



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

FINANCE
SUPPLY CHAIN MANAGEMENT

Tenders & Contracts, Supply Chain Management

SCM Tenders 10

Email : SCM.Tenders10@capetown.gov.za

3 June 2025

NOTICE TO TENDERERS NO: 4
(Pages: 5)

TENDER 251Q/2024/25

DESCRIPTION: CONSTRUCTION OF THE NEW SANDDRIFT EAST SEWER PUMP STATION.

ORIGINAL CLOSING DATE OF TENDER: 29 May 2025

REVISED CLOSING DATE OF TENDER: 12 June 2025 @ 10h00

TENDER BOX NUMBER: 204

Dear Sir / Madam

Your attention is drawn to the following attachments in respect to the above tender.

This "Notice to Tenderers" is in addition to the Tender Documents in the Schedule of Documents. Any tender submitted will be deemed to be in accordance with those documents amended in accordance with the following instructions.

Please note that replacement pages have been added to Annexure B of the Notice to Tenderers No. 4. The replacement pages are to replace existing pages in the tender document for submission.

NT4.1 QUERIES AND RESPONSES

4.1.1 Please advise if there are electricity connections available for us to connect on the site where the works are to take place?

Tenderers are to make arrangement and provision for their own electricity supply to the works and site camp at their own cost.

4.1.2 Outline Specification: Door, window and louvre schedules: These have not been provided. Please can these be provided.

Refer to Notice to Tenderers No. 4, Annexure A for Door, window and louvre schedules. The door and window schedule is to be appended to the Volume 1 Drawings, after drawing number (M)1615/007/02 which are part of the tender.

4.1.3 BOQ item L1.2. This pump is not found on the drawings. Please provide pump specifications.

Supply, deliver, install and commission end suction dewatering submersible sump pump, with 75mm ø stainless steel pipework to empty pumproom floor to wet well at 8m head and 5l/s flow rate.

Replace Page 118 with Page 118 (R) in Annexure B

4.1.4 BOQ item P5.1.5. Please confirm what this item refers to. Is it a cable? Is it an enclosure? What is the scope and which enclosure is referred to?

BOQ Item P5.1.5 refers to electrical field stand pedestals on the walkway above the pumps and similar to Item O2.1.4

Replace Page 217 with Page 217 (R) in Annexure B

4.1.5 In the fire detection BOQ the devices called for refer to conventional analogue devices. There are two types of technologies i.e. Conventional or Analogue. We need to know which technology is required in order to price accordingly.

The detection devices shall be conventional. The word analogue can be ignored as it only refers to the circuitry producing actual electrical signals as opposed to digital signals (binary code) that are utilised on analogue addressable systems.

Replace Page 213 with Page 213 (R) in Annexure B

4.1.6 Screw conveyor - Kindly supply us with the “Detailed Mechanical Specifications”, as per below. D30.1

Replace Page 238 with Page 238 (R) in Annexure B

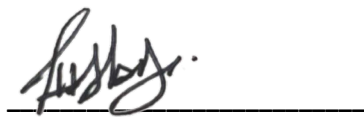
4.1.7 In reference to PSA8.8.8, by when should the over pumping system be implemented as the estimated implementation timeframe is 24 weeks, but the contract reads that we are responsible for over pumping i.e. from date of commencement.

Overpumping will be implemented on instruction of the Employer's Agent for a duration required to facilitate the decommissioning of the existing pump station, refurbishment and repurposing of sump to sand trap. The operation of the existing pump station will remain with The City's operation and maintenance team during the duration of the contract.

4.1.8 Please confirm whether the PWWF is 269l/s or 235l/s as per notice 2.

The current PWWF is 235 l/s, which is the existing peak flow rate that can be expected during construction period. The future PWWF is 269 l/s, which will be the capacity of the pump station after construction period to handle future peak flow rates.

Please feel free to contact Supply Chain Management if you are unclear about any point and if you require any additional information.



For: Director: Supply Chain Management

ACKNOWLEDGEMENT OF RECEIPT FOR AND ON BEHALF OF THE TENDERER: TENDER NO 251Q/2024/25

At on this day of 2025

Signature:

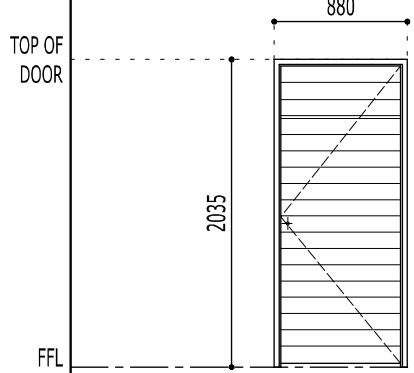
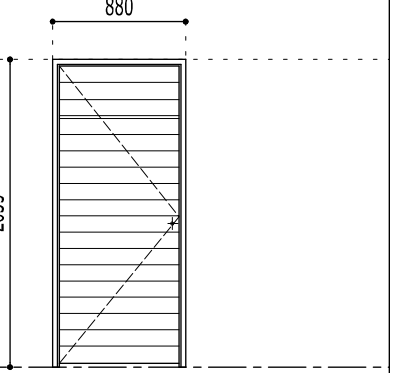
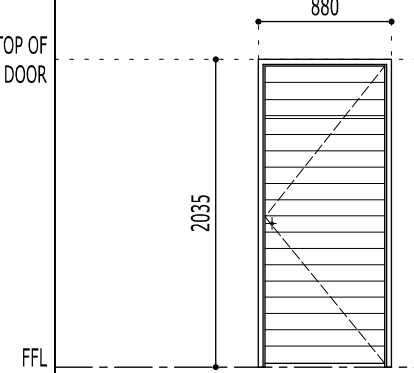
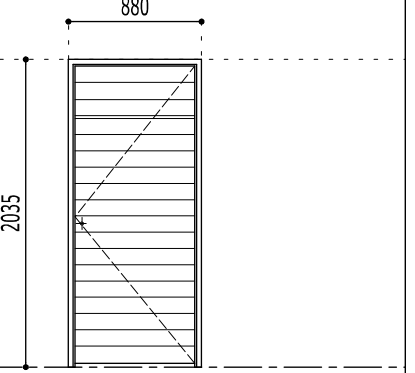
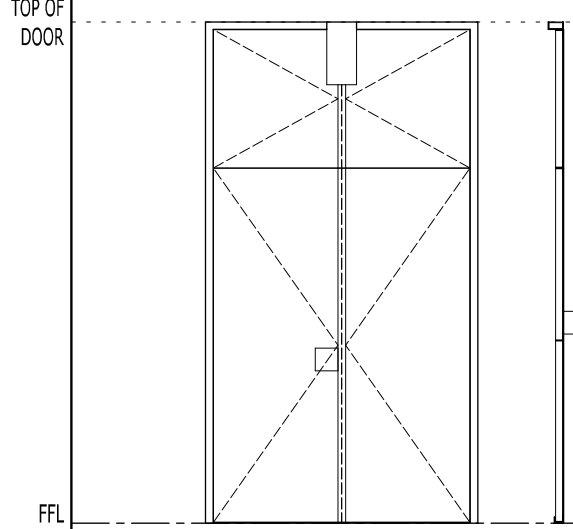
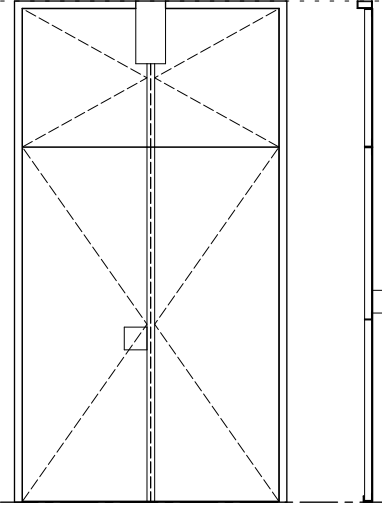
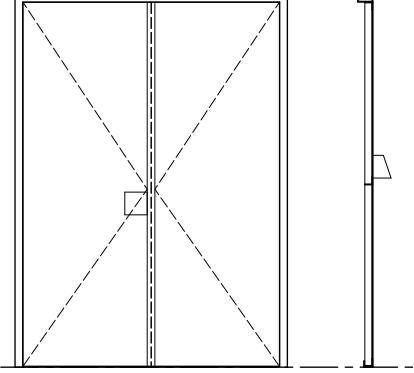
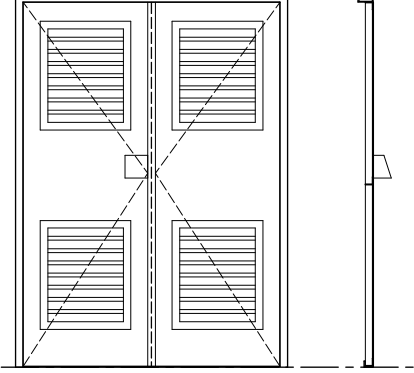
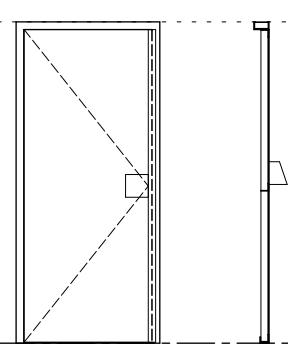
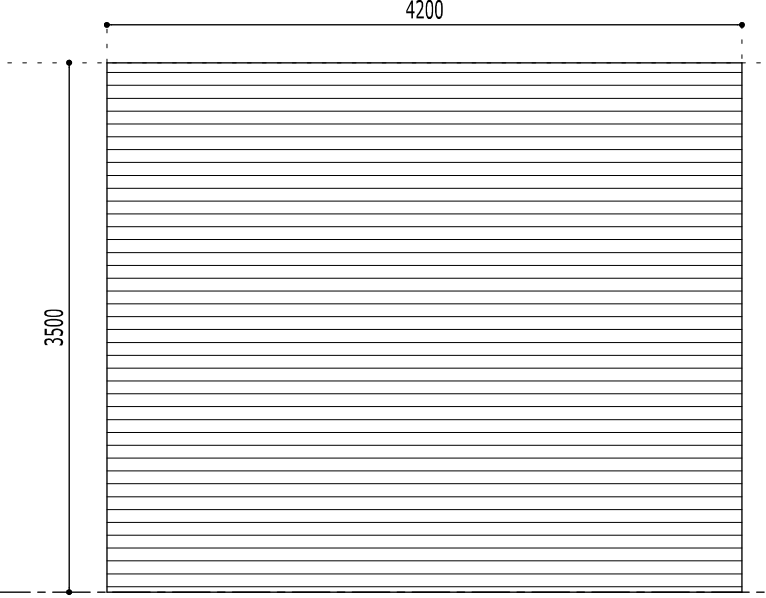
Name of Signatory:
(In ink and capitals)

TENDERER:

(Name of firm in ink and capital letters.)

ANNEXURE A

Door, Window and Louvre schedules

	BATHROOM 	GUARD - ABLUTION 	FIRE DOORS 	MCC 	STEEL DOORS 	DRY WELL 	MCC 	GENERATOR 	SCREENING FACILITY, ODOUR CONTROL & WET WELL STAIRWELL 	ALUMINIUM ROLLER SHUTTER DOORS 	
DOOR NO.	D01	D02	DOOR NO.	FD01	DOOR NO.	SDD01	SDD02	SLDD01	SD01	DOOR NO.	ASRD01
QUANTITY	1 (AS SHOWN)	1 (AS SHOWN)	QUANTITY	1 (AS SHOWN)	QUANTITY	1 (AS SHOWN)	1 (AS SHOWN)	1 (AS SHOWN)	4 (1 x AS SHOWN & 3 x MIRROR IMAGE)	QUANTITY	1 (AS SHOWN)
DESCRIPTION	PURPOSE MADE 880x2035mm HEAVY DUTY EXTERIOR QUALITY SOLID TIMBER DOOR BY SPECIALIST (SPECIFICATIONS TO BE EQUAL OR BETTER THAN & DESIGN TO MATCH SWARTLAND: SD30 - STANDARD 813mm DOOR)	PURPOSE MADE 880x2035mm HEAVY DUTY EXTERIOR QUALITY SOLID TIMBER DOOR BY SPECIALIST (SPECIFICATIONS TO BE EQUAL OR BETTER THAN & DESIGN TO MATCH SWARTLAND: SD30 - STANDARD 813mm DOOR)	DESCRIPTION	PURPOSE MADE 880x2035mm 60min. FIRE RATED DOOR BY SPECIALIST (CLASS A FIRE DOOR ASSEMBLY) (DESIGN TO MATCH SWARTLAND: SD30 - STANDARD 813mm DOOR)	DESCRIPTION	PURPOSE MADE 1800 x 3315mm EPOXY COATED 3CR12 STEEL TRANSFORMER SINGLE DOOR AS PER CoCT DETAIL DRAWINGS EAM-ME-SS-014 BY APPROVED SPECIALIST STEEL DOOR MANUFACTURER	PURPOSE MADE 1800 x 2465mm EPOXY COATED 3CR12 STEEL TRANSFORMER SINGLE DOOR AS PER CoCT DETAIL DRAWINGS EAM-ME-SS-014 BY APPROVED SPECIALIST STEEL DOOR MANUFACTURER	PURPOSE MADE 1800 x 2465mm EPOXY COATED 3CR12 STEEL TRANSFORMER SINGLE DOOR AS PER CoCT DETAIL DRAWINGS EAM-ME-SS-014 BY APPROVED SPECIALIST STEEL DOOR MANUFACTURER	PURPOSE MADE 950 x 2125mm EPOXY COATED 3CR12 STEEL TRANSFORMER SINGLE DOOR AS PER CoCT DETAIL DRAWINGS EAM-ME-SS-009 BY APPROVED SPECIALIST STEEL DOOR MANUFACTURER	DESCRIPTION	PURPOSE MADE 4200 x 3500mm (OPENING) MANUAL CHAIN OPERATED EPOXY COATED ALUMINIUM ROLLER SHUTTER DOOR AS PER APPROVED ALUMINIUM ROLLER SHUTTER DOOR MANUFACTURER
GLAZING	N/A	N/A	GLAZING	N/A	GLAZING	N/A	N/A	N/A	N/A	GLAZING	N/A
IRONMONGERY	AS PER DORMAKARBA CATALOGUE: 1 x SET OF TH125 S/STEEL TUBULAR HANDLES ON ROSE FIXED WITH BOLT THROUGH FIXINGS 1 x S/STEEL KEYHOLE ESCUTCHEON CODE: DKE-001 1 x S/STEEL MULTIPLE LEVER SASH LOCK CODE: D034S 1 x S/STEEL FLOOR MOUNTED DOOR STOP CODE: D05-SS-017	AS PER DORMAKARBA CATALOGUE: 1 x SET OF TH125 S/STEEL TUBULAR HANDLES ON ROSE FIXED WITH BOLT THROUGH FIXINGS 1 x S/STEEL KEYHOLE ESCUTCHEON CODE: DKE-001 1 x S/STEEL MULTIPLE LEVER SASH LOCK CODE: D034S 1 x S/STEEL FLOOR MOUNTED DOOR STOP CODE: D05-SS-017	IRONMONGERY	AS PER DORMAKARBA CATALOGUE: 1 x SET OF TH125 S/STEEL TUBULAR HANDLES ON ROSE FIXED WITH BOLT THROUGH FIXINGS 1 x S/STEEL KEYHOLE ESCUTCHEON CODE: DKE-001 1 x S/STEEL MULTIPLE LEVER SASH LOCK CODE: D034S 1 x S/STEEL FLOOR MOUNTED DOOR STOP CODE: D05-SS-017 1 x S/STEEL RACK & PINION DOOR CLOSER CODE: TS 73 V BC DC	IRONMONGERY	REFER TO CoCT DETAIL DRAWING	REFER TO CoCT DETAIL DRAWING	REFER TO CoCT DETAIL DRAWING	REFER TO CoCT DETAIL DRAWING	IRONMONGERY	AS PER APPROVED STEEL ROLLER SHUTTER DOOR MANUFACTURER / TO BE APPROVED BY AUTHORIZED CONSULTANT
FRAME	GALVANIZED STEEL FRAME WITH 3 x HINGES AS PER DOOR MANUFACTURER FOR 230mm THICK WALL	GALVANIZED STEEL FRAME WITH 3 x HINGES AS PER DOOR MANUFACTURER FOR 110mm THICK WALL	FRAME	GALVANIZED STEEL FRAME WITH 3 x HINGES AS PER DOOR MANUFACTURER FOR 230mm THICK WALL (CLASS A FIRE DOOR ASSEMBLY)	FRAME	STANDARD EPOXY COATED STEEL DOOR FRAME AS PER APPROVED STEEL DOOR MANUFACTURER	STANDARD EPOXY COATED STEEL DOOR FRAME AS PER APPROVED STEEL DOOR MANUFACTURER	STANDARD EPOXY COATED STEEL DOOR FRAME AS PER APPROVED STEEL DOOR MANUFACTURER	STANDARD EPOXY COATED STEEL DOOR FRAME AS PER APPROVED STEEL DOOR MANUFACTURER	FRAME	EPOXY COATED ROLLER BOX & FRAME AS PER APPROVED STEEL ROLLER SHUTTER DOOR MANUFACTURER
FINISH	PAINTED: PLASCON VELVAGLO - COLOUR TBC	PAINTED: PLASCON VELVAGLO - COLOUR TBC	FINISH	PAINTED: PLASCON VELVAGLO - COLOUR TBC	FINISH	EPOXY COATED: INTERPON D252ST - MATT CHARCOAL QL258P	EPOXY COATED: INTERPON D252ST - MATT CHARCOAL QL258P	EPOXY COATED: INTERPON D252ST - MATT CHARCOAL QL258P	EPOXY COATED: INTERPON D252ST - MATT CHARCOAL QL258P	FINISH	EPOXY COATED: INTERPON D252ST - MATT CHARCOAL QL258P

NOTES 1. CHECK ALL DIMENSIONS AND LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK 2. ALL BUILDING WORK TO BE IN COMPLIANCE WITH: The National Building Regulation and Building Standards Act (Act 103 of 1977) Occupational Health and Safety Act (Act 85 of 1993) (as amended by Occupational Health & Safety Amendment Act No. 181 of 1993) SANS 10400: The Application of the National Building Regulations SANS 2001: Construction Works Local Authority By-Laws 3. ALL PRODUCTS TO BE APPLIED TO MANUFACTURERS SPECIFICATIONS 4. ANY DETAILS NOT CLEAR TO BE CLARIFIED WITH THE ARCHITECT 5. ANY DISCREPANCIES TO BE CLARIFIED WITH THE ARCHITECT 6. STREET FURNITURE NOT TO BE AFFECTED												REVISIONS <table><tr><td>3</td><td>2025/05/23</td><td>DRAWING MARKED FOR 'TENDER', DOOR & WINDOW NUMBERS ADDED</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												3	2025/05/23	DRAWING MARKED FOR 'TENDER', DOOR & WINDOW NUMBERS ADDED																																																																CITY OF CAPE TOWN ISIKO SASEKAPA STAD KAAPSTAD INGEROP Innovating for tomorrow bvi 50 YEARS COLLABORATION 1975-2025 COPYRIGHT IS VESTED IN THIS DOCUMENT AND NO USE, DUPLICATION OR REPRODUCTION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR.												oostenwald nothnagel architects tel: 021 975 4021 e-mail: onsa@global.co.za 5 biccard street, durbanville, 7550 saasap reg no.: 0206												PROJECT PROPOSED NEW SEWERAGE PUMP FACILITY ON ERF 105 727, 97 FORTUNA ROAD, SANDDRIFT FOR CITY OF CAPE TOWN												DESCRIPTION TIMBER & STEEL DOOR SCHEDULES												TENDER drawn CVW checked ON scale 1:50 SIZE A1 date 23 MAY 2025 status project no drawing no revision (T) 1615 / 009 / 3											
3	2025/05/23	DRAWING MARKED FOR 'TENDER', DOOR & WINDOW NUMBERS ADDED																																																																																																																																																			

NOTE:
ALL MEASUREMENTS TO BE CHECKED ON SITE
BY DOOR/WINDOW/LOUVRE MANUFACTURER
PRIOR TO MANUFACTURING

NOTE:
DOOR/WINDOW/LOUVRE MANUFACTURERS
TO CONFIRM QUANTITIES, SWINGS &
OPENING OPERATION PRIOR TO MANUFACTURING

NOTE:
ALL GLAZING TO COMPLY WITH
SANS 10400: PART N AND/OR ANY OTHER
RELEVANT REGULATIONS, COC TO BE ISSUED

NOTE:
DOORS/WINDOWS/LOUVRES TO BE
MANUFACTURED BY APPROVED MANUFACTURER

NOTE:
DOOR/WINDOW/LOUVRE SCHEDULES TO BE READ IN
CONJUNCTION WITH RELEVANT SITE-, FLOOR PLANS,
ELEVATIONS, SECTIONS & OTHER SCHEDULES

ANNEXURE B

Replacement Pages

CONSTRUCTION OF THE NEW SANDDRIFT EAST SEWER PUMP STATION**CONTRACT NO. 251Q/2024/25****BILL OF QUANTITIES****SCHEDULE L : ELECTRICAL & MECHANICAL - PUMP STATION**

Number	Payment	Item Description	Unit	Quantity	Rate	Amount R
L		PUMP STATION				
L1		Pump Set 1				
L1.1	PSP.1.2	Supply, deliver, install and commission pumps as described in the project specification immersible				
L1.1.1		Supply and deliver pumps and motors	No	3		
L1.1.2		Install	No	3		
L1.1.3		Commission	No	3		
L1.2		Supply, deliver, install and commission end suction dewatering sump pump, with 75mm ø stainless steel pipework to empty pumproom floor to wet well at 8m head at 5l/s flow rate (maximum 3m pipe lengths)	No	1		
L1.3	PSP.1.2.3	Certified pump factory test certificates for L1 (or L2) & L3	Sum	1		
L1.4		Supply and install WIKA (or equivalent approved) Pressure gauges or equivalent approved on suction and delivery lines including sewage diaphragms	No	6		
L2		Raking Screens				
L2.1	PSP.6	Supply, deliver, install, test, commission a complete Multi-Rake Bar Screen to specifications including all automation control centres, electrical supply and switchboards and water supply connections				
L2.1.1		Supply and deliver entire unit	No	2		
L2.1.2		Install	No	2		
L2.1.3		Commission	No	2		
L3		Washer Compactor				
L3.1	PSP.5	Supply, deliver, install, test, commission a complete and water supply connections Washer Compactor to specifications including all automation control centres, electrical supply and switchboards (or equivalent approved)				
L3.1.1		Supply and deliver complete unit	No	2		
L3.1.2		Install	No	2		
L3.1.3		Commission	No	2		
L3.2		Supply, install and commission any and all additional equipment not included in the specifications, for the effective functioning of the mechanical rake screen and washer compactor units, including conveyors and the like. Please specify: NOTE: If not specified, it would be considered included in the final cost of the complete unit.				
Total Carried Forward						

PSE4 EARTHING

The contractor is responsible for performing the necessary earth resistance tests to determine the earth resistance of the installed earth at the pump station building. If these tests are not to the satisfaction of the Engineer, an instruction will be issued to improve the earthing.

PSE5 SLEEVES FOR ROAD AND PAVING CROSSINGS

The sleeves required for the crossing of LV cables will be supplied and installed by the civil contractor and will consist of 160mm or 110mm ø sleeves and terminate in AJB's or daylight at coordinated positions.

The contractor will ensure that the installation of these sleeves and the sealing thereof, etc. is to his satisfaction and in accordance with the specification.

PSE6 CONTROL PHILOSOPHY

The variable speed drive pumps deliver the required flow rate to empty the sump in such a time that starts are managed between 8 – 10 starts per hour maximum. Pumps will be level operated, and the first pump (duty pump) will start at a designated high water level, and will empty the sump thereafter. If the pump cannot empty the sump within a given time period and the level still rises, a second pump will start at a higher set level to allow the sumps to be emptied.

Stops and starts across all three pumps will be alternated after every pumping event to ensure a even distribution of work load across all three pump sets.

The pumps will stop in auto if one of the following conditions occur.

- Low level in sump (high pressure)
- Should a no-flow situation arise
- High reading of flow meter (pipe burst conditions)

A high level and low level float switch will be installed to stop or start the pumps should any of the ultrasonic sensors malfunction.

PSE6b FIRE DETECTION

In addition to the fire detection devices specified under the generator section of this specification, conventional fire detection devices are required as described below.

The devices will be directly wired to the PLC / telemetry systems without the need for a fire alarm panel. The alarm signals will be relayed to the CCT control room.

Smoke detectors in the dry well pump room and MCC room.

Flame detector in the generator room complete with control panel housing the power supply unit and conventional interface.

Rate-of-rise heat detector in the generator room.

- iv) The pump cable connection enclosures with the pedestal described above shall be constructed complete with terminals for the cable from the MCC and the cable down to the pump.
- v) The panel shall have an e-stop mushroom button and run controls.
- vi) The pedestal shall be mounted to the walkway above sewer lift pumps.
- vii) The pump connection enclosure with pedestal is also described as the pump motor cable connection DMC enclosure (digital motor controller).
- viii) For general visual of a junction box, refer to CCT drawing *EAM-EE-GS-053_A - Typical Pump Station Junction Box.pdf*

PSE7.3.6 Control Philosophy

On Automatic operation the VSD motored pumps will try to maintain the flow rate to always be above the minimum flow rate to ensure the pipeline cleansing velocity is maintained. Pumps must also be ramped up if it has operated on a certain speed and the sump does not empty, ensuring that the cycle times between start/stop does not become overly long. It is understood that the VSD will never increase speed beyond the pre-set overload amperage.

The whole unit shall be manufactured in 316 stainless steel, the guide bars shall be Hartox 400.

PSP.5.1.3 Controls

All controls shall be constructed inside a suitably industry accepted enclosure, with the following components:

- a) Lockable disconnect
- b) Motor starters
- c) Three position selector switch (H-O-A)
- d) Pilot lights:
 - Press run
 - Press overload
- e) Repeat cycle timer (adjustable)
- f) Timer for one solenoid valve
- g) Control transformer
- h) Square D current relay (or equal)
- i) Remote control station at plant with forward, reserve & e-stop function.

PSP.5.1.4 Functional Test

The washpress shall be factory assembled and tested for a minimum of 8 hours prior to delivery, and shall be delivered to the site fully assembled (other than the discharge chute and inlet hopper and water supply fittings and pipework). It shall be capable of being set in place and field erected by the contractor with minimal field assembly.

Upon completion of installation by the contractor and certification of proper installation of the equipment by the Manufacturer's field service representative, the equipment shall be functionally tested under the supervision of contractor for a minimum of 8 hours to ensure that all clearances, vibrations, tracking and motor operating characteristics are within acceptable limits. The operation of the press will be the form part of the 28-day trial operation period.

PSP.9 SCREW CONVEYOR

Screw conveyor shall consist out of a machine trough with plastic liners and transport screw. The machine trough shall be designed as a rigid edge- and weld construction with multi-segmented covers in a water-proof design.

The machine screw shall be made of stainless steel with a central shaft for an optimum torque distribution alongside the total machine length. The design shall ensure maximum running smoothness without screw corrosion.

All components in touch with the medium shall be made of stainless steel. Individual drives or system components of the machines shall be equipped with repair switches against extra charge. Supports shall be included along with feed hopper.

Electrical control system shall be supplied complete, and the machine controls shall be executed according to manufacturer's instructions.

Technical data

Transport medium	screenings
Max. throughput	2 m³/h
Total machine length	6000 mm
Installation angle	15 °
Trough diameter	273 mm
Conveying direction Screw shaft	pushing
Material trough	316L
Material Screw shaft	316L
Frequency	50 Hz
Protection grade	IP65
Dimensions hopper	
Length	L = 700 mm
Width	W = 600 mm
Height	H = 400 mm