

# Call for tender **2018.184**

Sale of Rolling stock

Workshop of Merelbeke

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## Art.1 Brief description

NMBS sells one Diesel-Hydraulic locomotive type 91, with reference 9150. That material is currently parked at the premises of the workshop of Merelbeke. It is no longer able to drive and has to be moved by truck.

Many parts are missing, amongst which the motor.

The material is sold as is. NMBS cannot guarantee the weight mentioned on the technical data sheet.

## Art.2 Offer

We kindly ask you to remit your offer according to the enclosed submission form.

In order to estimate your best price, and the terms of transport, it is mandatory to come and inspect the machine on site.

Your offer must reach us on 16<sup>th</sup> of October 2018 at 16h00 AT THE LATEST. Please send your offer to [quote.materials@b-rail.be](mailto:quote.materials@b-rail.be) . Offers which reach us after this date will not be accepted.

## Art.3 Visitation

To visit the locomotive, please contact the person in charge of the rolling stock at the workshop:

Address: SNCB Technics – Workshop of Merelbeke - Gontrodestraat 222 - 9050 Gentbrugge  
Contact: Thomas Diependale, [thomas.diependaele@b-rail.be](mailto:thomas.diependaele@b-rail.be)  
Mario Selis, 00 32 9 2413956, [mario.selis@b-rail.be](mailto:mario.selis@b-rail.be)

The safety shoes and yellow jacket are mandatory in all our workshops. Depending on the place you go, it is possible that you would be asked to wear safety glasses or hat as well. Thank you to verify this with the persons on the site.

## Art.4 Collection

The material is no able to drive and has to be moved by truck. The transport and, if needed, the loading on a truck are fully at the charge of the buyer, starting from the current location. The forwarder will have to organise the loading without help from the workshop.

It is the responsibility of the buyer to inform his transporter about the terms of collection, this to avoid every discussion.

The collection of the material has to take place within **2 weeks after the open sales closure**.

In case the material is not purchased for re-use but as valuable waste, it is formally forbidden to disassemble it on site, except for rare exceptions to be determined in advance and in writing with



the workshop. The purchaser is also required to provide to the workshop a certificate of destination of the waste.

The pick-up must be done on a weekday and after the service hours, **so after 16.00 hrs**. An appointment is required for the planning of the collection of the material. Please contact the persons in charge of the rolling stock at the workshop who are mentioned on the Art.3 of the present document to do so, and this, as soon as possible after assignment of the material.

The safety and environmental rules in place in all the installations are to be respected scrupulously.



Art.5 Technical drawing (not available in English)

**Diesel-hydraulische locomotief reeks 91 (1)**

<p><b>1.</b> Motor</p> <p><b>2.</b> Koppelvormer</p> <p><b>3.</b> Omkeerder</p> <p><b>4.</b> Ventilator</p> <p><b>5.</b> Radiator</p> <p><b>6.</b> Gasolievergaarbakken</p> <p><b>7.</b> Expansie vat</p> <p><b>8.</b> Batterijen</p> <p><b>9.</b> Luchtreservoirs</p> <p><b>10.</b> Compressor</p> <p>* Nrs van omgevormde HLM</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>9104</td> <td>9133</td> <td>9141</td> <td>9148</td> </tr> <tr> <td>16</td> <td>35</td> <td>42</td> <td>55</td> </tr> <tr> <td>26</td> <td>36</td> <td>44</td> <td>56</td> </tr> <tr> <td>29</td> <td>37</td> <td>46</td> <td>58</td> </tr> <tr> <td>30</td> <td>40</td> <td>47</td> <td>59</td> </tr> </table> <p>Nummering : 9101 – 9160 Omgevormd voor automatische koppeling</p>	9104	9133	9141	9148	16	35	42	55	26	36	44	56	29	37	46	58	30	40	47	59	<p><b>Algemeenheden</b></p> <p>Effectief: bij constructie 60</p> <p>Type: B</p> <p>Massa: volledig rijklaar ton 35</p> <p>Bevoorradingen:</p> <ul style="list-style-type: none"> <li>- gasolie l 360</li> <li>- smeerolie vr. motor l 36</li> <li>- smeerolie vr. overbrenging l 170</li> <li>- koelwater dieselmotor l 100</li> <li>- zand kg 100</li> </ul> <p>Vermogen:</p> <ul style="list-style-type: none"> <li>- Dieselmotor kW 245</li> <li>- Beschikbaar (volgens UIC-fiche 622.0) kW 220</li> </ul> <p>Max. kracht bij aanzetten (<math>\mu = 0,25</math>)</p> <ul style="list-style-type: none"> <li>- in 1e gang: 86</li> <li>- in 2e gang: 67</li> </ul> <p>Voortdurende trekkracht</p> <ul style="list-style-type: none"> <li>- in 1e gang: kN 96</li> <li>- in 2e gang: kN 46</li> </ul> <p>Max. snelheid :</p> <ul style="list-style-type: none"> <li>- 1e gang - baandienst km/h 25</li> <li>- rangeerdienst km/h 45</li> <li>- 2e gang - baandienst km/h 35</li> <li>- rangeerdienst km/h 40</li> </ul> <p>Minimum straal voor bochten: m 25</p> <p>Doormeter der wielen: mm 920</p> <p>Remgewicht : P ton 30</p>
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16	35	42	55																		
26	36	44	56																		
29	37	46	58																		
30	40	47	59																		
<p><b>Kastgedeelte</b></p> <p>Bouwer: Cockerill-Ougrée nr. 9101 - 9110 ABR : nr. 9111-9135 // Nivelles 9136-9160</p> <p>Bouwjaar: 1961/64 (Omgevormd)</p> <p>Nummering: 9101 tot 9160</p> <p>Remming: Rechtstreekse rem type Oertikon gecombineerd met een omkeerder ABV1, machinistenkraan type Fd1r.</p> <p>De compressor type Westinghouse 242 VBZ aangedreven door de dieselmotor voedt drie reservoirs met een totale inhoud van 600 l.</p> <p>Een handrem, bediend door een handwiel werkt op een wiel van iedere as.</p> <p>Bedieningsstoel: Dubbele pneumatische bediening in de stuurpost met automatische waakinrichting.</p>	<p><b>Dieselmotor</b></p> <p>Bouwer: General Motors USA</p> <p>Fabricatietype: 12Y71N.</p> <p>Wijze van werking: 2 takt - motorspoeling mechanische luchttoevoer: type : Blower</p> <p>Wijze van insputting: rechtstreeks</p> <p>Regeling van het vermogen: door regeling van de insputting</p> <p>Starten van de motor: door elektr. starter "Delco-Remy". Type 250/Mot. 1109979/24V=1/Rotation CW</p> <p>Nominaal vermogen: kW 245</p> <p>Omwentelingssnelheid: tr/min 1800</p> <p>Cilinders: aantal 12</p> <ul style="list-style-type: none"> <li>schikking V</li> <li>uitboring mm 108</li> <li>slaglengte mm 127</li> </ul> <p>Totale massa: ton 1,540</p> <p>Druk der insputting: bar -</p> <p>Gemidd. effect. druk: bar 6</p> <p>Gemid. snelh. v. zuiger: m/s 7,62</p> <p>Max. koppel: daNm</p> <p>Koelomloop onder druk: bar 0,5</p>																				
<p><b>Overbrenging</b></p> <p>Bouwers: "Esco-Power"</p> <p>Type: Koppelvormer "Twin-Disc" met vrijwiel; type 11500HS390</p> <p>Aard: Koppelvormer en reductor met omkeermechanisme.</p> <p>Wijze van werking: Een koppeling met pneumatische bediening verbindt de motor met de primaire as van de koppelvormer met 3 snelheidsstrappen. De secundaire as staat in verbinding met de omkeerder, dewelke bevat:</p> <ul style="list-style-type: none"> <li>- een ritomschakelaar</li> <li>- 2 rechte tandwielstellen welke de gammawisselaar van snelheid uitmaken (21 - 40 km/h)</li> <li>- een recht tandwielstel, welk de valse as bedient.</li> </ul> <p>Wijze van aandrijving der assen: Het stangenwerk omvat 2 krukken op de valse as en 4 stangen. De 2 assen zijn motorassen.</p>	<p><b>Beschrijvende fiche van diesel-hydraulische rangeerlocomotieven Reeks 91(1)</b></p> <p style="text-align: center;">610.01.20</p> <p style="text-align: center;">Bijvoegsel 1</p> <p style="text-align: center;">2</p>																				

TR.302

610.01.20

Bijvoegsel 1

2



Art.6 Photos





**SUBMISSION FORM****Nr 2018.184**

N°	Material	REF	Soumission en EURO HTVA	
			In numbers	With all letters
1	Diesel Hydraulic locomotive type 91	9150		

Date and signature

