rupture disc	set	3	13,283	10%	1328	731	1918	100	0	4,076
472	Electric actuated ball valve	set	2	8,855	10%	886	487	1278	66	0	2,717
473	Control panel with auto/ manual	set	1	48,105	10%	4811	2646	6945	361	0	14,762
474	Evaporator and Accessories										
475	Evaporator	set	0								
476	Pressure relief valve with pressure gauge and rupture disc	set	2	10,567	10%	1059	582	1528	79	0	3,249
477	Pressure reducing valve / manually	set	2	6,159	10%	616	339	889	46	0	1,890
478	Gas filter	set	2	10,969	10%	1097	603	1584	82	0	3,366
479	Ball valve	set	6	4,045	10%	405	222	584	30	0	1,241
480	Water inlet, discharge pipe, valve for vapor	set	2	9,621	20%	1924	577	1515	72	0	4,089
481	Vacuum regulator and accessories										
482	Vacuum regulator with pressure gauge and liquid trap	set	2	24,635	10%	2464	1355	3557	185	0	7,560
483	Vacuum valve	set	2	5,393	10%	539	297	779	40	0	1,655
484	Chlorinator and accessories										
485	Vacuum Gas Feed Chlorinator	set	2	25,401	10%	2540	1397	3667	191	508	8,303
486	Vacuum valve	set	2	2,697	10%	270	148	389	20	54	882
487	Ejector										
488	Ejector for Chlorine solution	set	2	5,392	10%	539	297	778	40	108	1,763
489	Safety equipment										
490	Gas leak detector	set	1	18,282	5%	914	960	2519	137	366	4,896
491	Gas Mask	set	1	2,214	5%	111	0	0	17	44	172
492	Self control breathing apparatus with gas mask	set	1	13,183	5%	659	692	1817	99	264	3,531
493	Chlorine gas scubber unit, fully equipped	set	1	138,252	5%	6913	7258	19053	1037	2765	37,026
494	Nitrogen rinsing device incl supports and mounting devices	set	1	34,156	5%	1708	1793	4707	256	683	9,147
495	Safety shower	set	1	5,485	20%	1097	329	864	41	110	2,441

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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496	Valves										
497	Set of valves	set	1	14,433	10%	1443	794	2084	108	0	4,429
498	Pipeworks, incl: bends, reducing, couplings, flanges										
499	Miscellaneous										
500	Overhead Traveling Crane	set	1	50,894	5%	2545	0	0	382	0	2,926
501	Ventilation equipment	set	1	11,741	20%	2348	704	1849	88	0	4,990
502	Backup hypochlorite dosing package unit, fully equipped	set	1	192,321	5%	9616	10097	26504	1442	0	47,660
503	CHEMICAL DOSING & STORAGE - LIME DOSING										
504	Mechanical Equipment										
505	Vertical pendular mixer - LIME milk preparation	pc	2	33,677	5%	1684	1768	4641	253	0	8,346
506	LIME milk transfer pumps	pc	2	12,318	5%	616	647	1698	92	0	3,053
507	Lime water reactor unit, fully equipped	LS	2	180,700	5%	9035	9487	24903	1355	0	44,780
508	Vertical pendular mixer - LIME solution preparation	pc	1	8,373	5%	419	440	1154	63	0	2,075
509	LIME dosing unit, fully equipped										
510	LIME dosing - Dosing pump unit, fully equipped	pc	4	33,346	5%	1667	1751	4595	250	0	8,264
511	Lime milk preparation tank unit, incl: mounting devices, fully equipped	pc	2	16,000	5%	800	840	2205	120	0	3,965
512	Lime water tank, incl: mounting supports, fully equipped	pc	1	8,000	5%	400	420	1103	60	0	1,983
513	Valves										
514	Set of valves	set	1	54,166	10%	5417	2979	7820	406	0	16,622
515	Pipeworks, incl: bends, reducing, couplings, flanges										
516	Miscellaneous										
517	Ventilation equipment	set	1	6,159	20%	1232	370	970	46	0	2,618
518	SLUDGE STORAGE TANK										
519	Mechanical Equipment										
520	Submersible mixer - Sludge tank	pc	1	8,178	20%	1636	491	1288	61	0	3,476
521	Sludge storage tank	pc	1	86,491	20%	17298	5189	13622	649	0	36,759
522	Sludge feed pump	pc	2	28,096	5%	1405	1475	3872	211	0	6,963
523	Valves										
524	Knife Gate valve / manual - suction side	pc	2	2,117	10%	212	116	306	16	0	650
525	Non return valve - discharge side	pc	2	2,117	10%	212	116	306	16	0	650
526	Knife Gate valve / manual - discharge side	pc	1	1,062	10%	106	58	153	8	0	326

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527	Pipeworks, incl. bends, reducing, couplings, flanges										
528	Miscellaneous										
529	Lifting device	pc	1	3,371	5%	169	177	465	25	0	835
530	Overhead travelling crane	pc	1	21,167	5%	1058	1111	2917	159	0	5,245
531	Laboratory Equipment (according Employers Requirements)	LS	1	317,510	5%	15876	16669	43757	2381	0	78,683
532	Air condition unit, incl. mounting devices, fully equipped	pcs	3	72,776	5%	3639	3821	10029	546	0	18,035
533	IN-PLANT INTERCONNECTING PIPING (outside buildings)										
534	Piping materials & fittings, incl. bends, reducing, couplings, flanges										
535	Electrical Equipment & Installation										
536	Low voltage distribution board including low voltage incoming switchgears and distribution feeders										
537	LV Voltage distribution board	LS	1	346,662	20%	69332	20800	54599	2600	0	147,331
538	Switchgears	LS	1	195,000	20%	39000	11700	30713	1463	0	82,875
539	Distribution feeders	LS	1	122,400	20%	24480	7344	19278	918	0	52,020
540	Low voltage panel	LS	1	40,250	20%	8050	2415	6339	302	0	17,106
541	LV Rubber Matt	m	60	3,000	20%	600	180	473	23	0	1,275
542	Cable double floor constructin elements MCC	LS	1	12,000	20%	2400	720	1890	90	0	5,100
543	Power factor compensation unit	set	1	13,728	20%	2746	824	2162	103	0	5,834
544	Motor control center panels	set	1	243,936	20%	48787	14636	38420	1830	0	103,673
545	UPS system at relevant connection points for 50KVA generator	set	1	68,640	5%	3432	3604	9459	515	0	17,010
546	Grounding Material with Galvanized Steel Strip	set	1	77,352	5%	3868	4061	10660	580	0	19,169
547	Lightning Protection System	set	1	60,192	20%	12038	3612	9480	451	0	25,582
548	Cable installation										
549	Low voltage cables	m	285,620	357,025	20%	71405	21422	56231	2678	0	151,736
550	Signal cables	m	209,850	104,925	20%	20985	6296	16526	787	0	44,593
551	Cable glands, cable shoes, junction boxes	LS	1	16,154	20%	3231	969	2544	121	0	6,865
552	Cable trays and supports	LS	1	213,576	20%	42715	12815	33638	1602	0	90,770
553	Building services - low voltage electrical										
554	Firefighting Detection System	set	1	150,173	5%	7509	7884	20696	1126	0	37,215
555	CO2 Fire Extinguisher	pc	16	443	5%	22	23	61	3	0	110
556	Warning lights	set	1	6,043	20%	1209	363	952	45	0	2,568

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557	Warning Signs and Stickers	set	1	963	20%	193	58	152	7	0	409
558	Lighting	LS	1	128,187	20%	25637	7691	20189	961	0	54,479
559	Power Stations (Power outlets)	set	30	963	20%	193	58	152	7	0	409
560	Splicing Boxes	set	10	5,000	20%	1000	300	788	38	0	2,125
561	Pigtails	set	200	5,500	20%	1100	330	866	41	0	2,338
562	VOIP Phone System	set	25	6,000	20%	1200	360	945	45	0	2,550
563	Switches, Sockets	pcs	350	4,200	20%	840	252	662	32	0	1,785
564	Local control panels, incl. mounting devices and supports	set	1	240,856	20%	48171	14451	37935	1806	0	102,364
565	Instrumentation, incl. mounting devices and supports, fully equipped										
566	Level switch / Cascade distribution	pc	1	513	20%	103	31	81	4	10	228
567	Level switch / Cascade	pc	1	513	20%	103	31	81	4	10	228
568	Flow measurement / Flowmeter phase 1	pc	2	19,090	20%	3818	1145	3007	143	382	8,495
569	Level measurement / for sludge level	pc	2	14,504	10%	1450	798	2094	109	290	4,741
570	Analytic instrument / PH at each pre-oxidation outlet	pc	2	12,142	10%	1214	668	1753	91	243	3,969
571	Analytic instrument / NTU each pre-oxidation outlet	pc	2	16,452	10%	1645	905	2375	123	329	5,378
572	Pressure indicator / transmitter / pressure sludge discharge	pc	3	6,246	10%	625	344	902	47	125	2,042
573	Level switch / flash mixer chamber level	pc	2	1,026	10%	103	56	148	8	21	335
574	Level switch / Drainage PS	pc	1	513	10%	51	28	74	4	10	168
575	Analytic instrument / PH measurement	pc	1	6,071	10%	607	334	877	46	121	1,984
576	Analytic instrument / Turbidity measurement	pc	1	8,025	10%	803	441	1159	60	161	2,623
577	Pressure indicator / transmitter / pressure sludge pumps discharge	pc	3	6,246	10%	625	344	902	47	125	2,042
578	Flow measurement / sludge common line	pc	1	5,728	10%	573	315	827	43	115	1,872
579	Ultrasonic type level meter / Filters level for each filter cell	pc	6	16,614	10%	1661	914	2399	125	332	5,431
580	Analytic instrument / Turbidity measurement	pc	2	10,050	10%	1005	553	1451	75	201	3,285
581	Point level switch, conductive / drainage	pc	1	513	20%	103	31	81	4	10	228
582	Point level switch, conductive / filter overflow	pc	1	513	20%	103	31	81	4	10	228
583	Point level switch, conductive / back wash water recirculation	pc	1	513	20%	103	31	81	4	10	228
584	Ultrasonic type level meter / back wash water recirculation	pc	1	3,069	20%	614	184	483	23	61	1,366
585	Diaphragm pressure gauge, stainless steel version / pressure backwash PS	pc	3	5,046	20%	1009	303	795	38	101	2,245

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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586	Pressure indicator / transmitter / pressure backwash PS	pc	3	6,246	20%	1249	375	984	47	125	2,779
587	Electromagnetic flow sensor unit / transmitter / flow backwash PS	pc	1	3,844	20%	769	231	605	29	77	1,711
588	Point level switch, conductive / drainage	pc	1	513	20%	103	31	81	4	10	228
589	Diaphragm pressure gauge, stainless steel version / service water PS	pc	1	1,682	5%	84	88	232	13	34	450
590	Diaphragm pressure gauge, stainless steel version / service water PS	pc	1	3,844	5%	192	202	530	29	77	1,029
591	Diaphragm pressure gauge, stainless steel version / CI booster pumps	pc	2	3,364	5%	168	177	464	25	67	901
592	Diaphragm pressure gauge, stainless steel version / fire fighting PS	pc	1	1,682	5%	84	88	232	13	34	450
593	Point level switch, conductive / Backwash water reservoir level switch	pc	1	513	5%	26	27	71	4	10	137
594	Ultrasonic type level meter / Backwash water reservoir level measurement	pc	1	4,089	5%	203	214	561	31	81	1,090
595	Analytic instrument / residual chlorine	pc	2	8,604	5%	430	452	1186	65	172	2,304
596	Flow indication / Flow indication-sample water	pc	2	5,610	5%	281	295	773	42	112	1,502
597	Ultrasonic type level meter / level clear water tank	pc	2	8,138	5%	407	427	1122	61	163	2,179
598	Point level switch, conductive / level clear water tank	pc	2	1,026	5%	51	54	141	8	21	275
599	Flow indication / flow indicator chlorine dosing tank	pc	1	2,805	5%	140	147	387	21	56	751
600	Point level switch, conductive / ALLU tanks	pc	2	1,026	5%	51	54	141	8	21	275
601	Ultrasonic type level meter / ALLU tanks	pc	2	6,138	5%	307	322	846	46	123	1,644
602	Diaphragm pressure gauge, stainless steel version / ALLU pumps	pc	1	2,851	5%	143	150	393	21	57	764
603	Electromagnetic flow sensor / transmitter / ALLU pumps	pc	2	5,702	5%	285	299	786	43	114	1,527
604	Electromagnetic flow sensor / transmitter / Polymer	pc	2	5,702	5%	285	299	786	43	114	1,527
605	Pressure indicator / transmitter / Polymer	pc	2	4,164	5%	208	219	574	31	83	1,115
606	Flow indication (no flow measurement) / Polymer	pc	2	5,610	5%	281	295	773	42	112	1,502
607	Point level switch, conductive / KMnO4 tanks	pc	1	513	5%	26	27	71	4	10	137
608	Ultrasonic type level meter / KMnO4 tanks	pc	1	3,069	5%	153	161	423	23	61	822
609	Diaphragm pressure gauge, stainless steel version / KMnO4 pumps	pc	2	3,364	5%	168	177	464	25	67	901
610	Electromagnetic flow sensor / transmitter / KMnO4 pumps	pc	1	2,851	5%	143	150	393	21	57	764

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of item	unit	Qty	Clf (EURO)	I/D Rate	Imp. Duty	Nhil/Gfrnd 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
611	Level Sensor + Transmitter / Lime tank	pc	1	4,069	5%	203	214	561	31	81	1,090
612	Level switch / Lime tank	pc	1	513	20%	103	31	81	4	10	228
613	Point level switch, conductive / Lime tank	pc	3	1,539	5%	77	81	212	12	31	412
614	Pressure indicator / transmitter / Lime pumps	pc	3	6,246	5%	312	328	861	47	125	1,673
615	Electromagnetic flow sensor unit / transmitter / Lime pumps	pc	1	3,844	5%	192	202	530	29	0	953
616	CCTV system	set	1	68,640	5%	3432	3604	9459	515	0	17,010
617	Outdoor lighting	set	1	19,184	20%	3837	1151	3021	144	384	8,537
618	Mechanical Equipment & Installation										
619	HIGH LIFT PUMPING STATION										
620	Mechanical Equipment										
621	High Lift Water Pump 1-3	pc	3	847,251	5%	42363	44481	116762	6354	0	209,959
622	Surge Protection unit, incl. mounting devices, fully equipped	set	1	455,512	5%	22776	23914	62775	3416	0	112,882
623	Drainage pump / Treated Water Lift Pump house	pc	2	5,072	5%	254	266	699	38	0	1,257
624	Booster pumping station for in-plant drinking water supply	set	1	22,627	5%	1131	1188	3118	170	0	5,607
625	Sample water pump - Treated water - discharge	pc	1	4,878	5%	244	256	672	37	0	1,209
626	Valves										
627	Butterfly valve / motorised - suction side	pc	3	127,557	10%	12756	7016	18416	957	0	39,144
628	Check valve - discharge side - Water Pump 1-3	pc	3	172,031	10%	17203	9462	24837	1290	0	52,792
629	Butterfly valve / motorised - discharge side - Water Pump 1-3	pc	3	78,409	10%	7841	4312	11320	588	0	24,062
630	Butterfly valve / manually - connection suction header	pc	1	100,057	10%	10006	5503	14446	750	0	30,705
631	Butterfly valve / manually - connection suction header	pc	1	71,191	10%	7119	3916	10278	534	0	21,847
632	Butterfly valve / manually - pressure header	pc	2	134,971	10%	13497	7423	19486	1012	0	41,419
633	Butterfly valve / manually - maintenance - Flow meter	pc	1	56,563	10%	5656	3111	8166	424	0	17,358
634	Knife Gate valve / manual - outlet - Drainage pump	pc	2	781	10%	78	43	113	6	0	240
635	Non return valve - outlet - Drainage pump	pc	2	589	10%	59	32	85	4	0	181
636	Ball valve	pc	5	500	10%	50	28	72	4	0	153
637	Valves for Booster pumping station for in-plant drinking water supply	pc	1	5,169	10%	517	284	746	39	0	1,586
638	Ball valve - outlet - PI and P/T connection	pc	7	697	10%	70	38	101	5	0	214

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CF (EURO)	I/D Rate	Imp. Duty	Nhil/Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
639	Ball valve - Inlet - Sample water pump	pc	1	100	10%	10	6	14	1	0	31
640	Butterfly valve / manually - isolation of Drinking Water pumps	pc	1	2,342	10%	234	129	338	18	0	719
641	Pipeworks, incl. bends, reducing, couplings, flanges										
642	Piping - suction side	set	1								
643	Miscellaneous										
644	Overhead Traveling Crane / Treated Water Pump house	set	1	102,007	5%	5100	5355	14058	765	0	25,279
645	Compensator - Suction side - Treated Water Pump	pc	3	14,633	5%	732	768	2017	110	0	3,626
646	Compensator - Discharge side - Treated Water Pump	pc	3	10,538	5%	527	553	1452	79	0	2,611
647	Dismantling joint / Treated Water Pumps - suction side	pc	3	24,871	5%	1244	1306	3428	187	0	6,163
648	Dismantling joint / Treated Water Pumps - discharge side	pc	3	16,975	5%	849	891	2339	127	0	4,207
649	Dismantling joint / Suction Header / connection	pc	1	25,844	5%	1292	1357	3562	194	0	6,404
650	Dismantling joint / Pressure Header / Treated water Transmission pipe	pc	2	12,485	5%	624	655	1721	94	0	3,094
651	Dismantling joint / Pressure Header / Phase connection	pc	2	26,723	5%	1336	1403	3683	200	0	6,622
652	Ventilation Equipment	pc	6	9,950	20%	1990	597	1567	75	0	4,229
653	Connection to TRANSMISSION PIPELINES FOR TREATED WATER										
654	Valves										
655	Butterfly valve / manually - connection surge Pressure vessel	pc	1	15,798	10%	1580	869	2281	118	0	4,848
656	Pressure Relief valve - Transmission main	pc	1	20,676	10%	2068	1137	2985	155	0	6,345
657	Air release valve - Transmission main	pc	1	2,148	10%	215	118	310	16	0	659
658	Gate valve - Transmission main	pc	1	1,463	10%	146	80	211	11	0	449
659	Piping material & fittings										
660	Miscellaneous										
661	Dismantling joint - connection surge protection vessel	pc	1	5,658	10%	566	311	817	42	0	1,736
662	Electrical Equipment & Installation										
663	Electrical Control equipment for Lift PS										
664	Frequency converter for high lift pumps	pc	3	844,500	5%	42225	44336	116383	6334	0	209,278
665	Electr. Installation Materials										
666	LV Cables	m	180	225	20%	45	14	35	2	0	96

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/ Grund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
667	Signal and Control cables	m	150	75	20%	15	5	12	1	0	32
668	10KV Power Supply Cable										
669	10KV Cable	m	150	14,850	10%	1485	817	2144	111	0	4,557
670	Joints, caps, connectors	LS	1	1,606	10%	161	88	232	12	0	493
671	Instrumentation, incl. mounting equipment, hook ups, supports, screws, fully equipped										
672	Pressure indicator / transmitter / pressure clear water pumps	pc	3	2,724	5%	136	143	375	20	0	675
673	Diaphragm pressure gauge, stainless steel version / pressure clear water pumps	pc	3	2,202	5%	110	116	303	17	0	545
674	Pressure indicator / transmitter / pressure clear water PS	pc	1	908	5%	45	48	125	7	0	225
675	Electromagnetic flow sensor / transmitter / plant outlet flow	pc	1	12,614	5%	631	662	1738	95	0	3,126
676	Analytic instrument / PH measurement - instrument+transmitter	pc	1	2,648	5%	132	139	365	20	0	656
677	Analytic instrument / residual chlorine measurement - instrument+transmitter	pc	1	3,187	5%	159	167	439	24	0	790
678	Analytic instrument / NTU measurement - instrument+transmitter	pc	1	3,501	5%	175	184	482	26	0	868
679	Point level switch, conductive / drainage	pc	1	224	5%	11	12	31	2	0	56
680	Diaphragm pressure gauge, stainless steel version / pressure drinking water pumps	pc	1	734	5%	37	39	101	6	0	182
681	Water meter / water meter drinking water pumps	pc	1	210	5%	11	11	29	2	0	52
682	Telemetry and SCADA										
683	SCADA connection to River Intake										
684	Optical cable fiber installation										
685	Cables	m	6,000	2,400	20%	480	144	378	18	0	1,020
686	Splice box	pcs	10	600	20%	120	36	95	5	0	255
687	Pig tails	pcs	30	86	20%	17	5	14	1	0	37
688	PLC Switchgear Unit, fully equipped, including Monitor, FOC Switch and UPS system										
689	PLC Switchgear Unit, fully equipped	set	1	52,064	20%	10413	3124	8200	390	0	22,127
690	Monitor, incl. cables	pc	1	1,400	20%	280	84	221	11	0	595
691	UPS System Unit	set	1	3,450	5%	173	181	475	26	0	855
692	Automation and SCADA for WTP Daboose										
693	PLC Switchgear with 17" Monitor Incl FOC Switch and UPS										

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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694	PLC Switchgear Unit	set	2	328,928	20%	65786	19736	51806	2467	0	139,794
695	Monitor	pcs	2	4,800	5%	240	252	662	36	0	1,190
696	FOC Switch	set	2	9,600	20%	1920	576	1512	72	0	4,080
697	UPS System Unit	set	2	18,000	5%	900	945	2481	135	0	4,461
698	DWTP Daboose SCADA equipment including UPS system										
699	UPS System SCADA	set	1	19,192	5%	960	1008	2645	144	0	4,756
700	PLC switchgear	set	1	35,984	5%	1799	1889	4959	270	0	8,917
701	SCADA Server Panel	set	2	23,990	5%	1200	1259	3306	180	0	5,945
702	SCADA Operating stations	set	2	4,798	5%	240	252	661	36	0	1,189
703	Laboratory PC, fully equipped	set	1	4,798	5%	240	252	661	36	0	1,189
704	Engineering Notebook fully equipped	set	3	21,560	5%	1080	1133	2975	162	0	5,350
705	SCADA and PLC software and licenses	set	1	189,112	5%	9456	9928	26062	1418	0	46,864
706	Monitors Big Screen	pc	2	6,512	5%	326	342	897	49	0	1,614
707	Optical fiber cable network	set	1	33,792	5%	1690	1774	4657	253	0	8,374
708	Bulk power supply and electrical installation										
709	RIVER INTAKE POWER SUPPLY										
710	Transformer 10/0,4 kV including connectors										
711	Transformer 11/0,4 kV, fully equipped	set	1	98,000	5%	4900	0	0	735	0	5,635
712	Connectors, supports	set	1	17,667	5%	883	928	2435	133	0	4,378
713	10kV Cable from 10kV WTP substation to River Intake, including 10kV joints and connectors										
714	10kV Cable	m	1,000	100,000	10%	10000	5500	14438	750	0	30,688
715	11kV Joints	set	18	30,420	10%	3042	1673	4392	228	0	9,335
716	10kV Cable end connectors	set	6	2,430	10%	243	134	351	18	0	746
717	DABOASE DWTP POWER SUPPLY										
718	Line Disconnect Switch with fuse for pole for connection to 34.5kV line	set	1	18,832	10%	1883	1036	2719	141	0	5,779
719	33kV Cable from Line (border of supply) to 34.5kV Substation, including all connectors										
720	33kV Cable	m	908	81,434	10%	8143	4479	11757	611	0	24,990
721	33kV Cable end connectors	set	6	2,430	10%	243	134	351	18	0	746
722	34.5kV Electrical Substation including all connectors; fully equipped										
723	33kV Switchgear	set	4	247,280	10%	24728	13600	35701	1855	0	75,884

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724	Medium voltage cable joints	set	18	16,899	10%	1690	929	2440	127	0	5,185
725	Medium Voltage Rubber Matt	m	11	6,885	10%	689	379	994	52	0	2,113
726	Uninterruptible Power Supply System	set	1	19,192	10%	1919	1056	2771	144	0	5,890
727	Safety Equipment for MV (MV gloves, MV helmet with shield, safety shoes, protective jacket, earthing set, arc fault protective sheath. 2 pcs each)	LS	1	8,596	10%	860	473	1241	64	0	2,638
728	Electrical tools and additional mounting devices regarding Substation	LS	1	51,300	10%	5130	2822	7406	385	0	15,743
729	34.5/10 KV Transformer, including all connectors; fully equipped	set	1	312,928	10%	31293	17211	45179	2347	0	96,030
730	34.5KV Cable from 33KV Substation to Transformers, including connectors										
731	33KV cable	m	300	26,888	10%	2689	1479	3882	202	0	8,251
732	33KV Cable end connectors	set	24	9,720	10%	972	535	1403	73	0	2,983
733	10KV Cable from Transformers to 10KV Substation										
734	10KV Cable	m	200	20,000	10%	2000	1100	2888	150	0	6,138
735	10KV Cable end connectors	set	102	41,336	10%	4134	2273	5968	310	0	12,685
736	10KV Electrical Substation including connectors; fully equipped										
737	10KV Substation Switchgears	set	10	639,956	10%	63996	35198	92394	4800	0	196,386
738	Medium Voltage Rubber Matt	m	50	31,300	10%	3130	1722	4519	235	0	9,605
739	Uninterruptible Power Supply System	set	1	19,192	10%	1919	1056	2771	144	0	5,890
740	10/0,4 KV Transformer, including connectors; fully equipped	set	1	70,400	10%	7040	3872	10164	528	0	21,604
741	Raw Water Intake and Low-Lift Pump Station										
742	Mechanical Equipment										
743	Fine screen / motorized - spare part	set	2	14,414	5%	721	757	1986	108	0	3,572
744	Sluice gate-1-2 / Inlet Coarse Screen - spare part	pc	2	1,169	5%	58	61	161	9	0	290
745	Sluice gate-3-4 / Inlet-Fine Screen channel - spare part	pc	2	1,169	5%	58	61	161	9	0	290
746	Sluice gate-5-6 / Outlet-Fine Screen channel - spare part	pc	2	1,169	5%	58	61	161	9	0	290
747	Screenings discharge - conveyor / horizontal - spare part	pc	1	1,753	5%	88	92	242	13	0	434
748	Drainage pump / Screen channel-1-2 - spare part	pc	2	145	5%	7	8	20	1	0	36
749	Flushing pump / Screen channels - spare part	pc	2	366	5%	18	19	50	3	0	91

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750	Sample water pump - clear water tank - spare equipment	pc	1	4,848	5%	242	255	668	36	0	1,201
751	Gate valves flushing connection - spare part	set	1	18	10%	2	1	3	0	0	6
752	Non-return-valves - spare part	set	2	41	10%	4	2	6	0	0	13
753	Butterfly valves - spare part	set	2	82	10%	8	5	12	1	0	25
754	River water lift pump - spare part	pc	3	22,728	5%	1136	1193	3132	170	0	5,632
755	Surge Protection unit / Raw water transmission main - spare part	set	1	12,202	5%	610	641	1682	92	0	3,024
756	Check valve - discharge side - River Water Lift Pumps - spare part	pc	3	5,120	10%	512	282	739	38	0	1,571
757	Butterfly valve / motorised-discharge side-River Water Lift Pumps - spare part	pc	3	2,338	10%	234	129	338	18	0	717
758	Air release valve - discharge side - River Water Lift Pumps - spare part	pc	3	131	10%	13	7	19	1	0	40
759	Gate valve - air release - River Water Lift Pumps - spare part	pc	3	26	10%	3	1	4	0	0	8
760	Ball valve - pressure indicator / transmitter - River Water Lift Pumps - spare equipment	pc	6	292	10%	29	16	42	2	0	90
761	Butterfly valve / manually - Maintenance - spare part	pc	2	4,012	10%	401	221	579	30	0	1,231
762	Butterfly valve / manually - Maintenance - Surge protection - spare part	pc	1	273	10%	27	15	39	2	0	84
763	Butterfly valve / manually - Maintenance - spare part	pc	2	2,175	10%	218	120	314	16	0	667
764	Gate valve - Transmission main - Drain - spare part	pc	5	160	10%	16	9	23	1	0	49
765	Pressure Relief valve - Transmission main - spare part	pc	1	616	10%	62	34	89	5	0	189
766	Air release valve - Transmisison main - spare part	pc	1	64	10%	6	4	9	0	0	20
767	Gate valve - Transmission main - spare part	pc	1	44	10%	4	2	6	0	0	14
768	Ball valve - Sampling - spare equipment	pc	1	293	10%	29	16	42	2	0	90
769	Electrical Equipment					0	0	0	0	0	
770	Low voltage distribution board; including low voltage incoming switchgears and distribution feeders - spare part	set	1	10,574	20%	2115	634	1665	79	0	4,494
771	Frequency Converter Switchgear - spare part	set	3	7,050	20%	1410	423	1110	53	0	2,996
772	Power factor compensation unit - spare part	set	1	72	20%	14	4	11	1	0	31
773	Local control panels - spare part	set	1	574	20%	115	34	90	4	0	244
774	Level Sensor + Transmitter / level upstream screens - spare equipment	pc	2	3,925	20%	785	236	618	29	0	1,668

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775	Sampler / sampler - spare part	pc	1	338	20%	68	20	53	3	0	144
776	Pressure gauge / pressure side pumps - spare equipment	pc	3	1,622	20%	324	97	255	12	0	689
777	Pressure Indicator + Transmitter, pumps / pressure side pumps - spare equipment	pc	3	2,008	20%	402	120	316	15	0	853
778	Raw Water Transmission Pipeline.										
779	Pipe Laying										
780	Washout Valve Chamber Assembly complete with fitting supply, transport, installation - spare part	pcs	1.00	1,812	20%	362	109	285	14	0	770
781	Air Valve Chamber Assembly complete with fitting supply, transport, installation - spare part	pcs	1.00	739	20%	148	44	116	6	0	314
782	Water Treatment Plant Expansion.										
783	Mechanical Equipment										
784	Adjustable overflow weir for distribution to Phases - spare part	pc	2	831	10%	83	46	120	6	0	255
785	Gate valve - Drain - spare part	pc	3	87	10%	9	5	13	1	0	27
786	Gate valve - Drain - spare part	pc	2	58	10%	6	3	8	0	0	18
787	Sludge scraper - Clarifier - Chain type scraper - spare part	pc	2	3,608	10%	361	198	521	27	0	1,107
788	Effluent penstock- Clarifier - spare part	pc	3	1,247	10%	125	69	180	9	0	383
789	Lamella plates - spare part	set	1	16,344	10%	1634	899	2360	123	0	5,016
790	Sample water pump - Raw water inlet - spare equipment	pc	1	6,447	5%	322	338	888	48	0	1,598
791	Knife Gate valve / motorised - sampling both lines - spare part	pc	2	306	10%	31	17	44	2	0	94
792	Knife Gate valve / motorised - sludge discharge - Clarifier - spare part	pc	6	918	10%	92	50	133	7	0	282
793	Knife Gate valve / manual - sludge discharge - Clarifier - spare part	pc	6	174	10%	17	10	25	1	0	53
794	Ball valve - Sampling pump - spare equipment	pc	2	99	10%	10	5	14	1	0	30
795	Sludge Feeding pump to the River - spare part	set	3	1,879	10%	188	103	271	14	0	577
796	Knife Gate valve / manual - suction side - spare part	pc	3	95	10%	10	5	14	1	0	29
797	Knife Gate valve / manual - discharge side - spare part	pc	3	87	10%	9	5	13	1	0	27
798	Non return valve - spare part	pc	3	70	10%	7	4	10	1	0	21
799	Ball valve - flushing connection - Sludge discharge pumps - spare equipment	pc	6	96	10%	10	5	14	1	0	29

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800	Ball valve - pressure indicator - Sludge discharge pumps - spare equipment	pc	3	96	10%	10	5	14	1	0	29
801	Flushing connection / coupling - Sludge discharge pumps - spare equipment	pc	6	577	10%	58	32	83	4	0	177
802	Vertical pendular Mixer - Flash Mixing Tanks - spare part	pc	2	716	10%	72	39	103	5	0	220
803	Penstock / 4-side sealed / motorised / Outlet - Flash mixing chambers - spare part	set	2	831	10%	83	46	120	6	0	255
804	Gate valve / manually - spare part	PC	2	58	10%	6	3	8	0	0	18
805	Vertical pendular agitator - spare part	pc	8	3,141	10%	314	173	453	24	0	964
806	Vertical pendular agitator - spare part	pc	8	2,817	10%	282	155	407	21	0	864
807	Knife Gate valve / manual - drain - spare part	pc	4	127	10%	13	7	18	1	0	39
808	Penstock / Inlet - Flocculation tanks - spare part	set	8	1,663	10%	166	91	240	12	0	510
809	Sludge scraper - Central driven - spare part	set	4	6,615	10%	662	364	955	50	0	2,030
810	Lamella plates - spare part	set	1	20,777	10%	2078	1143	3000	156	0	6,376
811	Drainage pumps / Lamella clarifier pipe gallerie - spare part	pc	2	202	10%	20	11	29	2	0	62
812	Knife Gate valve / motorised - sludge discharge - Clarifier - spare part	pc	4	612	10%	61	34	88	5	0	188
813	Knife Gate valve / manual - sludge discharge - Clarifier - spare part	pc	4	139	10%	14	8	20	1	0	43
814	Knife Gate valve / manual - outlet - Drainage pumps - spare part	pc	2	58	10%	6	3	8	0	0	18
815	Non return valve - outlet - Drainage pumps - spare part	pc	2	52	10%	5	3	8	0	0	16
816	Ball valve - flushing - sludge discharge - Clarifier - spare equipment	pc	4	96	10%	10	5	14	1	0	29
817	Ball valve - Sample water pump - spare equipment	pc	4	96	10%	10	5	14	1	0	29
818	Flushing connection / coupling - Sludge discharge - Clarifier - spare equipment	pc	4	577	10%	58	32	83	4	0	177
819	Sludge Feeding pumps for the Sludge Holding Tank - spare part	pc	3	1,879	10%	188	103	271	14	0	577
820	Knife Gate valve / manual - suction side - Sludge discharge pump - spare part	pc	3	95	10%	10	5	14	1	0	29
821	Knife Gate valve / manual - discharge side - Sludge discharge pump - spare part	pc	3	87	10%	9	5	13	1	0	27
822	Knife Gate valve / manual - sludge discharge - Sludge storage tank - spare part	pc	1	29	10%	3	2	4	0	0	9
823	Non return valve - outlet - sludge discharge pump - spare part	pc	3	70	10%	7	4	10	1	0	21

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of item	unit	Qty	CF (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
824	Ball valve / manual- flush connections - spare equipment	pc	6	96	10%	10	5	14	1	0	29
825	Ball valve / manual- PIT connection - spare equipment	pc	3	96	10%	10	5	14	1	0	29
826	Hose coupling - spare equipment	pc	6	577	10%	58	32	83	4	0	177
827	Penstock / motorised - inlet - Filter -4-side sealing / electrically actuated - spare part	pc	6	1,247	10%	125	69	180	9	0	383
828	Flap type backwash discharge valve - Filter -4-side sealing / electrically actuated - spare part	pc	12	8,278	10%	828	455	1195	62	0	2,540
829	Filter nozzles with accessories - spare part	pc	1,171	2,693	10%	269	148	389	20	0	826
830	Drainage pump 1 - DMF pipe corridr - spare part	pc	2	202	10%	20	11	29	2	0	62
831	Penstock / manual - Treated water effluent 4-side sealing / manually actuated - spare part	pc	2	554	10%	55	30	80	4	0	170
832	Penstock / 4-side sealing / motorised - connection - Back-wash water station - spare part	pc	1	759	10%	76	42	110	6	0	233
833	Penstock / 4-side sealing / motorised - connection - Clear water tanks - spare part	pc	1	759	10%	76	42	110	6	0	233
834	Butterfly Valve / motorised - Control valve - Filter effluent - spare part	pc	6	3,152	10%	315	173	455	24	0	967
835	Butterfly valve / motorised - Air backwash inlet - Filter - spare part	pc	6	2,684	10%	268	148	388	20	0	824
836	Butterfly valve / motorised - Water backwash inlet - Filter - spare part	pc	6	6,200	10%	620	341	895	47	0	1,903
837	Gate valve / manual - Filter drain - Filter - spare part	pc	6	156	10%	16	9	23	1	0	48
838	Knife gate valve / manual - drain - DMF inlet channel - spare part	pc	2	64	10%	6	4	9	0	0	20
839	Knife Gate valve / manual - outlet - Drainage pumps - spare part	pc	2	35	10%	4	2	5	0	0	11
840	Non return valve - outlet - Drainage pumps - spare part	pc	2	23	10%	2	1	3	0	0	7
841	Ball valve / manual - sample for each filter - spare equipment	pc	6	98	10%	10	5	14	1	0	30
842	Ball valve - inlet - Sample water pump - spare equipment	pc	2	99	10%	10	5	14	1	0	30
843	Ball valve / manual - sample for lines - spare equipment	pc	2	98	10%	10	5	14	1	0	30
844	Air release valve - Back-wash water pipe - spare part	pc	1	58	10%	6	3	8	0	0	18
845	Gate valve- Back-wash water pipe - spare part	pc	1	12	10%	1	1	2	0	0	4

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	Clf (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
846	Ball valve / manually - Back-wash air pipe - Condensate discharge - spare equipment	pc	1	98	10%	10	5	14	1	0	30
847	Filter media - Filter sand - [Quartz-sand / Silica sand] - spare material	to	717	4,191	10%	419	231	605	31	0	1,286
848	Filter media - Hydroanthracite - spare material	m3	247	6,433	10%	643	354	929	48	0	1,974
849	Overhead Traveling Crane / DMF pipe gallery - spare part	pc	1	1,120	10%	112	62	162	8	0	344
850	Back-wash Water Recirculation - Submersible / centrifugal pump - spare part	pc	3	970	10%	97	53	140	7	0	298
851	Knife gate valve / manual - discharge side Back-wash Water Recirculation - spare part	pc	3	173	10%	17	10	25	1	0	53
852	Non return valve - discharge side Back-wash Water Recirculation - spare part	pc	3	147	10%	15	8	21	1	0	45
853	Filter Back-wash Pump 1-3 - spare part	pc	3	11,404	10%	1,140	627	1,646	86	0	3,500
854	Air blower 1-3 - Filter air scouring - spare part	pc	3	3,178	10%	318	175	459	24	0	975
855	Booster pump 1-3 for Fire fighting - spare part	set	3	1,901	10%	190	105	274	14	0	583
856	Booster pumping station for In-plant service water - spare part	set	3	1,901	10%	190	105	274	14	0	583
857	Chlorination Booster pump - spare part	pc	2	248	10%	25	14	36	2	0	76
858	Drainage pump / Back-wash pump station - spare part	pc	2	202	10%	20	11	29	2	0	62
859	Butterfly Valve / motorised - suction side - Filter Back-wash Pump - spare part	pc	3	4,944	10%	494	272	714	37	0	1,517
860	Check valve - discharge side - Filter Back-wash Pump - spare part	pc	3	4,079	10%	408	224	589	31	0	1,252
861	Butterfly Valve / motorised - discharge side - Filter Back-wash Pump - spare part	pc	3	2,580	10%	258	142	372	19	0	792
862	Butterfly Valve / motorised - by-pass pipe - Filter back-wash - rinsing - spare part	pc	1	349	10%	35	19	50	3	0	107
863	Butterfly Valve / motorised - connection - Dual Media Filter - Phase-1 - spare part	pc	1	1,646	10%	165	91	238	12	0	506
864	Butterfly Valve / motorised - discharge side - Air blower 1-3 - spare part	pc	3	979	10%	98	54	141	7	0	300
865	Butterfly Valve / motorised - connection - Dual Media Filter - Phase-1 - spare part	pc	1	447	10%	45	25	65	3	0	137
866	Solenoid valve / Air header - pressure release - spare part	pc	1	14	10%	1	1	2	0	0	4
867	Knife Gate valve / manual - outlet - Drainage pump 1-2 - spare part	pc	2	35	10%	4	2	5	0	0	11
868	Non return valve - outlet - Drainage pump 1-2 - spare part	pc	2	23	10%	2	1	3	0	0	7

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/Gfund 5%	Imp. VAT 12.5%	EXIMI Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
869	Valves for Fire fighting booster station - spare part	set	1	828	10%	83	46	120	6	0	254
870	Valves for In-plant service water booster station - spare part	set	1	551	10%	55	30	80	4	0	169
871	Valves for Chlorination water booster pumps - spare part	set	1	416	10%	42	23	60	3	0	128
872	Overhead Traveling Crane / Back-wash water Pump house - spare part	set	1	1,732	10%	173	95	250	13	0	532
873	Penstock / motorised - Inlet - clear water tank - spare part	pc	2	1,657	10%	166	91	239	12	0	508
874	Butterfly Valve / motorised / with spindle extension, - spare part	pc	2	6,021	10%	602	331	869	45	0	1,848
875	Gate valve / manually - drain - Clear water tank - spare part	pc	2	58	10%	6	3	8	0	0	18
876	Set of valves sampling - spare part	set	1	118	10%	12	6	17	1	0	36
877	Vertical pendular mixer - ALU preparation - spare part	pc	3	762	10%	76	42	110	6	0	234
878	ALU dosing - Dosing pump unit - spare part	pc	3	2,476	10%	248	136	357	19	0	760
879	Set of valves - spare part	set	1	1,377	10%	138	76	199	10	0	423
880	Set of piping material and fittings - spare part	set	1	577	20%	115	35	91	4	0	245
881	Overhead Traveling Crane / Chemical building - spare part	pc	1	1,377	10%	138	76	199	10	0	423
882	Safety shower - spare equipment	pc	1	3,464	10%	346	191	500	26	0	1,063
883	Polymer dosing - Polymer preparation- & dosing unit - spare part	pc	2	2,425	10%	243	133	350	18	0	744
884	Polymer dosing - Dosing pump - spare part	pc	2	191	10%	19	11	28	1	0	59
885	Mixer - KMnO4 preparation - spare part	pc	2	260	10%	26	14	38	2	0	80
886	KMnO4 dosing pump - spare part	pc	3	728	10%	73	40	105	5	0	223
887	Set of valves - spare part	set	1	364	10%	36	20	53	3	0	112
888	Chlorine gas scubber with accessories - spare part	set	1	4,148	10%	415	228	599	31	0	1,273
889	Overhead Traveling Crane - spare part	set	1	1,527	10%	153	84	220	11	0	469
890	Vertical pendular mixer - LIME milk preparation - spare part	pc	2	1,010	10%	101	56	146	8	0	310
891	LIME milk transfer pumps - spare part	pc	2	370	10%	37	20	53	3	0	114
892	Vertical pendular mixer - LIME solution preparation - spare part	pc	1	251	10%	25	14	36	2	0	77
893	LIME dosing - Dosing pump unit - spare part	pc	2	1,720	5%	86	90	237	13	0	426
894	Set of valves - spare part	set	1	1,625	10%	163	89	235	12	0	499
895	Submersible mixer - Sludge tank - spare part	pc	1	245	10%	25	13	35	2	0	75
896	Sludge feed pump - spare part	pc	2	843	5%	42	44	116	6	0	209

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
897	Knife Gate valve / manual - suction side - spare part	pc	2	64	10%	6	4	9	0	0	20
898	Non return valve - discharge side - spare part	pc	2	64	10%	6	4	9	0	0	20
899	Knife Gate valve / manual - discharge side - spare part	pc	1	32	10%	3	2	5	0	0	10
900	Overhead traveling crane - spare part	pc	1	635	10%	64	35	92	5	0	195
901	Electrical Equipment & Installation.										
902	Low voltage distribution board - spare part	set	1	21,579	10%	2158	1187	3115	162	0	6,622
903	Power factor compensation unit - spare part	set	1	412	10%	41	23	59	3	0	126
904	Motor control center panels - spare part	set	1	7,318	10%	732	402	1057	55	0	2,246
905	UPS system at relevant connection points for 50KVA generator - spare part	set	1	2,059	5%	103	108	284	15	0	510
906	Building electrical services - spare part	set	1	9,224	20%	1845	553	1453	69	0	3,920
907	Local control panels - spare part	set	1	7,226	20%	1445	434	1138	54	0	3,071
908	Level switch / Level distribution chamber - spare equipment	pc	1	427	20%	85	26	67	3	0	181
909	Level switch / Cascade distribution - spare equipment	pc	1	427	20%	85	26	67	3	0	181
910	Pressure indicator / transmitter / pressure sludge discharge - spare equipment	pc	3	1,736	20%	347	104	273	13	0	738
911	Diaphragm pressure gauge, stainless steel version / service water PS - spare equipment	pc	1	1,402	20%	280	84	221	11	0	596
912	Diaphragm pressure gauge, stainless steel version / service water PS - spare equipment	pc	1	1,402	20%	280	84	221	11	0	596
913	Pressure indicator / transmitter / Sludge pumps - spare equipment	pc	2	1,736	5%	87	91	239	13	0	430
914	New Daboase High Lift Pumping station.										
915	Mechanical Equipment & Installation.										
916	High Lift Water Pump 1-3 - spare part	pc	3	25,418	5%	1271	1334	3503	191	0	6,299
917	Surge Protection unit with accessories / Treated water transmission main - spare part	set	1	13,665	5%	683	717	1883	102	0	3,386
918	Drainage pump / Treated Water Lift Pump house - spare part	pc	2	152	5%	8	8	21	1	0	38
919	Booster pumping station for in-plant drinking water supply - spare part	set	1	679	5%	34	36	94	5	0	168
920	Sample water pump - Treated water - discharge spare equipment	pc	1	4,878	5%	244	256	672	37	0	1,209
921	Butterfly valve / motorised - suction side - spare part	pc	3	3,827	10%	383	210	553	29	0	1,174
922	Check valve - discharge side - Water Pump 1-3 - spare part	pc	3	5,161	10%	516	284	745	39	0	1,584

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
923	Butterfly valve / motorised - discharge side - Water Pump 1-3 - spare part	pc	3	2,352	10%	235	129	340	18	0	722
924	Butterfly valve / manually - connection suction header - spare part	pc	1	3,002	10%	300	165	433	23	0	921
925	Butterfly valve / manually - connection suction header - spare part	pc	1	2,136	10%	214	117	308	16	0	655
926	Butterfly valve / manually - pressure header - spare part	pc	2	4,049	10%	405	223	585	30	0	1,243
927	Butterfly valve / manually - maintenance - Flow meter - spare part	pc	1	1,697	10%	170	93	245	13	0	521
928	Knife Gate valve / manual - outlet - Drainage pump - spare part	pc	2	23	10%	2	1	3	0	0	7
929	Non return valve - outlet - Drainage pump - spare part	pc	2	18	10%	2	1	3	0	0	6
930	Ball valve - inlet - Sample water pump - spare equipment	pc	2	100	10%	10	6	14	1	0	31
931	Valves for Booster pumping station for in-plant drinking water supply - spare part	pc	1	155	10%	16	9	22	1	0	48
932	Ball valve - outlet - PI and PTT connection - spare equipment	pc	7	100	10%	10	6	14	1	0	31
933	Ball valve - inlet - Sample water pump - spare equipment	pc	1	100	10%	10	6	14	1	0	31
934	Butterfly valve / manually - isolation of Drinking Water pumps - spare part	pc	1	70	10%	7	4	10	1	0	21
935	Overhead Traveling Crane / Treated Water Pump house - spare part	set	1	3,060	10%	306	168	442	23	0	939
936	Butterfly valve / manually - connection surge pressure vessel - spare part	pc	1	474	10%	47	26	68	4	0	145
937	Pressure Relief valve - Transmision main - spare part	pc	1	620	10%	62	34	90	5	0	190
938	Air release valve - Transmision main - spare part	pc	1	64	10%	6	4	9	0	0	20
939	Gate valve - Transmision main - spare part	pc	1	44	10%	4	2	6	0	0	14
940	Frequency converter for high lift pumps - spare part	pc	3	24,552	10%	2455	1350	3545	184	0	7,534
941	10KV Cable to Motors from Switchgears to Frequency converters - spare part	set	1	494	10%	49	27	71	4	0	152
942	Pressure indicator / transmitter / pressure clear water pumps - spare equipment	pc	3	880	10%	88	48	127	7	0	270
943	Diaphragm pressure gauge, stainless steel version / pressure clear water pumps - spare equipment	pc	3	711	10%	71	39	103	5	0	218

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CFE (EURO)	I/D Rate	Imp. Duty	Nhil/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
944	Water meter / water meter drinking water pumps - spare equipment	pc	1	204	10%	20	11	29	2	4	67
945	Telemetry and SCADA										
946	SCADA connection to River Intake.										
947	PLC Switchgear including Monitor, FOC Switch and UPS system - spare part	set	1	1,707	5%	85	90	235	13	0	423
948	Automation and SCADA for WTP Dabbase.										
949	PLC Switchgear with 17" Monitor incl FOC Switch and UPS - spare part	set	2	10,840	5%	542	569	1494	81	0	2,686
950	Bulk power supply and electrical installation.										
951	DABBASE DWTP POWER SUPPLY.										
952	Line Disconnector Switch with fuse for pole for connection to 34.5KV line - spare part	set	1	565	5%	28	30	78	4	0	140
953	34.5KV Electrical Substation - spare part	set	1	10,505	5%	525	552	1448	79	0	2,603
954	10KV Electrical Substation - spare part	set	1	31,711	5%	1586	1665	4370	238	0	7,858
955	Caterpillar's Crane, max. load 110 to	pcs	2	2,466,000	5%	123300	0	0	18495	0	141,795
956	Tower Swing Crane, max. load 4.5 to	pcs	4	2,000,000	5%	100000	0	0	15000	0	115,000
957	Mobil Construction Crane, max. load 8.0 to	pcs	1	900,000	5%	45000	0	0	6750	0	51,750
958	Internal vibrator electric drive, 42V, L=400mm, Dia= 57mm	pcs	8	7,792	5%	390	0	0	58	0	448
959	Transformer for 3 el. Vibrators, 400V/42V, 3.8kVA	pcs	4	7,148	5%	357	0	0	54	0	411
960	Rough terrain crane, 15KX2.0m=30tm; Hmax=18.8m	pcs	3	600,000	5%	30000	0	0	4500	0	34,500
961	Rough terrain crane, 35KX3.0m=105tm; Hmax=31.2m	pcs	2	802,500	5%	40125	0	0	6019	0	46,144
962	Concrete skip, V=750L	pcs	3	2,595	5%	130	0	0	19	0	149
963	Fork lift, 4.0t, 55.5kW	pcs	2	149,400	5%	7470	0	0	1121	0	8,591
964	Hydraulic excavator, 122kW; bucket V=1.60m ³	pcs	3	1,038,504	5%	51925	0	0	7789	0	59,714
965	Hydraulic excavator, 175kW; bucket V=2.00m ³	pcs	2	1,003,000	5%	50150	0	0	7523	0	57,673
966	Hydraulic wheel excavator, 105kW; bucket V=0.90m ³	pcs	1	287,820	5%	14391	0	0	2159	0	16,550
967	Hydraulic wheel excavator, 126kW; bucket V=1.60m ³	pcs	2	701,608	5%	35080	0	0	5262	0	40,342
968	Ditch bucket, V=0.35m ³ , W=1.5m	pcs	1	3,630	5%	182	0	0	27	0	209
969	Backhoe loader, 82kW; 4x4, V=1.0/0.3m ³	pcs	1	176,800	5%	8840	0	0	1326	0	10,166
970	Wheel loader, 72kW; V=1.5m ³	pcs	2	208,900	5%	10445	0	0	1567	0	12,012

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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971	Wheel loader: 114KW, V=2.1m3	pcs	2	336,500	5%	16825	0	0	2524	0	19,349
972	Dozer & Blade: 154KW, SU=5.3m3	pcs	1	443,688	5%	22184	0	0	3328	0	25,512
973	Tandem vibratory roller: 3.30t, W=1.00m	pcs	1	53,640	5%	2682	0	0	402	0	3,084
974	Vibratory trench roller: 1.60t, W=0.61m	pcs	2	70,512	5%	3526	0	0	529	0	4,054
975	Vibratory reversible plate: 210kg, W=0.42m	pcs	4	32,960	5%	1648	0	0	247	0	1,895
976	Vibratory tamper with petrol engine: 68kg, W=0.28m	pcs	2	6,280	5%	314	0	0	47	0	361
977	Bitumen sprayer: 5.9KW, V=250L	pcs	1	11,525	5%	576	0	0	86	0	663
978	Joint cutter, cutting depth 0.24m	pcs	1	9,380	5%	469	0	0	70	0	539
979	Milling machine with belt conveyor, mill W=0.5m, mill D=0.16m	set	1	176,200	5%	8810	0	0	1322	0	10,132
980	Hydraulic jack hammer for excavator 18-30t	pcs	1	52,820	5%	2641	0	0	396	0	3,037
981	Trench cutting machine w. chain, W=70-450mm, D=0.3-1.5m	set	1	160,000	5%	8000	0	0	1200	0	9,200
982	Pressure testing instrument w. pump	set	2	24,860	5%	1243	1305	3426	186	497	6,658
983	Tippertruck 3-way, 4x2, 10t	pcs	1	100,920	5%	5046	5298	13908	757	2018	27,028
984	Diesel Tanker, 4x2, 10m3	pcs	1	142,047	5%	7102	7457	19576	1065	2841	38,042
985	Water Tanker, 6x4, 20m3	pcs	1	155,000	5%	7750	8138	21361	1163	3100	41,511
986	Dump truck, 6x4, 25.0t, 230KW	pcs	3	388,500	5%	19425	20396	53540	2914	7770	104,045
987	Loading crane on truck: 10.0t	pcs	1	295,960	5%	14798	15538	40787	2220	5919	79,262
988	Primerover, 4x2	pcs	1	110,000	5%	5500	0	0	825	0	6,325
989	Semi- platform trailer, 3 axles, 30t/36t	pcs	1	47,629	5%	2381	0	0	357	0	2,739
990	Mobile compressor, 5.3m3/min, 7Bar	set	1	23,530	5%	1177	0	0	176	0	1,353
991	Jack hammer, 19.0kg, 1.5m3/min	pcs	1	1,510	5%	76	0	0	11	0	87
992	Generator, 5.0kVA, 220-240V, 50Hz, 1500RPM	pcs	1	2,670	5%	134	140	368	20	0	662
993	Generator, P11-6S, 11kVA, 220-240V, 50Hz, 1500RPM	pcs	1	9,260	5%	463	486	1276	69	0	2,295
994	Generator, 22kVA, 380-415V, 50Hz, 1500RPM	pcs	1	11,033	5%	552	579	1520	83	0	2,734
995	Generator, 110kVA, 380-415V, 50Hz, 1500RPM	pcs	1	21,808	5%	1090	1145	3005	164	0	5,404
996	Ballonlight, 2500W, 5.5 KVA	pcs	5	28,000	5%	1400	1470	3859	210	0	6,939
997	Submersible pump, Q=50l/s at H=10m, 10.0KW	pcs	2	17,400	5%	870	914	2398	131	0	4,312
998	PE pipe welding machine, dia=90-355mm, 2.5KW	pcs	1	9,822	5%	491	0	0	74	0	565
999	PE pipe welding machine, dia=200-630mm, 8.0KW	pcs	1	22,671	5%	1134	0	0	170	0	1,304

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

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1000	PE pipe welding machine: dia=500-800mm, 12.0KW	pcs	1	45,352	5%	2268	0	0	340	0	2,608
1001	Chain saw, cut length 0.75m	pcs	5	8,355	5%	418	0	0	63	0	480
1002	Reinforcement cutting machine	pcs	2	19,200	5%	960	0	0	144	0	1,104
1003	Reinforcement bending machine	pcs	2	41,200	5%	2060	0	0	309	0	2,369
1004	Survey equipment: 1x 20'	pcs	1	45,000	5%	2250	0	0	338	0	2,588
1005	Multi meter for pH and O2 incl pH probe	pcs	1	1,434	5%	72	0	0	11	0	82
1006	Dissolved Oxygen probe	pcs	1	843	5%	42	0	0	6	0	48
1007	Free Chlorine portable Photometer	pcs	1	2,480	5%	124	0	0	19	0	143
1008	Low voltage insulation megger	set	1	1,000	5%	50	0	0	8	0	58
1009	Medium voltage insulation megger	set	1	2,000	5%	100	0	0	15	0	115
1010	Hydraulic cable lug press	set	1	500	5%	25	0	0	4	0	29
1011	Hydraulic hole puncher	set	1	1,000	5%	50	0	0	8	0	58
1012	Digital Multimeter	set	1	800	5%	40	0	0	6	0	46
1013	Clamp on Ammeter	set	1	800	20%	160	48	126	6	16	356
1014	Bot welding machine	set	1	1,500	5%	75	0	0	11	0	86
1015	MIG and TIG Welding Machines	set	8	16,000	5%	800	0	0	120	0	920
1016	Angular cutting machine	set	8	3,200	5%	160	0	0	24	0	184
1017	Drilling machine	set	8	3,200	5%	160	0	0	24	0	184
1018	Portable turbimeter	set	1	1,869	5%	93	0	0	14	0	107
1019											
1020	Stuart Flocculator with 6 rotators (without beakers)	Set	1	7,522	5%	376	395	1037	56	150	2,014
1021	Pyrex beakers tall form 1 litre	Set	1	95	5%	5	5	13	1	2	25
1022	Distilled Water Plant, Water still 4l/hr	Set	1	4,280	5%	214	225	590	32	86	1,146
1023	DR 6000 UV VIS Spectrophotometer with RFID technology	Set	1	16,347	5%	817	858	2253	123	327	4,378
1024	DR 3900 UV VIS Spectrophotometer with RFID technology	Set	1	7,861	5%	393	413	1083	59	157	2,105
1025	Bench top TU5200 laser turbidimeter 0-1000 ISO version without RFID	Set	2	14,790	5%	740	776	2038	111	296	3,961
1026	Portable Turbidimeter 2100Q EPA	Set	2	5,548	5%	277	291	765	42	111	1,486
1027	Sample Cell with cap 1 inch for 2100P/2100Q	Set	3	267	5%	13	14	37	2	5	72
1028	SensiON + pH1 basic pH meter field kit with electrode, case and standards	Set	2	1,858	5%	93	98	256	14	37	498
1029	HQ411D laboratory digital pH meter with probe and holder	Set	2	2,866	5%	143	150	395	21	57	768
1030	Intellical Gel filled combination pH probe 1 m cable PHC10101	Set	3	2,073	5%	104	109	286	16	41	555

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1031	Sension+EC7 laboratory conductivity meter lab kit with 50/70 cell stirrer stand buffer and cal beaker set	Set	1	1,368	5%	68	72	189	10	27	366
1032	Sension+EC5 conductivity meter conductivity field kit with 5060 electrodes	Set	1	1,060	5%	53	56	146	8	21	284
1033	HQ430d, digital multimeter, benchtop, one channel pH, ORP/Conductivity/DO(LDO) meter with probe	Set	1	1,937	5%	97	102	267	15	39	519
1034	Intellical gel ORP probe 3 m cable	Pcs	2	2,290	5%	115	120	316	17	46	613
1035	Dissolved Oxygen meter FiveGo Standard kit with LE621 Sensor	Set	2	7,090	5%	355	372	977	53	142	1,899
1036	Handheld colourimeter II Chlorine free + total	Set	2	6,074	5%	304	319	837	46	121	1,627
1037	Chlorine, free, PP, 0-2.00 mg/L 10 ml sample; 100/pkg; DPD-method	Set	5	1,015	5%	51	53	140	8	20	272
1038	Chlorine, total, PP, 0-2.00 mg/L 10 ml sample; 100/pkg; DPD method	Set	5	1,015	5%	51	53	140	8	20	272
1039	DRB 200-1 Dry thermostat with 1 block COD reactor	Set	1	1,614	5%	81	85	222	12	32	432
1040	COD vials low range 0-150 mg/l	Set	3	459	5%	23	24	63	3	9	123
1041	COD vials high range 0-1500 mg/l	Set	3	459	5%	23	24	63	3	9	123
1042	COD vials high range 0-15000 mg/l	Set	3	459	5%	23	24	63	3	9	123
1043	Incubator digital 30 litres	Set	1	2,860	5%	143	150	394	21	57	766
1044	Incubator digital 50 litre	Set	1	2,407	5%	120	126	332	18	48	645
1045	Incubator CO2 190L touch screen model	Set	3	30,090	5%	1505	1580	4147	226	602	8,058
1046	Thermometer red spirit filled, -50 to 50° C X 1.0° C, 76mm, immersion with certificate	Set	10	2,360	5%	118	124	325	18	47	632
1047	Labcold Sparkfree fridge 49 litre capacity benchtop lockable 0 - +10 degree C	Set	1	887	5%	44	47	122	7	18	238
1048	Labcold sparkfree fridge freezer 230 litres + 160 litres	Set	1	1,193	5%	60	63	164	9	24	320
1049	MS-H-S Analogue stainless steel round hotplate/stirrer	Set	2	1,380	5%	69	72	190	10	28	370
1050	Waterbath WNB10 10litre +10degc - +95 degC	Set	1	899	5%	45	47	124	7	18	241
1051	Oven general purpose, digital 50litre	Set	1	2,611	20%	522	157	411	20	52	1,162
1052	Bunsen burner 11mm natural gas	Set	10	410	5%	21	22	57	3	8	110
1053	Balance, Precision, CHAUS PA423, 420g X 1mg	Pcs	2	3,110	5%	156	163	429	23	62	833
1054	Autoclave swiftlock front loading 247l	Pcs	2	61,278	5%	3064	3217	8445	460	1226	16,411
1055	Waiting single speed 1 litre blender, stainless steel container	Pc	1	713	5%	36	37	98	5	14	191

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1056	Socorex Casibrex 520 Adjustable bottle top dispenser volume 0.25ml - 2 ml	Pcs	2	1,854	5%	93	97	256	14	37	497
1057	Trinocular routine microscope B-290 Series	Pc	1	1,810	5%	91	95	249	14	36	485
1058	Stuart colony counter advanced 3 x magnifier	Pc	1	1,767	5%	88	93	244	13	35	473
1059	Test tube rack s/s 12 hole x 32mm	Pcs	10	2,980	5%	149	156	411	22	60	798
1060	Culture tube Pyrex x screw cap 22 x 200mm	Set	5	6,330	5%	317	332	872	47	127	1,695
1061	Test tube stand nylon coated 4x6 13mm	Pcs	10	300	5%	15	16	41	2	6	80
1062	Spirit burner, safety	Pcs	6	246	5%	12	13	34	2	5	66
1063	Pipette bulb grade b 10ml	Pcs	5	185	5%	9	10	25	1	4	50
1064	Pipette bulb grade b 5ml	Pcs	5	150	5%	8	8	21	1	3	40
1065	Pipette bulb grade b 1ml	Pcs	5	125	5%	6	7	17	1	3	33
1066	Pipette bulb grade b 25ml	Pcs	5	260	5%	13	14	36	2	5	70
1067	Pipette bulb grade b 50ml	Pcs	5	300	5%	15	16	41	2	6	80
1068	Pipette controller bibbette plain	Pcs	5	670	5%	34	35	92	5	13	179
1069	Pipette controller bibbette plain	Pcs	5	670	5%	34	35	92	5	13	179
1070	Pipette filler rubber 3 valve red	Pcs	5	60	5%	3	3	8	0	1	16
1071	Membrane Circles, Cellulose Nitrate, White Gridded, Sterile 0.45µm 47mm 100/pk	Set	10	7,190	5%	360	377	991	54	144	1,926
1072	Inoculating needle, sterile, rigid	Set	5	595	5%	30	31	82	4	12	159
1073	Petri dish glass 100 x 15mm pk 18	Set	5	225	5%	11	12	31	2	5	60
1074	90 mm Petri dish sterile sleeve case of 500	Set	5	895	5%	45	47	123	7	18	240
1075	Steriplan Petri dish, 100 x 15mm soda lime - glass Pack of 10	Set	5	75	5%	4	4	10	1	2	20
1076	Test tube sds w/rim 125x18mm	Set	5	1,555	5%	78	82	214	12	31	416
1077	CP Surechem 2.5 litres	Liter	4	2,692	5%	135	141	371	20	54	721
1078	Mac-Conkey Broth 500g oxid	Set	5	640	5%	32	34	88	5	13	171
1079	E.C. Broth 500g Oxid	Set	5	665	5%	33	35	92	5	13	178
1080	Brilliant green bile 2% Broth 500g Oxid	Set	5	680	5%	34	36	94	5	14	182
1081	Peptone water oxid 500 g	Set	5	415	5%	21	22	57	3	8	111
1082	Reagent indole-kovacs oxid 500 g	Set	5	300	5%	15	16	41	2	6	80
1083	Mac-Conkey Agar 500g Oxid	Set	5	640	5%	32	34	88	5	13	171
1084	Nutrient Agar 500g Oxid	Set	5	730	5%	37	38	101	5	15	196
1085	Chromocult Agar 500 g	Set	5	4,230	5%	212	222	583	32	85	1,133
1086	Brilliance E Coil/Coliform Medium 500g Oxid	Set	1	2,589	5%	129	136	357	19	52	693
1087	Pump, pressure vacuum, 5 litres	Set	1	922	5%	46	48	127	7	18	247
1088	Forceps blunt 125mm	Set	1	23	5%	1	1	3	0	0	6
1089	UV lamp 6w 254nm fit 50x150mm	Set	1	344	5%	17	18	47	3	7	92

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1090	3-Branch manifold system 3 + 100ml funnels + Frit for 47 mm filter +	Set	1	3,485	5%	174	183	480	26	70	933
1091	tubing red rubber 10 x 2	Set	2	30	5%	2	2	4	0	1	8
1092	Cotton wool non absorbent white	Pcs	6	48	5%	2	3	7	0	1	13
1093	Gloves, nitrile, clear, medium	Set	5	685	5%	34	36	94	5	14	183
1094	Spatula chattaway stainless steel 100mm	Pcs	5	110	5%	6	6	15	1	2	29
1095	Spatula spoon end stainless steel 120mm	Pcs	5	150	5%	8	8	21	1	3	40
1096	Stopwatch digital 8,2mm display	Pcs	5	75	5%	4	4	10	1	2	20
1097	Forceps fine point straight 125mm	Pcs	3	234	5%	12	12	32	2	5	63
1098	Clamp 3 prong alloy rubber covered jaws	Pcs	10	300	5%	15	16	41	2	6	80
1099	Beaker tongs fisher pattern	Pcs	10	1,430	5%	72	75	197	11	29	383
1100	Tripod stand iron rod 125mm	Pcs	6	90	5%	5	5	12	1	2	24
1101	Gauze ceramic centre 15x15cm	Pcs	10	190	20%	38	11	30	1	4	85
1102	Bottles graduated cap & pouring ring 250ml	Pcs	4	112	20%	22	7	18	1	2	50
1103	Bottles graduated cap & pouring ring 500ml	Pcs	4	112	20%	22	7	18	1	2	50
1104	Bottles graduated cap & pouring ring 1000ml	Pcs	4	112	20%	22	7	18	1	2	50
1105	Bottles media lab amber w/o cap 250ml	Pcs	2	58	20%	12	3	9	0	1	26
1106	Bottles media lab amber w/o cap 500ml	Pcs	4	112	20%	22	7	18	1	2	50
1107	Bottles media lab amber w/o cap 1000ml	Pcs	4	112	20%	22	7	18	1	2	50
1108	Bottles media universal w/m with all cap 28ml	Pcs	4	112	20%	22	7	18	1	2	50
1109	Bottles clear s/shoulder bscap 500ml	Pcs	4	112	20%	22	7	18	1	2	50
1110	Bottles amber s/shoulder bscap 500ml	Pcs	4	112	20%	22	7	18	1	2	50
1111	Bottle reagent clear wide mouth stoppered 500ml	Pcs	4	112	20%	22	7	18	1	2	50
1112	Bottles wash pe 500ml	Pcs	4	112	20%	22	7	18	1	2	50
1113	Sample cell, 1-inch pk/2	Pcs	4	112	5%	6	6	15	1	2	30
1114	Pyrex beaker low form with spout 1ltr	Pcs	5	140	5%	7	7	19	1	3	37
1115	Pyrex beaker low form with spout 500ml	Pcs	5	140	5%	7	7	19	1	3	37
1116	Pyrex beaker low form with spout 250ml	Pcs	5	140	5%	7	7	19	1	3	37
1117	Pyrex beaker low form with spout 100ml	Pcs	5	140	5%	7	7	19	1	3	37
1118	Pyrex beaker low form with spout 50ml	Pcs	5	140	5%	7	7	19	1	3	37
1119	Boiling flask flat bottom 500ml Pyrex	Pcs	4	112	5%	6	6	15	1	2	30
1120	Flask round bottom narrow neck Pyrex 500ml	Pcs	4	112	5%	6	6	15	1	2	30
1121	Erlenmeyer flask wide neck 250ml simax	Pcs	4	112	5%	6	6	15	1	2	30
1122	Erlenmeyer flask normal neck 250ml Pyrex	Pcs	4	112	5%	6	6	15	1	2	30
1123	Erlenmeyer flask normal neck 1ltr Pyrex	Pcs	4	112	5%	6	6	15	1	2	30
1124	Erlenmeyer flask normal neck 100ml Pyrex	Pcs	4	112	5%	6	6	15	1	2	30

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1125	Flask volumetric boro class a 250ml	Pcs	5	140	5%	7	7	19	1	3	37
1126	Flask volumetric boro class a 500ml	Pcs	5	140	5%	7	7	19	1	3	37
1127	Flask volumetric boro class a 1000ml	Pcs	10	280	5%	14	15	39	2	6	75
1128	Volumetric flask class b mbl 2000ml	Pcs	10	280	5%	14	15	39	2	6	75
1129	Flask volumetric boro class a 100ml	Pcs	6	168	5%	8	9	23	1	3	45
1130	Flask volumetric boro class a 50ml	Pcs	6	168	5%	8	9	23	1	3	45
1131	Pipette bulb soda glass as 5ml	Pcs	10	280	5%	14	15	39	2	6	75
1132	Pipette bulb soda glass as 10ml	Pcs	10	280	5%	14	15	39	2	6	75
1133	Pipette bulb soda glass as 25ml	Pcs	10	280	5%	14	15	39	2	6	75
1134	Pipette bulb soda glass as 50ml	Pcs	10	280	5%	14	15	39	2	6	75
1135	Pipette graduated class b 1ml type 1	Pcs	10	280	5%	14	15	39	2	6	75
1136	Pipette graduated class b 2ml type 1	Pcs	10	280	5%	14	15	39	2	6	75
1137	Pipette graduated class b 5ml type 1	Pcs	10	280	5%	14	15	39	2	6	75
1138	Pipette graduated class b 10ml type 1	Pcs	10	280	5%	14	15	39	2	6	75
1139	Pipette graduated class b 25ml type 1	Pcs	10	280	5%	14	15	39	2	6	75
1140	Liquipette 152mm sterile grad pe	Pcs	10	280	5%	14	15	39	2	6	75
1141	Liquipette 152mm graduated pe	Pcs	10	280	5%	14	15	39	2	6	75
1142	Pipette 1ml single wrap	Pcs	20	560	5%	28	29	77	4	11	150
1143	Pipette 5ml single wrap & suction	Pcs	20	560	5%	28	29	77	4	11	150
1144	Measuring Cylinder 5ml	Pcs	10	280	5%	14	15	39	2	6	75
1145	Measuring Cylinder 10ml	Pcs	10	280	5%	14	15	39	2	6	75
1146	Measuring Cylinder 25ml	Pcs	10	280	5%	14	15	39	2	6	75
1147	Measuring Cylinder 50ml	Pcs	10	280	5%	14	15	39	2	6	75
1148	Measuring Cylinder 100ml	Pcs	10	280	5%	14	15	39	2	6	75
1149	Measuring Cylinder 250ml	Pcs	10	280	5%	14	15	39	2	6	75
1150	Measuring Cylinder 500ml	Pcs	10	280	5%	14	15	39	2	6	75
1151	Measuring Cylinder 1000ml	Pcs	10	280	5%	14	15	39	2	6	75
1152	Measuring Cylinder Pp moulded azlon 10ml	Pcs	10	280	5%	14	15	39	2	6	75
1153	Measuring Cylinder Pp moulded azlon 25ml	Pcs	10	280	5%	14	15	39	2	6	75
1154	Measuring Cylinder Pp moulded azlon 50ml	Pcs	10	280	5%	14	15	39	2	6	75
1155	Measuring Cylinder Pp moulded azlon 100ml	Pcs	10	280	5%	14	15	39	2	6	75
1156	Measuring Cylinder Pp moulded azlon 250ml	Pcs	10	280	5%	14	15	39	2	6	75
1157	Measuring Cylinder Pp moulded azlon 500ml	Pcs	10	280	5%	14	15	39	2	6	75
1158	Measuring Cylinder Pp moulded azlon 1000ml	Pcs	10	490	5%	25	26	68	4	10	131
1159	Burette single bore 10ml class as pte key Pyrex	Pcs	5	140	5%	7	7	19	1	3	37

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1160	Burette single bore 25ml class as pte key Pyrex	Pcs	5	140	5%	7	7	19	1	3	37
1161	Burette single bore 50ml class as pte key Pyrex	Pcs	5	140	5%	7	7	19	1	3	37
1162	Burette single bore 50ml class as pte key Pyrex	Pcs	5	140	5%	7	7	19	1	3	37
1163	Burette auto zero 10ml	Pcs	5	140	5%	7	7	19	1	3	37
1164	30ml digital burette VWR	Pcs	5	140	5%	7	7	19	1	3	37
1165	Funnel glass Pyrex short stem 45mm dia	Pcs	5	140	5%	7	7	19	1	3	37
1166	Funnel glass Pyrex short stem 125mm dia	Pcs	5	140	5%	7	7	19	1	3	37
1167	Funnels analytical PP 65mm dia	Pcs	5	140	5%	7	7	19	1	3	37
1168	Funnel analytical PP 150mm dia	Pcs	5	140	5%	7	7	19	1	3	37
1169	Test tube Soda Rimmed 50x10 pk 250	Pcs	6	168	5%	8	9	23	1	3	45
1170	Test tube Soda Rimmed 75x12 pk 100	Pcs	6	168	5%	8	9	23	1	3	45
1171	Test tube Soda Rimmed 100x16 pk 100	Pcs	6	168	5%	8	9	23	1	3	45
1172	Test tube Soda Rimmed 125x16 pk 100	Pcs	6	168	5%	8	9	23	1	3	45
1173	Test tube Soda Rimmed 150x16 pk 100	Pcs	6	186	5%	9	10	26	1	4	50
1174	Desiccator glass knob lid ZN Disc 200mm chems and reagent.	Pcs	6	3,348	5%	167	176	461	25	67	897
1175	Hydrochloric acid cp 36% Surechem	Set	5	315	5%	16	17	43	2	6	84
1176	Ammonia solution sg 0.91 AR Surechem	Set	5	315	5%	16	17	43	2	6	84
1177	Sodium Hydroxide E pellets AR Surechem	Set	4	252	5%	13	13	35	2	5	67
1178	Sodium hydroxide 0.1m (0.1n) Surechem	Set	4	252	5%	13	13	35	2	5	67
1179	Manganese chloride 6-hydrate AR Surechem	Set	4	252	5%	13	13	35	2	5	67
1180	Ammonium chloride ar Surechem.	Set	2	126	5%	6	7	17	1	3	34
1181	Sodium Thiosulphate 5-hydrate AR Surechem	Set	2	126	5%	6	7	17	1	3	34
1182	Ethylenediamine-n,n,n',n'tetra-acetic acid cp Surechem	Set	5	315	5%	16	17	43	2	6	84
1183	Silver nitrate 0.1m Surechem	Set	4	252	5%	13	13	35	2	5	67
1184	Silver nitrate ar Surechem	Set	4	252	5%	13	13	35	2	5	67
1185	Sodium fluoride cp Surechem	Set	2	126	5%	6	7	17	1	3	34
1186	Sulphuric acid 95% ar Surechem	Set	4	376	5%	19	20	52	3	8	101
1187	Potassium chloride ar Surechem	Set	5	315	5%	16	17	43	2	6	84
1188	Potassium dichromate cp Surechem	Set	3	189	5%	9	10	26	1	4	51
1189	Ammonium nitrate ar Surechem	Set	3	189	5%	9	10	26	1	4	51
1190	Potassium iodide cp Surechem	Set	3	189	5%	9	10	26	1	4	51
1191	Potassium iodate cp Sureche	Set	3	189	5%	9	10	26	1	4	51

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhil/ 5%	Gfund	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
1192	Potassium Permanganate, crystal	Set	3	189	5%	9	10	10	26	1	4	51
1193	Sodium nitrate cp Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1194	Starch indicator solution, 1 L	Set	3	189	5%	9	10	10	26	1	4	51
1195	STARCH soluble CP Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1196	ZINC powder CP Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1197	Nitric acid ar Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1198	Sulphanilic acid tech Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1199	Ammonium sulphate cp Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1200	Calcium carbonate precipitated CP Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1201	Calcium chloride 2-hydrate CP Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1202	Zinc chloride Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1203	Potassium chromate cp Surechem	Set	3	189	5%	9	10	10	26	1	4	51
1204	Phenolphthalein acs. reag. Ph. EU	Set	5	90	5%	5	5	5	12	1	2	24
1205	Methyl orange Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1206	Methyl red Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1207	Bromothymol blue pH Indicator Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1208	Thymol blue Free acid Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1209	Phenol red Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1210	Buffer, Powder pillow, ph 7.00; yellow color code; PK/250	Set	5	90	5%	5	5	5	12	1	2	24
1211	Buffer, Powder pillow, ph 4.01; red color code; PK/250	Set	5	90	5%	5	5	5	12	1	2	24
1212	Buffer, Powder pillow, ph 10.00; blue color code	Set	5	90	5%	5	5	5	12	1	2	24
1213	Universal indicator ph4 - 11 Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1214	Methyl red Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1215	Cresol Red pH Indicator Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1216	Free Chlorine Reagent Powder Pillows, DPD (PK/100)	Set	10	180	5%	9	9	9	25	1	4	48
1217	Ammonia buffer solution for complexometry (Ammonium Chloride/ammonia)Ph= 10-11	Set	2	60	5%	3	3	3	8	0	1	16
1218	Eriochrome black t (c.i. 14645) Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1219	Murexide c.i. 56085 Surechem	Set	5	90	5%	5	5	5	12	1	2	24
1220	Lovibond comparator 2000+	Set	3	216	5%	11	11	11	30	2	4	58
1221	Nessleriser 2150 complete	Set	3	8,754	5%	438	460	460	1206	66	175	2,344
1222	Comparator system 2000 disc hazen 0-30m	Set	3	1,185	5%	59	62	62	163	9	24	317
1223	Comparator system 2000 disc hazen 30-70m	Set	3	1,185	5%	59	62	62	163	9	24	317
1224	Nsb hazen scale disc	Set	3	1,185	5%	59	62	62	163	9	24	317

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhili/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
1192	Potassium Permanganate, crystal	Set	3	189	5%	9	10	26	1	4	51
1193	Sodium nitrate cp Surechem	Set	3	189	5%	9	10	26	1	4	51
1194	Starch indicator solution, 1 L	Set	3	189	5%	9	10	26	1	4	51
1195	STARCH soluble CP Surechem	Set	3	189	5%	9	10	26	1	4	51
1196	ZINC powder CP Surechem	Set	3	189	5%	9	10	26	1	4	51
1197	Nitric acid ar Surechem	Set	3	189	5%	9	10	26	1	4	51
1198	Sulphanilic acid tech Surechem	Set	3	189	5%	9	10	26	1	4	51
1199	Ammonium sulphate cp Surechem	Set	3	189	5%	9	10	26	1	4	51
1200	Calcium carbonate precipitated CP Surechem	Set	3	189	5%	9	10	26	1	4	51
1201	Calcium chloride 2-hydrate CP Surechem	Set	3	189	5%	9	10	26	1	4	51
1202	Zinc chloride Surechem	Set	3	189	5%	9	10	25	1	4	51
1203	Potassium chromate cp Surechem	Set	3	189	5%	9	10	26	1	4	51
1204	Phenolphthalein acs. reag. Ph. Eu	Set	5	90	5%	5	5	12	1	2	24
1205	Methyl orange Surechem	Set	5	90	5%	5	5	12	1	2	24
1206	Methyl red Surechem	Set	5	90	5%	5	5	12	1	2	24
1207	Bromothymol blue pH Indicator Surechem	Set	5	90	5%	5	5	12	1	2	24
1208	Thymol blue Free acid Surechem	Set	5	90	5%	5	5	12	1	2	24
1209	Phenol red Surechem	Set	5	90	5%	5	5	12	1	2	24
1210	Buffer, Powder pillow, ph 7.00; yellow color code; pk/250	Set	5	90	5%	5	5	12	1	2	24
1211	Buffer, Powder pillow, ph 4.01; red color code; pk/250	Set	5	90	5%	5	5	12	1	2	24
1212	Buffer, Powder pillow, ph 10.00; blue color code	Set	5	90	5%	5	5	12	1	2	24
1213	Universal indicator ph4 - 11 Surechem	Set	5	90	5%	5	5	12	1	2	24
1214	Methyl red Surechem	Set	5	90	5%	5	5	12	1	2	24
1215	Cresol Red pH Indicator Surechem	Set	5	90	5%	5	5	12	1	2	24
1216	Free Chlorine Reagent Powder Pillows, DPD (pk/100)	Set	10	180	5%	9	9	25	1	4	48
1217	Ammonia buffer solution for complexometry (Ammonium Chloride/ammonia)Ph= 10-11	Set	2	60	5%	3	3	8	0	1	16
1218	Eriochrome black t (c.i. 14645) Surechem	Set	5	90	5%	5	5	12	1	2	24
1219	Murexide c.i. 56085 Surechem	Set	5	90	5%	5	5	12	1	2	24
1220	Lowibond comparator 2000+	Set	3	216	5%	11	11	30	2	4	58
1221	Nessleriser 2150 complete	Set	3	8,754	5%	438	460	1206	66	175	2,344
1222	Comparator system 2000 disc hazen 0-30m	Set	3	1,185	5%	59	62	163	9	24	317
1223	Comparator system 2000 disc hazen 30-70m	Set	3	1,185	5%	59	62	163	9	24	317
1224	Nsb hazen scale disc	Set	3	1,185	5%	59	62	163	9	24	317

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	ClF (EURO)	I/D Rate	Imp. Duty	Nhil/Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
1225	Comparator system 2000 disc bromothymol blue	Set	3	1,185	5%	59	62	163	9	24	317
1226	2/1a thymol blue disc	Set	3	1,185	5%	59	62	163	9	24	317
1227	Comparator 2000 disc 2/1	Set	3	1,185	5%	59	62	163	9	24	317
1228	Comparator system 2000 disc methyl red	Set	3	1,185	5%	59	62	163	9	24	317
1229	Comparator system 2000 disc chlorine total	Set	3	1,185	5%	59	62	163	9	24	317
1230	Dip ph tester checker 1 0-14phx0 01	Set	3	135	5%	7	7	19	1	3	36
1231	Chlorine, total PP: 100/pkg (DPD) 25 ml sample	Set	3	111	0%	0	6	15	1	2	23
1232	Chlorine, free PP: 100/pkg (DPD) 25 ml sample	Set	3	111	0%	0	6	15	1	2	23
1233	Ferroyer Iron Reagent Powder Pillows, 0.02-3.00mg/L. Fe	Set	6	240	0%	0	12	32	2	5	50
1234	Nitrate: PP: 0-0.50 mg/l: 100/pkg nitriver 3: 25 ml sample: (Cd-Red)	Set	6	240	0%	0	12	32	2	5	50
1235	Nitriver 5 Nitrate Reagent Powder Pillows, 0.110mg/L NO3-N	Set	6	240	0%	0	12	32	2	5	50
1236	Cuver 1 Copper Reagent Powder Pillows, 0.045.00mg/L Cu	Set	6	240	0%	0	12	32	2	5	50
1237	Sulfate: sulfaver 4 Reagent: PP 2-70 mg/L: 25 ml sample: 100/pkg	Set	6	240	0%	0	12	32	2	5	50
1238	Manganese: PP: 0.007-0.700 mg/L Mn set for 50 tests: PAN method	Set	6	240	0%	0	12	32	2	5	50
1239	Spadns reagent soln. 500ml	Set	6	240	0%	0	12	32	2	5	50
1240	Phosphate, ortho; phosver 3 Reagent PP: 0-2.5 mg/L PO4: 100/pkg: 25 m	Set	6	240	0%	0	12	32	2	5	50
1241	Aluminium: PP: 0.008-0.800 mg/L set for 100 tests: Aluminon method	Set	6	240	0%	0	12	32	2	5	50
1242	Reagent set, zinc, zincon, 50 ml	Set	6	240	0%	0	12	32	2	5	50
1243	Chromium: chromaver 3 Reagent: PP 0.01-0.7 mg/L	Set	6	240	0%	0	12	32	2	5	50
1244	Yanide Reagent Set: PP: 100/pkg 0-0.240 mg/L: Pyridine-Pyrazole	Set	6	240	0%	0	12	32	2	5	50
1245	Arsenic std soln. 1000mg/l 100ml	Set	6	240	0%	0	12	32	2	5	50
1246	Rochelle Salt-PVA Reagent, 500 ml	Set	6	240	0%	0	12	32	2	5	50
1247	Nessler Reagent, 500 ml	Set	6	240	0%	0	12	32	2	5	50
1248	Silica Reagent Set, 0.010-1.600 mg/L siO2	Set	6	240	0%	0	12	32	2	5	50
1249	Reagent set, for sulfide	Set	6	240	0%	0	12	32	2	5	50
1250	Lead reagent set, 5-150 mg/l Pb	Set	4	160	0%	0	8	21	1	3	33
1251	Sodium/Potassium Ionic Strength Adjustor (ISA) Powder Pillows, pk/100	Set	6	240	0%	0	12	32	2	5	50

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	ClF (EURO)	I/D Rate	Imp. Duty	Nhil/ 5% Gfund	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
1252	Reagent set, Potassium 0-7.0 mg/L 100 tests	Set	4	160	0%	0	8	21	1	3	33
1253	Reagent set, Potassium 0-7.0 mg/L 100 tests	Set	4	160	0%	0	8	21	1	3	33
1254	Reagent set, Potassium 0-7.0 mg/L 100 tests	Set	4	160	0%	0	8	21	1	3	33
1255	Total Chlorine Reagent Powder Pillows, DPD (pk/100)	Set	10	400	0%	0	20	53	3	8	84
1256	Chlorine, free PP, 100/pkg (DPD) 25 ml sample	Set	10	400	0%	0	20	53	3	8	84
1257	Aluminium std soln, 10mg/l 100ml	Set	2	92	0%	0	5	12	1	2	19

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	unit	Qty	Clf (EURO)	I/D Rate	Imp. Duty	Nhii/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)
1258	Fluoride std soln, 1.0mg/l 500ml	Set	2	92	0%	0	5	12	1	2	19
1259	Chloride std soln, 0.00282n 1l	Set	2	92	0%	0	5	12	1	2	19
1260	Iron std soln, 10mg/l 500ml	Set	2	92	0%	0	5	12	1	2	19
1261	Manganese, 10mg/l 2ml amp pk/20	Set	2	80	0%	0	4	11	1	2	17
1262	Sulfate std soln, 50mg/l 500ml	Set	2	80	0%	0	4	11	1	2	17
1263	Zinc Standard Solution; 100 mg/L Zn 100 ml bottle	Set	2	80	0%	0	4	11	1	2	17
1264	Copper Standard Solution; 100 mg/L Cu; 100 ml	Set	2	80	0%	0	4	11	1	2	17
1265	Nitrate-Nitrogen Standard Solution; 1.00 mg/L NO3N; 500 ml bottle	Set	2	80	0%	0	4	11	1	2	17
1266	Test kit, ni-6 nitrite hr	Set	2	80	0%	0	4	11	1	2	17
1267	Nitrogen, ammonia 10mg/l 500ml	Set	2	80	0%	0	4	11	1	2	17
1268	APPA6000 Hardness Standard Solution, 0.50 mg/L caaco3 (NIST), 946 ml	Set	2	80	0%	0	4	11	1	2	17
1269	calcium std soln, 1000mg/l 500ml	Set	2	80	0%	0	4	11	1	2	17
1270	Test kit, cyn-3 cyanide 0.0.2	Set	2	80	0%	0	4	11	1	2	17
1271	Arsenic std soln, 1000mg/l 100ml	Set	2	80	0%	0	4	11	1	2	17
1272	Calcium std soln, 1000mg/l 500ml	Set	2	80	0%	0	4	11	1	2	17
1273	Sodium std soln, 1000mg/l 500ml	Set	2	80	0%	0	4	11	1	2	17
1274	Silica Standard Solution; 1000 mg/L sio2; 500 ml	Set	2	80	0%	0	4	11	1	2	17
1275	Sulfite std soln, 15mg/l 500ml	Set	2	80	0%	0	4	11	1	2	17
1276	Lead std soln, 1000mg/l 100ml	Set	2	80	0%	0	4	11	1	2	17
1277	Aprons pe white 69x107c	Pos	20	340	20%	68	20	54	3	7	151
1278	Laboratory coat poly/cotton 100cm mens	Pos	20	1,480	20%	296	89	233	11	30	659
1279	Laboratory coat women's poly/cot size 12	Pos	20	1,480	20%	296	89	233	11	30	659
1280	Eye protector model comet	Pos	25	3,175	20%	635	191	500	24	64	1,413
1281	Eye protector econo-goggle	Pos	25	3,175	20%	635	191	500	24	64	1,413
1282	Gloves nitrile solvex™ size 8	Pos	15	2,055	20%	411	123	324	15	41	914
1283	Full face mask, medium	Pos	10	1,650	20%	330	99	260	12	33	734
1284	Standard Methods for the Examination of Water and Wastewater (AWWA)	Pos	2	1,436	5%	72	75	198	11	29	385
1285	Computer Set	Pc	1	1,572	5%	79	83	217	12	0	390
1286	Printer	Pc	1	596	20%	119	36	94	4	0	253
1287	TOTALS			55,872,972		6183511	2406368	6316716	419047	439010	15,764,652

TAX ASSESSMENT FOR SEKONDI-TAKORADI WATER SUPPLY EXPANSION PROJECT

No	Description of Item	Unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhll/ Gfund 5%	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	TOTAL (EURO)

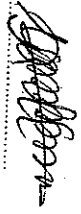
CERTIFICATE
TOTAL TAX LIABILITY= EUROS 15,764,652

Signature:

Importer/Agent's Name & Designation:

For Official Use

Assessment rechecked and found correct and complete.
Date10-05-2021.....

Signature: 
Officer's Name & Rank:- GIDEON GLEY
(SNR REV. OFFICER)

**GHANA REVENUE AUTHORITY
CUSTOMS DIVISION
ACCRA**

