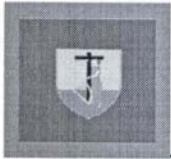


PWD WORKSHOP

Supply and Delivery of Hose Assembly Machine

February 2015



MINISTRY OF COMMUNICATIONS, WORKS & LABOUR

P O BOX 314, BRADES, MONTSERRAT, W I

◆ Tel (066) 491-2321/2322 ◆ Fax (066) 491-0819 ◆ E-mail msc@mt.gov.ms

February 2nd, 2015

Dear Sir/Madam,

Re: Tender for the Supply and Delivery of Hose Assembly Machine

You have been invited to tender for the supply of one Hose Assembly Machine to be delivered to Ministry of Communications, Works & Labour Headquarters, Brades, Montserrat. Attached are the tender documents consisting of:

1. Instruction to Tenderers
2. Document Check List
3. Form of Tender
4. Form of Agreement
5. Bill of Quantities
6. Hose Assembly Specifications

Please print and return a complete document of the Priced and signed Form of Tender, Tender Checklist, Bill of Quantities and a copy of your Tax Compliance Certificate (*If Locally based*).

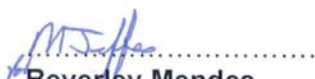
These should be placed in an inner envelope and addressed to, The Chairperson, Public Procurement Board, Ministry of Finance and Economic Management, Brades, MSR1110, Montserrat. The name of the project should be written on this inner envelope and should read, "Tender for the Supply and Delivery of Hose Assembly Machine". The name of the tenderer should be written on the inner envelope.

The inner envelope should be placed in an outer envelope addressed to **The Chairperson, Public Procurement Board, Ministry of Finance and Economic Management, Brades, MSR1110, Montserrat. The name of the project should also be written on this outer envelope and should read, "Tender for the Supply and Delivery of Hose Assembly Machine".** The outer envelope should bear no identification of the tenderer. Tenders are to be received no later than **2:00p.m on Wednesday February 25th 2015.** Please ensure that no additional marks are placed on the outer envelope.

Given the nature and urgency of the equipment, the supplier will be expected to supply the equipment in as little time as possible. Delivery time will constitute an important component in the tender evaluation process.

Any queries relating to the tender should be made in writing to the Director, Public Works Department.

Yours faithfully,



**Beverley Mendes
The Chairperson
Departmental Tender Committee
Ministry of Communications, Works and Labour**

Instructions to Tenderers

1. The contract conditions adopted for this project will be the Montserrat General Conditions of Contract.
2. Tenderers are to complete the **Form of Tender**, **Document Check list** and **Bill of Quantities** for the works. Failure to fully complete these documents may lead to their bid becoming non-compliant and rejected.
3. All works undertaken will be the subject of taxation in accordance with the current legislation. Tenderers must submit a current Tax Compliance Certificate with their bid ***if locally based***.
4. Tenders and all supporting documents should be enclosed in an inner envelope duly sealed and bearing the words, "**Tender for the Supply and Delivery of Hose Assembly Machine**" and addressed to **The Chairperson, Public Procurement Board, Ministry of Finance and Economic Management, Brades, MSR1110, Montserrat**. The name of the tenderer **should** be written on this inner envelope. Tenders should then be placed in an outer envelope, duly sealed and addressed to **The Chairperson, Public Procurement Board, Brades, MSR1110, Montserrat**. Tenders should be received no later than **2:00pm Wednesday February 25th 2015**. **The name of the project should be written on the outer envelope and should read "Tender for the Supply and Delivery of Hose Assembly Machine"**. ***The name of the Bidder should not be written on this outer envelope***. Tenders should not have any additional marks on the envelope. **Late tenders will not be considered**.
5. All tenders will be arithmetically checked, any errors will be brought to the tenderers attention. The **rates supplied** would be the basis for the arithmetic correction and would be the determining factor for any queries about the corrected price.
6. Tenderers are not allowed to submit alternative bids.
7. The Employer is not bound to accept the lowest tender and has the right to accept and reject any tender.
8. The currency to be used in the completion of this document is **Eastern Caribbean Dollars (XCD)**. In addition the subsequent contract would also be based in **Eastern Caribbean Dollars (XCD)**.
9. Tenderers **must** provide a detailed statement of length of warranty on the equipment.
10. Tenderers **must** provide the client with all user manuals and other operating instructions which are supplied with the equipment.
11. All tenderers must provide a signed receipt in respect of circular tender addendum. Electronic acknowledgement would be considered acceptable.

Brief description of the Works

- Source and delivery of Hose Assembly Machine and deliver to Ministry of Communications, Works & Labour Headquarters, Brades, Montserrat.

FORM OF TENDER

The Chairperson
Public Procurement Board
Ministry of Finance and Economic Management
Government Headquarters
Brades
Montserrat

Dear Sir/Madam,

Re: Tender for the Supply and Delivery of Hose Assembly Machine

I/We the undersigned undertake to the supplying of the above equipment be delivered to
Ministry of Communications, Works & Labour, Montserrat:

Eastern Caribbean Dollars \$

.....
(words).....
.....
.....

If my/our tender is accepted, I/We undertake to deliver the equipment within
 Weeks from the date of receipt by me/us of the official order. I/We understand
I/We shall not be reimbursed for any cost that may have been incurred in compiling this
tender.

I/We confirm this tender shall remain valid for a period of 90 days from the date of
submission of this tender.

Name.....

Signed.....

Name of firm (If Applicable)

Address.....

.....

Tel. nr.....

Fax nr.....

Email Address

Date.....

GOVERNMENT OF MONTSERRAT (GOM)

GENERAL CONTRACT CONDITIONS FOR THE SUPPLY AND DELIVERY OF HOSE ASSEMBLY MACHINE

This Agreement is made the..... day of..... **2015** between the **GOVERNMENT OF MONTSERRAT** having its headquarters at Government Headquarters, Brades, Montserrat acting herein and represented by the Permanent Secretary, Ministry of Communications, Works and Labour (hereinafter referred to as "**GOM**") of the one part and (supplier's company) whose address is acting herein and represented by (name of representative) (hereinafter referred to as "**the Supplier**") of the other part.

1. INTERPRETATION

1.1. In these conditions:-

The Contract means the agreement concluded between the **GOM** and the Supplier including all specifications which are described and attached hereto to include the tender instructions, scope of works and other documents which may be incorporated or referred to herein;

The Purchaser means **GOM**.

The Supplier means the company/ companies/ individuals that have responsibility for sourcing and supplying of the Hose Assembly Machine.

The Administrator or CA means the duly authorized representative of **GOM** for the administration of this Agreement who has care and control of this Contract and whose name will be provided to the Supplier. The Administrator shall have final authority for acceptance of the **Suppliers** performance, and if satisfactory, shall initiate the process for approval of payment to **the Supplier**. No payment shall be made without such approval.

The Contract Price means the gross price to be paid by **GOM** and the method of payment of the Contract Price shall be agreed between the parties.

The Specification means the **GOM's** requirements for the supplying of the hose assembly machine, the details of which have been provided to the Supplier.

2. VARIATIONS OF CONDITIONS

The sourcing and supplying of the Hose Assembly Machine shall be carried out in accordance with these Conditions and requirements and no amendment or variation

either to the terms and conditions or to the requirements shall be made unless agreed in writing between the parties and incorporated into this agreement.

3. NON-DELIVERY

Without prejudice to any other right or remedy, should the Supplier not deliver the Services or any portion thereof within the time or times specified in the Contract, except in cases of force majeure and subject always to the receipt of written notice within 5 days of the force majeure event relied on or if the Services are delayed due to events outside of the Supplier's control, in which case the Supplier shall be entitled to a fair and reasonable time for such delay, then:

- 3.1 The **GOM** shall be at liberty to determine the Contract and to procure services of the same or similar description from another Supplier to make good such default; and,
- 3.2 The **GOM** shall recover from the Supplier any sum or sums paid to the Supplier in respect of the services. Also, the **GOM** shall be able to recover from the supplier any increased costs resulting from obtaining supplies from an alternative supplier.

4. PAYMENT

- 4.1 As full consideration for the Services performed by the Supplier under the terms of this Contract, the **GOM** will pay the fees as outlined within 30 days of receipt of an invoice, payable against original invoices delivered to the **GOM** by the Supplier, provided that **GOM** give notice in writing of its intention not to pay such fee and provide the relevant reason where:
 - a. The Supplier has failed to carry out services, or has inadequately carried out services required by this Contract to be carried out and has not remedied such failure or deficiency within a reasonable time;
 - b. The Supplier, by act or omission has caused damage to personnel or property of the **GOM** or any third party;
 - c. there is a breach of any other provision of this Contract; and upon giving such notice the **GOM** may withhold payment accordingly.
- 4.2 **GOM**, whenever under the Contract any sum of money shall be recoverable from or payable by the Supplier, the same may be deducted from any sum then due or which at any time thereafter may become due to the Supplier under the Contract as a debt, providing that such sum is agreed by the parties as recoverable by GOM or has been fully ascertained and substantiated.
- 4.3 If any fee or portion thereof payable under this Agreement shall be unpaid 40 days after receipt of an original invoice in respect of such fee the Supplier may give notice to the **GOM** requiring the **GOM** to pay such fee or part thereof and if the **GOM** shall fail to comply with such notice, the Supplier may terminate or suspend this Contract immediately. Nothing stated in this provision shall operate to impair the right of the Supplier to recover any such fee in any other manner.

- 4.4 Any payment made after the due date for payment shall attract interest at a rate of 2% per centum.

5. INDEMNITY AND INSURANCE

- 5.1 Supplier shall be liable for and shall indemnify the **GOM** against any liability, loss, costs, expenses, claims or proceedings whatsoever arising under any statute or common law in respect of:-
- 5.1.1 Any loss of or damage to property (whether real or personal) caused by the Supplier, its servants or agents; and
- 5.1.2 Any injury to any person including injury resulting in death, in consequence of or in any way arising out of any negligent act or omission which may arise in the performance of the Contract by or on behalf of the Supplier except insofar as such loss, damage or injury shall have been caused by negligence on the part of the **GOM**, its employees, servants or agents.
- 5.2 The Supplier shall only be liable to pay compensation to the Purchaser under or in connection with this Contract if a breach of clause 3 is established against the Supplier.

Notwithstanding any other term to the contrary in this Contract or any related document and whether the cause of action for any claim arises under or in connection with this Contract in contract or tort, in negligence or for breach of statutory duty or otherwise, in relation to any and all causes of action as aforesaid the total liability of the Supplier in the aggregate for all claims shall be limited to the lesser of

- a) sum equivalent to ten (10) times the fee payable under this Contract or
 - b) 1,000,000.00 pound sterling.
- 5.3 Neither party shall be liable to the other for any indirect, special or consequential loss (including but not limited to loss of profit whether direct or indirect, loss of production, loss of contracts, loss of use, loss of business, and loss of business opportunity.
- 5.4 Further and without prejudice to the aforesaid limit of liability and such liability of the Contractor/Consultant/Supplier for the loss or damage in respect of any claim or claims shall be limited to such sum or sums as it would be just and equitable for the Contractor/Consultant/Supplier to pay having regard to the Contractor's /Consultant's responsibility for the same and on the basis that:
- a) all other parties appointed or to be appointed by the Purchaser to perform related services in connection with the Project shall be deemed to have provided undertakings on terms no less onerous than this Contract and shall be deemed to have paid to the Purchaser such contribution as it would be just and equitable for them to pay having regard to their responsibility for the loss or damage; and
 - b) it shall be deemed that all such other parties have not limited or excluded their liability to the Purchaser for the loss or damage in any way which may be prejudicial to the Contractor's/Consultant's liability under this clause

6. INSURANCE

- 6.1 The Supplier shall insure against its full liability under this Contract.
- 6.2 The Supplier shall produce to **GOM**, upon request, documentary evidence that insurance is properly maintained.

7. ASSIGNMENT

- 7.1 The **GOM** shall be entitled to assign the benefit of this Contract or any part thereof and shall give written notice of any assignment to the Supplier.
- 7.2 The Supplier shall not:-
 - 7.2.1 Assign the Contract or any part thereof or the benefit or interest of the Contract without the prior written consent of the **GOM**; or
 - 7.2.2 Subcontract any provision of the Contract or any part thereof to any person without the previous written consent of the **GOM**, **such consent shall not be unreasonably withheld or delayed**, which if given shall not relieve the Supplier from any liability or obligation under the Contract and the Supplier shall be responsible for the acts, defaults, or neglect of any sub-Supplier or his agents or employees in all respects as if it were the acts, defaults or neglect of the Supplier or its agents or employees.

8. CONFIDENTIALITY

- 8.1 All information, requirements, documents and other data which the **GOM** may have imparted and may from time to time impart to the Supplier relating to its business, employees, customers, prices, requirements, or any computer system (including hardware and software or maintenance thereof) and including any technical specifications is proprietary and confidential.
- 8.2 The Supplier hereby agrees that it shall use such confidential information and all other data solely for the purposes of this Contract and that it shall not at any time during or any time after the completion, expiry or termination of this Contract, disclose the same whether directly or indirectly to any third party without the **GOM's** prior written consent.
- 8.3 The obligations set forth in Clauses 8 and 16 shall expire two (2) years after the termination of the Contract.

9. BRIBERY AND CORRUPTION

Either party shall be entitled to determine the Contract and to recover from the other party the amount of any loss resulting from such action if:-

- 9.1 Any party that has offered or given or agreed to give to any person any gift or consideration of any kind as inducement or reward for doing or forbearing to do or for having done or forborne to do any action in relation to the Contract or any other contract with the other party; or
- 9.2 The like acts shall have been done by any person employed by the Parties or acting on its behalf (whether with or without the knowledge of the Party); or
- 9.3 In relation to any contract with the **GOM** the Supplier or person employed by it or acting on its behalf shall:-
 - 9.3.1 Have committed an offence under the Integrity in Public Office Act No. 2 of 2010 or
 - 9.3.2 Have given any fee or reward, the receipt of which is an offence, under the relevant laws.
- 9.4 In the performance of their obligations under or in connection with this Contract the parties, their agents and employees shall comply with all applicable laws, rules and regulations including and not limited to the Bribery Act 2010 and where appropriate ,the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions.

10. TERMINATION

- 10.1 The **GOM** may terminate this Contract in any of the circumstances set out in 10.2 below by giving to the Supplier notice in writing where the Supplier;-
 - 10.1.1 commits a material breach of any of its obligations under this Contract; and despite notice of such breach in writing by the Purchaser to the Supplier, the Supplier fails to remedy such breach within 14 days of the notice then the Purchaser may terminate the Contract forthwith.
 - 10.1.2 becomes bankrupt or makes a composition or arrangement with its creditors or has a proposal in respect of its company or partnership for the voluntary arrangement for the composition of debts or scheme or arrangement approved in accordance with the Companies Act or the Bankruptcy Act;
 - 10.1.3 Has a winding-up order made or (except for the purposes of amalgamation or Reconstruction) a resolution for voluntary winding-up passed;
 - 10.1.4 has a provisional liquidator, receiver or manager of its business or undertaking duly appointed;
 - 10.1.5 has an administrative receiver appointed;
 - 10.1.6 has possession taken by or on behalf of the holders of any debentures secured by a floating charge of any property comprised in or subject to the floating greater than US\$25,000.00

10.1.7 Is in circumstances which entitle a court or creditor to appoint or have appointed a receiver, a manager or administrative receiver or which entitle a court to make a winding-up order; then in any such circumstances the **GOM** may without prejudice to any accrued rights or remedies under this Contract, terminate the Contract by giving notice in writing.

10.2 If the Contract is terminated as provided in this condition then the **GOM** shall:-

10.2.1 Cease to be under any obligation to make further payment until the costs or loss resulting from or arising out of the termination of this Contract shall have been calculated, and shall make such payment only in accordance with a court order or pursuant to the applicable law;

10.2.2 Be entitled to repossess any of its Equipment (if any) in the possession of the Supplier;

10.2.3 Be entitled to deduct any losses to the **GOM** resulting from or arising out of the termination of this Contract (from any sum or sums which would but for the termination of the contract as aforesaid have been due from the **GOM** to the Supplier as a debt). Such loss shall include the reasonable cost to the **GOM** of the time spent by the **GOM** in terminating of the Contract as aforesaid have been due to the Supplier.

11. WAIVER

11.1 The failure by either party to enforce at any time or for any period any one or more of the terms or conditions of this Contract shall not be a waiver of them or of the right at any time subsequently to enforce all terms and conditions of this Contract. No waiver of any default or non-performance by any party shall be considered a waiver of any subsequent default or non-performance.

12. COMPLETE CONTRACT

12.1 This Contract supersedes any prior Contract between the parties whether written or oral relating to the subject matter hereof, but without prejudice to any rights which have already accrued to either of the parties.

13. GOVERNING LAW

13.1 This Contract shall be governed by the laws of Montserrat in every particular and shall be deemed to be made in Montserrat.

14. FORCE MAJEURE

Both parties shall be released from their respective obligations in the event of national emergency, natural disaster, war, prohibitive governmental regulation or if any other cause beyond the reasonable control of the parties or either of them renders the performance of this Contract impossible whereupon all money due under this Contract shall be paid immediately.

15. NOTICES

15.1 Any notice required to be served under this Contract shall be in writing and may be served by electronic mail to the correct address, facsimile transmission to the correct number, post or hand delivery to the last known business address of the party upon whom it is being served. Notice shall be deemed to have been effected within 24 hours of the date of sending of the notice when sent by electronic mail or facsimile transmission, within 72 hours of the date of posting of the notice when sent by post and upon delivery when hand delivered.

15.2 A notice shall be delivered as follows:

A. if to the Supplier, to:

Name:.....
Designation:.....
Address:.....
.....
Tel:.....
Fax:,
Email:.....

B. if to the **GOM**, to:

Beverley Mendes
Permanent Secretary
Ministry of Communications, Works and Labour
Brades
Montserrat
Tel: (664) 491-2521 or 2522
Fax: (664) 491-6659
Email: mcw@gov.ms
Email: mendesb@gov.ms

16. CONFIDENTIALITY

16.1 The Supplier shall not at any time during or after the term of this Contract divulge or allow to be divulged to any person any information which comes into its possession by virtue of its performance of this Contract, which relates to the business and affairs of the **GOM** except upon authorization by the **GOM**. The Supplier shall not seek to acquire any such information outside of the performance of its duties under this Contract.

17. MEDIATION AND ARBITRATION

17.1 If a dispute arises under this Contract, the parties agree to first try to resolve the dispute through mutual agreement within 14 days. If unsuccessful, then the dispute shall be settled with the help of a mutually agreed-upon mediator in Montserrat. The parties shall share any costs and fees other than attorney fees associated with the mediation equally.

18. SIGNATURES

18.1 Each party represents and warrants that on this date they are duly authorized to bind their respective principals by their signatures below.

IN WITNESS WHEREOF, the parties have executed this Contract on the dates set forth first above, with full knowledge of its content and significance and intending to be legally bound by terms hereof.

Insert names etc.

A. SUPPLIER

Name.....

Designation.....

Signature.....

Witness Name.....

Designation.....

Signature.....

B. GOM

Name.....

Designation.....

Signature.....

Witness Name.....

Designation.....

Signature.....

BILL OF QUANTITY

Item	Description	Units	Qty	Rate EC\$	Total EC\$
<p>1.00 1.01</p>	<p>Hose Assembly Machine Supply and Delivery of Hose Assembly Machine to the Ministry of Communications, Works & Labour, Brades Montserrat. Include for the provision of all warranty information and user manuals. In addition include for all the cost associated with getting the Hose Assembly Machine to Montserrat. The Hose Assembly Machine must match the specifications listed in the tender dossier. This includes the machine, power supply, tools for Disassembling & Assembling hose and reusable couplings and tools for crimping permanent couplings. Also included are sample hose sizes machine would be used on as well as sample of equipment the hoses would be required to be used on.</p> <p>N.B. The supplier is responsible for any and all shipping and transportation cost that would be incurred in getting the Hose Assembly Machine to Montserrat.</p>	No.	1		
Total Value					

HOSE ASSEMBLY MACHINE SPECIFICATIONS

MACHINE TYPE	MACHINE SPECIFICATIONS
HOSE ASSEMBLY MACHINE	<p>Capacity 50 Ton at 10,000 PSI / 700 BAR (68,900 kPa)</p> <p>Weight – Approx. 350 Lbs / 159 Kgs</p> <p>Gauge & Fittings Rated Capacity 10,000 PSI (68,950 kPa)</p> <p>Capable of Working with a Variety of Hoses Ranging from 2500 psi to 6000 psi (17,237kPa to 41,370 kPa)</p> <p>Capable of Assembling Reusable and Permanent Couplings</p> <p>Compact Size Mounted to Workbench or Stand</p>

POWER SUPPLY FOR HOSE ASSEMBLY MACHINE

<u>PART</u>	<u>SPECIFICATIONS</u>
PUMP	1-1/2 Horsepower, Single Phase, 115V, 50/60 Hz
All Additional Parts Necessary to Connect/Plumb the Power Supply to Hose Assembly Machine	

Tooling for Disassembling and Assembling Hose and Reusable Couplings

Quantity	Description
1	Accessory Group
1	Hose Tool Group – Hose with Max. W.P.- 5000 psi & 6000 psi (34,474 kPa& 41,370 kPa)
1	Hose Tool Group - Hose with Max. W.P.- 2500 psi to 4000 psi (17,237 kPa to 28,000 kPa) & Dash Size: -6 to -32 (3/8 in. to 2 in.)
1	Reusable Coupling Hose Gauge Kit
1	1.5 inch Accessory Group - Hose with Max. W.P.- 6000 psi (41,370 kPa)
1	2.0 inch Accessory Tool Group - Hose with Max. W.P.- 6000 psi (41,370 kPa)
1	Stem Expander , -12 (3/4 inch), Hose with Max. W.P.- 6000 psi (41,370 kPa)
1	Stem Pusher , -12 (3/4 inch), Hose with Max. W.P.- 6000 psi (41,370 kPa)
1	Pusher Assembly , -12 (3/4 inch), Hose with Max. W.P.- 6000 psi (41,370 kPa)
1	Stem Pusher , -16 (1.0 inch), Hose with Max. W.P.- 6000 psi (41,370 kPa)
1	Pusher Assembly , -16 (1.0 inch), Hose with Max. W.P.- 6000 psi (41,370 kPa)
1	Stem Expander , -16 (1.0 inch), Hose with Max. W.P.- 6000 psi (41,370 kPa)

W.P. = Working Pressure

Tooling Required for Crimping Permanent Couplings

Quantity	Description
1	Stand, Tilt
1	Variable Crimping Bowl Assembly
1	Die Rest
1	Die Separator
1	Separator Ring
1	Spring
1	Snap Ring
1	Die Selection and Crimp Bowl Settings Chart
1	Sleeve
1	Crimp Tool Group

HOSE DIMENSIONS

							MIN. BUSRT		MAX. WORKING		MIN. BEND	
HOSE LENGTH		HOSE I.D.		HOSE DASH	HOSE O.D.		PRESSURE		PRESSURE		RADIUS	
(in)	(mm)	(in)	(mm)	SIZE	(in)	(mm)	(psi)	(kPa)	(psi)	(kPa)	(in)	(mm)
600	15240	0.375	9.5	-6	0.81	20.50	16,000	110,316	4000	28,000	2.50	64
600	15240	0.500	12.7	-8	0.94	23.8	16,000	110,316	4000	28,000	3.50	89
600	15240	0.625	15.9	-10	1.07	27.4	16,000	110,316	4000	28,000	4.00	102
600	15240	0.750	19.1	-12	1.22	30.9	16,000	110,316	4000	28,000	4.75	121
600	15240	1.000	25.4	-16	1.50	38.2	16,000	110,316	4000	28,000	6.00	152
600	15240	1.000	25.4	-16	1.52	38.7	24000	165,474	6000	41,370	6.50	165
600	15240	0.500	12.7	-8	0.85	21.5	8000	55,159	2000	13,790	7.01	178
600	15240	0.750	19.1	-12	1.13	28.6	5000	34,474	1250	8619	9.49	241
600	15240	1.000	25.4	-16	1.44	36.6	4000	27,580	1000	6895	12.01	305
600	15240	0.250	6.4	-4	0.62	15.7	20,000	137,896	5000	34,474	4.02	102
600	15240	0.500	12.7	-8	0.91	23.1	14,000	96,527	3500	24,132	7.01	178
600	15240	1.500	38.1	-24	2.11	53.5	10,000	68,947	2500	17,238	10.00	254

I.D. – INNER DIAMETER

O.D. – OUTER DIAMETER

COUPLINGS FOR VARIOUS EQUIPMENT TYPES

HOSE FITTING	EQUIPMENT TYPE COMPATABILITY
COUPLING ASSORTMENT	<p>Caterpillar Bulldozer D8R Caterpillar Bulldozer D6HXL</p> <p>Caterpillar Backhoe 422E Caterpillar Wheel Loader 966F</p> <p>Caterpillar Excavator 330B Komatsu Grader GD670</p> <p>Bobcat S250 TurboDynapacCC224HF</p> <p>Dynapac CA150</p>
COUPLING TYPES: REUSABLE and PERMANENT COUPLINGS	