

Clarification Set Two (2) to the queries received after the 1st set of clarification sent on 20/8/2020 on construction of Modjo dry port expansion and upgrading of hub facilities

Item	REQUESTS FROM THE BIDDERS	REFERENCE	EMPLOYER'S RESPONSES																								
1	<p>Following the Bidders Clarification request and the Employers response #1 at item No.48 and item No. 50, the requirement about MICRO RIBBED SANDWICH PANEL WALL and ROOFING SYSTEM is changed.</p> <p>Accordingly, the respective BoQ items shall be changed.</p>	Response #1 (Item 48& Item 50); BoQ; Bill N°6; Division 7: Thermal and Moisture	<p>Following the specification changes, Please make the following changes in the BoQs as per the specification clarifications:</p> <p>Bill N°6; DIVISION 7 - THERMAL & MOISTURE; in all the three types of warehouses in the Bidding Document (BoQs) are changed entirely as follows:</p> <p style="text-align: center;">(1). BILL N° 6- WAREHOUSES - TYPE 2.2 (EXPORT CONSOLIDATION)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Spec</th> <th style="text-align: center;">Item</th> <th style="text-align: center;">Description</th> <th style="text-align: center;">Unit</th> <th style="text-align: center;">Qty</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">076100</td> <td style="text-align: center;">07610.01 A</td> <td>Roofing Panel Supply and Fix pre-coated fabricated roofing panel (Single Skin= 0.5mm thick Aluzinc, profile= 45-250, Finish= Polyester and Color= as per the Engineers preference) with insulation of (Type= WMSK, Thickness=50mm and 12kg/m3) as per the design and drawing. The price includes all necessary accessories to fix the roofing and suspension. Provide physical samples and shop drawings for approval by Architect</td> <td style="text-align: center;">m²</td> <td style="text-align: center;">4,752</td> </tr> <tr> <td style="text-align: center;">076100</td> <td style="text-align: center;">07610.01 B</td> <td>Sandwich wall Panel: Supply and Fix sandwich panel of double 100mm thick(PUCore), (1) exterior skin of 0.7mm thick aluminum, profile=45-250, finish= Polyester and Color= as per the Engineer's preference and (2) Inner skin of 0.5 mm thick Aluzinc profile= Microribbed, finish= Polyester color= RAL 9002 as per the design and drawing. The price includes all necessary accessories to fix the panel. Provide physical samples and shop drawings for approval by Architect</td> <td style="text-align: center;">m²</td> <td style="text-align: center;">6,371</td> </tr> <tr> <td></td> <td style="text-align: center;">07610.02</td> <td>[GTR-01] Flashing for Gutter Pre-coated metal sheet for dampness prevention over the concrete gutter of development Length 330mm.</td> <td style="text-align: center;">ml</td> <td style="text-align: center;">250</td> </tr> </tbody> </table>					Spec	Item	Description	Unit	Qty	076100	07610.01 A	Roofing Panel Supply and Fix pre-coated fabricated roofing panel (Single Skin= 0.5mm thick Aluzinc, profile= 45-250, Finish= Polyester and Color= as per the Engineers preference) with insulation of (Type= WMSK, Thickness=50mm and 12kg/m3) as per the design and drawing. The price includes all necessary accessories to fix the roofing and suspension. Provide physical samples and shop drawings for approval by Architect	m ²	4,752	076100	07610.01 B	Sandwich wall Panel: Supply and Fix sandwich panel of double 100mm thick(PUCore), (1) exterior skin of 0.7mm thick aluminum, profile=45-250, finish= Polyester and Color= as per the Engineer's preference and (2) Inner skin of 0.5 mm thick Aluzinc profile= Microribbed, finish= Polyester color= RAL 9002 as per the design and drawing. The price includes all necessary accessories to fix the panel. Provide physical samples and shop drawings for approval by Architect	m ²	6,371		07610.02	[GTR-01] Flashing for Gutter Pre-coated metal sheet for dampness prevention over the concrete gutter of development Length 330mm.	ml	250
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2	<p>The engineering quantity is extremely tremendous, which means the preparation time is very short. Considering integrity and overall operation of many systems/facilities may meet difficulties. On account of a serious and responsible attitude, we will extremely carefully calculate and check the accuracy and completeness of our technical and financial proposals, so as to fully respond to the Employer’s Bidding Documents requirements. And</p>	ITB 22.1	<p>To this date, bidders are advised to remain on the original deadline.</p> <p>Yet, the Employer has already requested the financier to approve time extension request for bid submission date. Hence, Bidders will be communicated immediately on the status of the request.</p>																																								

	Due to the COVID – 19 Pandemic situations, the overall preparation and coordination works have been seriously affected. In view of our similar bidding experience, the above captioned bid preparation work will take three months without the impact of the pandemic, so we suggest an extension of additional two months.		
3	The Bidder has submitted clarification No.1 and No.2 respectively on August 9 th 2020 and August 12 th 2020. But, the clarifications haven't been responded by the Employer until now. Without the responses, relative documents cannot be prepared properly. Please consider that it takes a period of time to prepare these documents after your response. Because of the original dead line for bid submission is 15 th September 2020 and the date where the Employer will respond our clarifications is unknown, therefore the Bidder hereby requests to extend the deadline for bid submission for 30 days. Besides, the Bidder wishes you can respond our clarifications at your earliest time,	ITB 22.1	Clarification response No.1 from the Employer is sent to all the Bidders on 20- Aug- 20. Regarding time extension for bid submission date, please refer item No. 2 herein above.
4	BoQ-4.2.28: If applicable, please provide the detailed drawing for Logistics inside the Main Gate and Logistics outside the Main Gate;	BoQ	The BoQ is applicable. The main gate is the one which is a boundary of the Dry Port tertiary. Therefore, what is inside the territory or inside the Dry Port is already outlined in Volume III – A: Architectural Drawings; general lay out drawing of this bidding document. Hence you are advised to review the drawings and other parts of the Bidding documents.
5	BoQ-4.3.11: Please provide the supporting specifications of wagon balance;	BoQ	Weigh scale specification: General requirements <ul style="list-style-type: none"> • Above ground weigh bridge system

			<ul style="list-style-type: none"> • System should include , load receiving element, weighing structure, load cells, load bearing structure • The load cells should be connected to weighting instrumentation • Weighting instrumentation should have digital indication and analog indication for visual outputs, digital and analog signal outputs for control (RS 232, RS 485, fieldbus, wirelss systems outpouts for digital outpouts and 0-10V dc and 4-20mA analog outputs) • Minimum two high precision load cells with ISO standard IP68 (protection against total dust ingress) • Final system performnce should be compatible with ISO 12745:2008 – Precision and bias of mass measurement techniques and ISO 5725-1:1994 – Accuracy (trueness and precision) of measurement methods and results • Weight bridge software shall be used for data processing such as Acquire measurement data which should not be conducive to fraudulent modification Process data date wise, truck wise, load wise, shift wise, customer wise, product wise and other, for generation of daily, weekly and monthly reports Prepare transport permits, invoices and other as per the requirement from EMAA, Provide connection with other weighbridges/ server computers by LAN with the possibility of sharing the common database. • The software should be compatible for integrating with the authorized software and migration of data. Software must be password protected for operation and editing <p>Specific requirements</p> <table border="1" data-bbox="982 1122 2005 1409"> <tr> <td>Weighbridge Capacity</td> <td>min of 60T</td> </tr> <tr> <td>Platform Length</td> <td>18 - 24m</td> </tr> <tr> <td>Platform Width</td> <td>3.0 - 3.5m</td> </tr> <tr> <td>Power Required</td> <td>230/400 volts AC, 50Hz or 12 volt battery</td> </tr> <tr> <td>Construction</td> <td>Steel platform on load cells and with a concrete base</td> </tr> <tr> <td>Electronics</td> <td>Microprocessor weigh controller sealed to IP68</td> </tr> <tr> <td>Load Cell Capacity</td> <td>Min. capacity of 20T</td> </tr> <tr> <td>Load Cell construction</td> <td>Stainless Steel</td> </tr> </table>	Weighbridge Capacity	min of 60T	Platform Length	18 - 24m	Platform Width	3.0 - 3.5m	Power Required	230/400 volts AC, 50Hz or 12 volt battery	Construction	Steel platform on load cells and with a concrete base	Electronics	Microprocessor weigh controller sealed to IP68	Load Cell Capacity	Min. capacity of 20T	Load Cell construction	Stainless Steel
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			Safe load in the Load Cell	125% of rated capacity
			Max load in the Load Cell	150% of rated capacity
6	BoQ-4.5.2: Please provide the detailed drawing for overhead guard house;	BoQ	Watchtowers drawings are provided to the bidders in Volume III – Drawings (Architectural, Structural, Water supply and Sanitary, etc....). So, please refer this section.	
7	BoQ-4.4: Please provide the supporting specifications of container scanning device;	BoQ	Container scanning device specification: <ul style="list-style-type: none"> • Scanning speed – 40 feet container 30 per hour • Xray capacity – 7.5 MEV dual energy xray generator that can generate photon with energy of 7.5Mev • Enclosed with radition sheilding • Radition sheilding of the accelerator and collimator should ensure low level dossage rate of not more than 0.5micr Sv/h • Adjustable beam orientation from control room with 4 CCTV oversight survelliance cameras, 1x19” monitor, • Radiation monitor with sound and light alarm located in control room • One dose rate monitor • Infrared perimeter control system monitoring the exclusion area • Check in work station, control work stations should be network enables • Should have complete software for xray image obtaining storing and processing • Support different image formate • From 2 up to 32 zooming capacity • Typical operating area should not be greater than 40mx70m 	
8	BoQ-2.7:Demolition of the quantities for the entrance & exit of existing culverts should be replaced with demolition of the quantities for the entrance & exit of existing culverts & quantities of extension; meanwhile, divide the C35 RC into: demolition quantity & pouring quantity.	BoQ	There is no BoQ 2.7 in the BoQ volume of the bidding document and /or the request is not clear. Therefore, be informed that the Employer could not give clarification response for this request and you are advised to prepare your proposal based on the original bill item.	
9	BoQ-4.2.2.1 b: The 1/9 single-opened turnout should be changed by 1/12 single-opened turnout.	BoQ	The Bidders are advised to prepare their proposal based on the original bill item and clarifications set one (1) of the Employer. Any modification required will be made during the construction implementation subject to the approval of the Engineer.	

10	Generally, whether the deviation of unit rates in the original BoQ is relatively large can be adjusted.		The request is not clear. But, unit rates are non-adjustable whereas regarding the quantities; it is treated based on BoQ or admeasurement contract type.
11	Will the Employer be responsible for the borrow pit, spoil pit and quarries? Is there any land used tax to be charged?		Such items will be done based on FIDIC Red book @2017 and special conditions of contract.
12	In terms of various building materials, for the purpose of implementing the project, it is generally considered to be imported from China, is it possible to be applied for being duty-free?		Please refer Item No. 11 of clarification response set one (1) forwarded to you earlier.
13	There is no specific construction scope and coordination on the layout plan, is it possible to provide the explicit design specification?		Please maintain the original layout plan
14	In the original drawing, the material of steel structures is S355, is it possible to be substituted by GB-Q345B(orQ355B)?		Please refer Item No. 36 of clarification response set one (1) forwarded to you earlier.
15	Can the UK or Euro Standard profile steel be replaced with similar GB profile steel, such as UB406x178x74~HN450x200x9x14;UB610x305x149~HM600x300(588x300x12x20 ; HE300A~HW300x300x10x15 ; L150X18~L180X18, etc.?		Please refer Item No. 36 of clarification response set one (1) forwarded to you earlier.
16	It is equipped with 12mm steel plate under the compartment floor as per the original drawing, it is suggested to change with pressed profile steel bearing plate(thickness 1.2mm, type is optional). However, considering its long span, it is required to apply reliable support in such case while implementing the work.		This plate span is 1.2m, which is not long span and in addition it is supported on FBR and RB steel beams. Hence it is working fine for this steel concrete composite slab with proper shear studs. And this works only for the mezzanine floors.
17	Either it does not reflect the connection between RF and RT-1 or the wall support.		Yes there is missing detail for the RF and RT-1 connection and please refer the attached connection details – Attachment 3: Connection guidelines for different joints through your email register.

18	In the case of other unspecific joints, can they be considered to apply domestic practice in China?		The warehouses are module type of factory products. Depending on the factory there may be different connection details. But the connection detail doesn't create big difference for the current bid process. So you can consider any reliable detail of the missed connection if any. Regarding standard equivalence, the Bidders are advised to refer item No. 36 of clarifications set one (1) of the Employer.
19	Whereas the majority is heavy structures in this project, it shall be considered to choose the bulk packaging instead of overall packaging for finished structures. The container shall be designed with open roof for the convenience of handling of structures.		The Bidders are advised to prepare their proposal based on the original bill item and clarifications set one (1) of the Employer. Any modification required will be made during the construction implementation subject to approval of the Engineer.
20	<p>Bid Form- POA: Herewith it refers to the Schedule 1- Power of Attorney, Section VII. Works Requirements, there is a blank space to be filled in paragraph 1, the [Name of Project]. We would like to know which name shall be prevailing to this title from the BDS, Section II, ITB1.1, The name of the ICB: Construction of Modjo Dry Port Expansion and Upgrading of Hub Facilities or ITB 2.1, The name of the project: Ethiopia, Trade Logistics.</p> <p>Your response or decision making will be highly appreciated. Please accept the assurance of our highest considerations.</p>	Bid Forms	<p>All are referring this particular project. Therefore, Bidders can write the following:</p> <p>Project Name: <i>“Ethiopia Trade Logistics Project (ETLP) – P156590 - Construction of Modjo Dry Port Expansion and Upgrading of Hub Facilities ; ICB No: ET-EMAA-4946-CW-RFB”</i></p>
21	<p>It is to be recalled that we have participated in the bidding process of Construction of Modjo Dry Port Expansion and Upgrading of Hub Facilities in the name of the Company.</p> <p>Due to the outbreak of COVID-19 virus that there is hardly enough time for us to prepare fully for the tender before the</p>	Bid Submission.	Please refer item 2 herein above.

	original submission date which was Sep. 15, hereby we apply for an extension of three(3) weeks for bid submission.		
22	According to the practice of the country where the project is located (Ethiopia), whether the Borrow Area (including stone materials) should be designated by the employer and cost of borrow area should be borne by the employer? Whether the cost of Disposal Area should be borne by the contractor?		Please refer item No.11 herein above.
23	For the steel structure, would you please clarify the tariff rate of imported steel structure materials (Kg) and steel plates (m2)?		The request is not clear. Please check the BoQ and the Employer will not provide tariff rates to the Bidders.
24	Bill 5- 162000.07, Supply, install and test generator output low-voltage cables with 51 runs of (16x1x630mm ² FR + 300mm ² pvc (E) insulated copper cable for each generator) with underground installation detail as shown in transformer and generator detailed drawings with termination and connection as detailed in specification. Would you please clarify the detailed cable (or equipment)		The cables as follows: For each generator (R, S, T) we have 16 single core 630sqmm cables. This means 16 runs of 1cx630mm ² cable for each generator. For the three generators we have 48runs of 1cx630mm ² cable. For the Neutral we have three runs of 1cx300mm ² cables. This is the total 51 run for three generators.
25	Bill 5 – 16300.14, Supply, install and test HV cables for connection of MV panel to transformers 50sqmm 3C I XLPE I PVC 24KV COPPER POWER CABLE with cable specification, installation, termination and testing as described in the technical specification, please refer technical specification sheet. Would you please clarify the detailed cable (or equipment)?		The cable is 24KV MV cable with cross section 3cx50sqmm, insulation is preferably XLPE but high quality PVC cable is also allowable. But the cable has to be pure copper cable. The installation, termination and testing has to be as of standard IEC regulation.

26	What's the specific work content of Bill 3-15300.01? Does it include wells and supporting facilities?		The borehole is already drilled by the Dry Port. The well characteristic is submitted to the Bidders through Clarification Response set one (1) , as additional reference. Please refer Attachment 2: Boreholes and water supply notes (160m & the output flow is 6 l/s). Therefore, Supply, install, test & commissioning of submersible pump with guard house?
27	What's the specific work content of Bill 3- 15300.02? Does it include water tower and reservoir?		It is already clarified in the Employer's Clarification Response set one (1), item No 28. It contains: 30M3 RC reservoir with tower, Booster pump – 3 pcs, Automatic control system – 2 set, and pump house. Please refer item No.28 of Employer's Response set one (1)
28	Bill No. 5- 16730.08--16730.12, whether the bandwidth specification of fiber optic cable be 1000M or 10,000M?		The optical fiber cable should carry data/voice/video at a rate of 10GB/s with Gigabit Ethernet standards complete with the patch cords and all accessories
29	Bill No. 5- 16730.14--16730.21, Please specify whether the switch is industrial or network switch.		Network switch
30	Bill No. 5- Division 13-Special Construction-13850.0 1, Supply, install and configure fire detection camera for warehouses BOSCH AVIOTEC or equivalent as given in technical specification with detection capacity of 0.5m fire width at a distance of 60m complete with video management software. Whether a spherical flame camera is required?		Yes special flame camera is required, BOSCH AVIOTEC or equivalent
31	Electrical Installation Item 16720.01, supply, install & configure CCTV surveillance camera TVP3122 or equivalent POE, PTZ with detail spec as given in IT technical specification complete with video management software. Is it a dome camera or a box camera?		It is dome camera

32	Electrical Installation Item 16720.3 supply, deliver, install test and commission perimeter fiber optic detection and security system with vibration and continuity sensing for 5000m area complete with detection and monitoring system as given in technical spec. Please clarify whether the vibration proof fiber bandwidth specification is 1,000M 01' 10, OOOM?		The optical fiber should carry data at a rate of 1GB/s
33	Electrical Installation Item 16750.01 supply, deliver, and connect VOIP handset with 13248 pixel backlit graphical LCD display, dual color line keys (with 2 SIP accounts and up to 2 call appearances), 3 XML programmable context-sensitive soft keys, 3-way conference HD wideband audio, superb full-duplex hands-free speakerphone with advanced acoustic echo cancellation and excellent double-talk performance, Large phonebook (up to 500 contacts) and call history - up to 200 records. Operating temperature: 0°C to 40°C. Please clarify whether the IP phone bandwidth specification is 100M or 1,000M?		Should be capable of high speed connection with audio 10/100/1000 Mbps Gigabit Ethernet with integrated PoE
34	Referring to <i>Technical Specifications & Methods of Measurement, Division 13 Section 13720-IP CCTV Surveillance System</i> . Does the following 7 types of cables used for Monitoring signal line? If not, where is the wiring places for these cables? (These type of cables are not specified in the BOQ list.) a) 23 AWG Annealed bare solid copper, CAT-7 UTP Cable, Channel		As far as it supports Gigabit Ethernet and fast Ethernet and passes UL standards and meets cat6 standards, it is possible to use it.

	<p><i>optimized to 350 Mhz</i></p> <p>b) Meets EIA/TIA 568-B.2-1 Category 6 specifications, Passed UL 444 test and meets CM and CMR ratings</p> <p>c) <i>Worst Case Cable Skew: 45 nsec/100 meters</i></p> <p>d) d) Characteristic Impedance: 100(+/- 3) Ohms 500MHz, Tested till 700 Mhz</p> <p>e) <i>Conductor Annealed copper wire Diameter 0.52 mm (nominal)</i></p> <p>f) <i>Insulation High Density polyethylene, Diameter 0.94 mm (nominal)</i></p> <p>g) Support for Fast Ethernet and Gigabit Ethernet IEEE 802.3/5/12, Voice, ISDN, ATM 155 & 622 Mbps and Broadband.</p>		
<p>35</p>	<p>Technical specification: DIVISION 13, Section 13850 - FIRE ALARM SYSTEM. INITIATING DEVICES (show as follows). There is no fire alarm and firefighting schematic drawing (is there air sampling smoke detection system for warehouse? We cannot find in BOQ). Please clarify.</p> <p><i>A.Addressable Manual Station: Semi-Flush mounted, coded type, single station with break-glass rod. Provide manufacturer's standard back panel.</i></p> <p><i>B.Addressable ceiling mounted Heat Detector: Combination 1-rise and fire temperature, 57 degree C and</i></p>		<p>Fire alarm system for individual buildings is indicated in the respective buildings. Regarding the fire alarm schematic, the fire detection system in the whole compound is connected to the main fire alarm control station through the fiber optic schematic diagram indicated. So separate fire alarm schematic is not indicated.</p>

	<p><i>temperature rate of rise of 8.3 degrees C.</i></p> <p><i>C. Addressable Ceiling Mounted Smoke Detector: Ionization type with plug-in base visual indication of detector actuation.</i></p> <p><i>D. Addressable Duct Mounted Smoke Detector: Ionization type.</i></p>		
36	<p>In Bidding Document, Section IV. Bidding Forms, Table C. Summary of Payment Currencies, there is no CONTINGENCY ALLOWANCE (10% Net Bid Price), which is conflict with BOQ summary. VAT calculated according to Table C and total bid price is different from BOQ summary. Please clarify.</p>		<p>Contingency Allowance is only to be shown in the BoQ summary for Employers Budgetary purpose. But Table C of the Bid Form in the Bidding Document is to show currency proportions of the Bidders, in which no need of computing contingency amount.</p> <p>Therefore, Bidders are advised to prepare their proposal as per the forms in the BoQ and in the Currency summary table as stipulated in the original forms.</p>
37	<p>According to your Response for Clarification Responses dated on August 20,2020, query No. 11: "Custom Duty for Construction items to be used for this specific will be covered by the Employer". Please kindly clarify what "items to be used for this specific" specifically refers to, especially what are the items related to this project for which the employer covers the custom duties?</p>		<p>The Bidder has full information about the scope of the works. Therefore, construction items/goods used for the implementation of the scope of the works and only those items/goods which the Contractor cannot procure from markets in the Employer's country will be included as Custom Duty privileged. Subject to the request of the Contractor and approval of the Employer, when construction items/goods that are available in the markets of the Employer's country become scarce, such items/goods will also be imported and are included as Custom Duty privileged.</p>
38	<p>Please kindly clarify whether Technical Proposal and Financial Proposals shall be sealed in separate envelopes</p>		<p>Bidders are advised to prepare and seal the Bid Proposals according to ITB 21: Sealing and Marking of Bids and any such corresponding clauses of the Bidding Documents.</p>
39	<p>For the required specific experience, please kindly clarify whether experience of the subsidiaries of the bidder is acceptable for your esteemed office.</p>		<p>Please refer Section III. Evaluation and Qualification Criteria (Without Prequalification) in the Bidding Document for detail compliance requirements.</p>
40	<p>For the required specific experience,</p>		<p>Similarity in physical size, complexity, Methods/Technology and /or other</p>

	please kindly clarify, besides the dry port whether other projects such as sea ports, docks, etc, with similar physical size, complexity, methods/Technology and /or other characteristics is acceptable for your esteemed office.		characteristics can be judged during the Bid Evaluation process based on Works Requirements described under Section VII of the Bidding Document.
41	In Bill No. 4.3, Weighing bridge of BoQ, the required weigh bridge as per the detailed specification including the control booth is 2, while the required quantity in General Layout is 1, please kindly clarify.		Bidders are advised to take the quantity 2, as per Bill No. 4.3 of the BoQ. The layout shall be modified during construction implementation.
42	Please kindly clarify whether 20% Advance Payment will be paid in full at one time		Yes, 20% Advance Payment will be paid in accordance with PCC 14.2 upon submission of equivalent guarantee.
43	In the clarification materials provided by the Employer, File Drawings CAD/FP March 13-2020 Modjo, there are another two BoQ excel documents. Please clarify whether the bidder should consider these two BoQ files, or the Bidder should focus on the previous BoQ only.		The Bidder shall not consider the two BoQ Excel files which are placed in the Drawing files wrongly.
44	In Sub clause 6.5 of particular conditions, the normal working time is provided as local time, while the time set therein is to be understood as Gregorian time otherwise the normal working time is not reasonable. Please, clarify the normal working time set therein in local time or Gregorian time		Normal working hours as per PCC 6.5 shall be: Monday to Saturday from 8:30 AM - 1:30 PM and 5:30 PM - 17:30 PM local time.
45	In the typical drawing provided for pavement design for workshop and container cleaning area, there is one layer of Asphalt cement sealant on the top of concrete paving blocks, of which the thickness and specification is not		<ul style="list-style-type: none"> • In pavement design report, table 3.26, for <i>Operational area of Workshop and Container cleaning area</i> recommended reinforced concrete C35/45 sealed against fluids underlain by 30cm thickness Unbound base course and 15cm crushed sub-base and concrete paving blocks pavement not recommended for these two operational area. • Concrete is porous, which means air, grease, oil and water can pass through from

	provided by the Employer. Please provide the same and clarify.		<p>one side to the other Concrete sealers protect the concrete from exposure to water, grease and oil stains which finally penetrate into natural ground. For sealing of top of reinforced concrete the Rapid curing bitumen grade 60/70 spraying of two layers is sufficient to cover the voids of concrete.</p> <p>NB <i>Both workshop and container cleaning area pavement design are reinforced concrete grade 35/45 and not concrete paving blocks.</i></p>
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