



TITLE: TENDER DOCUMENT & INVITATION TO QUOTE

PROJECT NAME	CONSTRUCTION OF OIL/WATER SEPARATOR (OIL TRAP) & ASSOCIATED CIVIL WORKS AT BIALLA POWERHOUSE
PROJECT LOCATION	BIALLA POWERHOUSE, WEST NEW BRITAIN PROVINCE
PPL QUOTATION NO.	EH316/2020

	Designation	Name
Prepared By	Project Engineer	Mr Nebare G Yaa
Authorized By	Project Manager & Snr. Manager CSE S/NGI	Mr Leo Savinga
Date Prepared	4 September 2020	

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The Team Leader

Tenders, Contracts & Supplier Management

Inventory Management Business Unit

Papua New Guinea (PNG) Power Limited

P. O. Box 1105

BOROKO

National Capital District (NCD)

Papua New Guinea

E-mail: ~~supplyhelpdesk@pngpower.com.pg~~ *tenders@pngpower.com.pg*

Dear Sir/Madam,

SUBJECT: INVITATION TO QUOTATION FOR THE CONSTRUCTION OF OIL/WATER SEPARATOR (OIL TRAP) & ASSOCIATED CIVIL WORKS FOR BIALLA POWERHOUSE

- i. Your company is invited to submit the most competitive quotation for the work mentioned in the captioned subject. The detail descriptions of the works and Technical Specifications are specified in **Section 2** of this **Tender Document**.
- ii. To assist you in the preparation of your quotation, we are enclosing the following:
 - Technical specifications plus scope of works and drawings
 - Instruction to Bidders
 - Draft Contract Agreement format which will be used for finalizing the agreement for this contract
- iii. The Quotation Submission shall consist of the original of each of the following and one (1) copy of each section (Section 2), all duly completed;
 - A) Form of Quotation
 - B) Quotation Data
 - C) Schedule of Rates and Quantities for Variation
 - D) Any other information or documents call for in the Specification or subsequent addenda
 - E) Additional information or documents offered by the Bidder to aid evaluation of the quotation
- iv. You are requested to provide your offer latest in **7 working days** from the date you receive this Document.

v. Tender closes with:

Papua New Guinea (PNG) Power Limited
P. O. Box 1105
BOROKO
National Capital District (NCD)
Papua New Guinea

Submission of quote/tenders shall be 7 working days from the time you receive this notice. That is on Friday ^{25/9} 11, September at 4:0 PM. Quotations received after the closing date will not be considered.

vi. Thank you and we look forward to receiving your quotations and thank you for your interest in this project.

Note: Any enquiries during the Quotation period shall be addressed to:

*The Project Engineer, Civil Team, Generation Business Unit
Papua New Guinea (PNG) Power Limited
P. O. Box 1105
BOROKO
National Capital District (NCD)
Papua New Guinea*

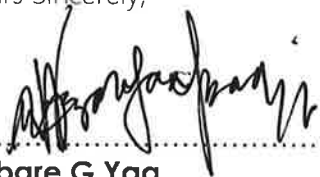
E-mail: nyaa@pngpower.com.pg

Or

*The Team Leader – Tenders, Contracts and Supplier Management
Inventory Management Business Unit
Papua New Guinea (PNG) Power Limited
P. O. Box 1105
BOROKO
National Capital District (NCD)
Papua New Guinea*

E-mail: ~~supplyhelpdesk@pngpower.com.pg~~ tenders@pngpower.com.pg

Yours Sincerely,



Nebare G Yaa
Project Engineer

SECTION ONE (1): DOCUMENT TO SUBMIT WHEN TENDERING

A) QUOTATION FORM

Bidders are required to complete the blank space in the Quotation Form and complete the Schedules included in this Tender Document.

To: Team Leader
Tenders, Contracts & Supplier Management
Inventory Management Business Unit
Papua New Guinea (PNG) Power Limited
P. O. Box 1105
BOROKO
National Capital District (NCD)
Papua New Guinea

Dear Sir/Madam,

1. Having examined the Drawings, Technical Specifications and Scope of Works for the execution of the above named Works, we the undersigned, offer to execute, complete and remedy defects in the whole of the said works in conformity with the said drawings, Conditions of Contract, Technical Specification and Schedule for the sum of (in words & Figures)..... (K.....) or such other sum as may be determined in accordance with the said conditions.
2. We undertake, if our Quotation is accepted, to complete and deliver the whole of the works compromised in the Contract within..... (.....) weeks subject to the said conditions.
3. We agree to abide by the Quotation for the period of 12 months for the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before expiration of that period.
4. Unless and until a Formal Arrangement is prepared and executed, this Quotation together with your written acceptance thereof shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Quotation you may receive.

Signed and sealed for and on behalf of:

Sign:

By:

The.....

of the said Company herein Authorised

in the presence of Address of company Quoting:

B) QUOTATION DATA

i. Sub-Contractor (s)

Bidders shall list the sections of work and the name (s) and address of sub-contractor (s) (if any) nominated to carry out any portion of the works;

Portion of the Work (s)	Sub-Contractor's Name & Address
1. Evaluation	
2.	
3.	
4.	

ii. Contract Supervision

Bidders shall list their proposed supervisory staff for this contract. (Name, contact details & designation)

Name	Contact details (Phone No.)	Designation
1.		
2.		
3.		
4.		
5.		

iii. Statement of Experience

The Bidder shall state hereunder facts in details describing at least three (3) previous experiences and achievements in performing similar or comparable works together with the names of authorities for who, and the dates when such works was carried out.

Project	Name of Employer	Description of Work	Year
1.			
2.			
3.			
4.			
5.			

iv. **Statement of Resources**

The Bidder shall state hereunder facts in detail sufficient to describe his/her resources, including technical, financial, manufacturing and constructional plants and equipment where applicable to carry out this Contract.

a) To be filled by a Corporation or Syndicate only

1. Name:
2. Business Address: Phone:
P. O. Box: Fax:
..... Email:
3. Date Organized/Registered:
4. Current Authorized Capital:
5. Current Subscribed Capital.....
6. Current Paid-Up Capital.....
7. Ownership of Company by Nationality.....
8. Bank/Branch.....

b) To be filled by a Partnership Only (Optional)

1. Name:
2. Business Address: Phone:
P. O. Box: Fax:
..... Email:
3. Date Organized/Registered:
4. Type of Partnership:
5. Name and Address of Partners:
 - a.
 - b.
 - c.
 - d.
 - e.
6. Current Total Capital showing contribution of individual partners:

Partner a: Partner d:

Partner b: Partner e:

Partner c:

c) To be filled by an individual Licensed Contractor only (Optional)

1. Name: Nationality:
2. Business Address: Phone:
P. O. Box: Fax:
..... Email:
3. Date Registered:
4. Capital:
5. Bank/Branch:

d) To be provided by all Bidders:

1. A declaration stating the portion of National Ownership
2. Documentation or evidence providing either NIDA Registration (or exemption) or IPA Certification of the Tender
3. Certificate of Compliance issued by the taxation office
4. VAT Registration Number or Tax

vi. TECHNICAL INFORMATION

The bidder shall provide, if necessary, the following information:

- a.

Clause or Schedule No.	Departures from the Requirement of this Specification with Details of Alternative Proposal
------------------------	---
- b. Details of Specific Products when specifically called for in the specification
- c. Method Statement. Full details shall be given detailing the Proposed Method of Works.

Project Name: Bialla Powerhouse Oil Trap Project					
Project Location: Bialla Powerhouse, West New Britain Province					
Project Owner: PNG Power Limited					
Project Supervision: Civil Team - Generation Business Unit					
Item	Task Description	Unit	Qty	Rate (PGK)	Amount (PGK)
Group 1: General Clauses					
1.10	The contractor shall provide and maintain temporary sheds for the storage of materials & tools for the use of all persons employed on the Site. Those used for the storage of cement and other perishable materials and the like are to be weatherproofed at all times	LS	1		
1.20	Provide, maintain and keep in a clean condition adequate temporary sanitary accommodation and facilities in accordance with local regulations for all persons employed on the Works.	LS	1		
1.30	Allow for supplying temporary electricity for the Works and facilities of the contractor including 'connection, distribution system for the work, internal arrangements and all payment to the authorities for connections. It is the responsibility of the Contractor to ensure steady and uninterrupted power supply to Works. The Contractor shall not be entitled to claim and the Employer shall not pay cost incurred by the Contractor for using electric power generators or for using other alternative power supply method in case there happened to be disruptions to normal power supply due to any reason.	LS	1		
1.40	Allow for provision of water for the works including drinking water, and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and distribution. It is the sole responsibility of the contractor to ensure steady, uninterrupted adequate supply of water required for main contract and nominated sub contract work.	LS	1		
1.50	Allow for Public Relations & Security Matters	LS	1		
1.60	Allow for measures to protect Environment	LS	1		
Group 2: Establishment					
2.10	Allow for mobilization i.e plant, machinery, other equipment including all materials & his work force etc to the site	LS	1		
2.20	Allow for demobilization i.e plant, machinery, other equipments including his workforce and final cleanup of work area.	LS	1		
Group 3: Clearing & Grubbing					
3.10	Clearing & grubbing shall include clearing of all rubbish & weeds grown around the works area including debris blocked off in the existing inlet and outlet of the existing oil trap	Sq.M	50		
Group 4: Earthworks					

4.10	Excavation works for all drainage structures and laying of underground pipes as directed by the Project Engineer	Cu.m	20		
4.20	Excavation works for construction of Oil Trap as per the drawings & as directed by the Project Engineer	Cu.m	40		
Group 7: Drainage and Oil Containment Facilities					
7.10	Supply materials, Labor and construction Type 2 Open Concrete Line Drain as per Department of Works Standard & as directed by Project Engineer	m	50		
7.20	Supply all materials, labor including oil skimmer, pump for waste oil pump out, Labor and construction of Oil-water Separator (Oil Trap) as per the drawing and as directed by the Project Engineer	No.	1		
7.20a	Supply & installation of waste oil storage tank 12,000 liters or equivalent including labor & construction of concrete foundation slab for the storage tank.	No.	1		
7.2b	Supply labor, head tank & installation of head tank 12,000 liters or equivalent with all the pipe fitting & associated works for the connection of unused brand new fuel filter.	No.	1		
Plant, Machinery & Equipment Hire					
1.00	Backhoe	Hrs	16		
2.00	Mobile Concrete Mixer	Day	14		
3.00	2m3 dump truck	Day	14		
Miscellaneous					
1.00					
2.00					
3.00					
4.00					
5.00					
6.00					
7.00					
Provisional Sum for Day's Work		PS	1		
Sub-Total					
GST @ 10%					
GRAND TOTAL					

Costing & Estimate:

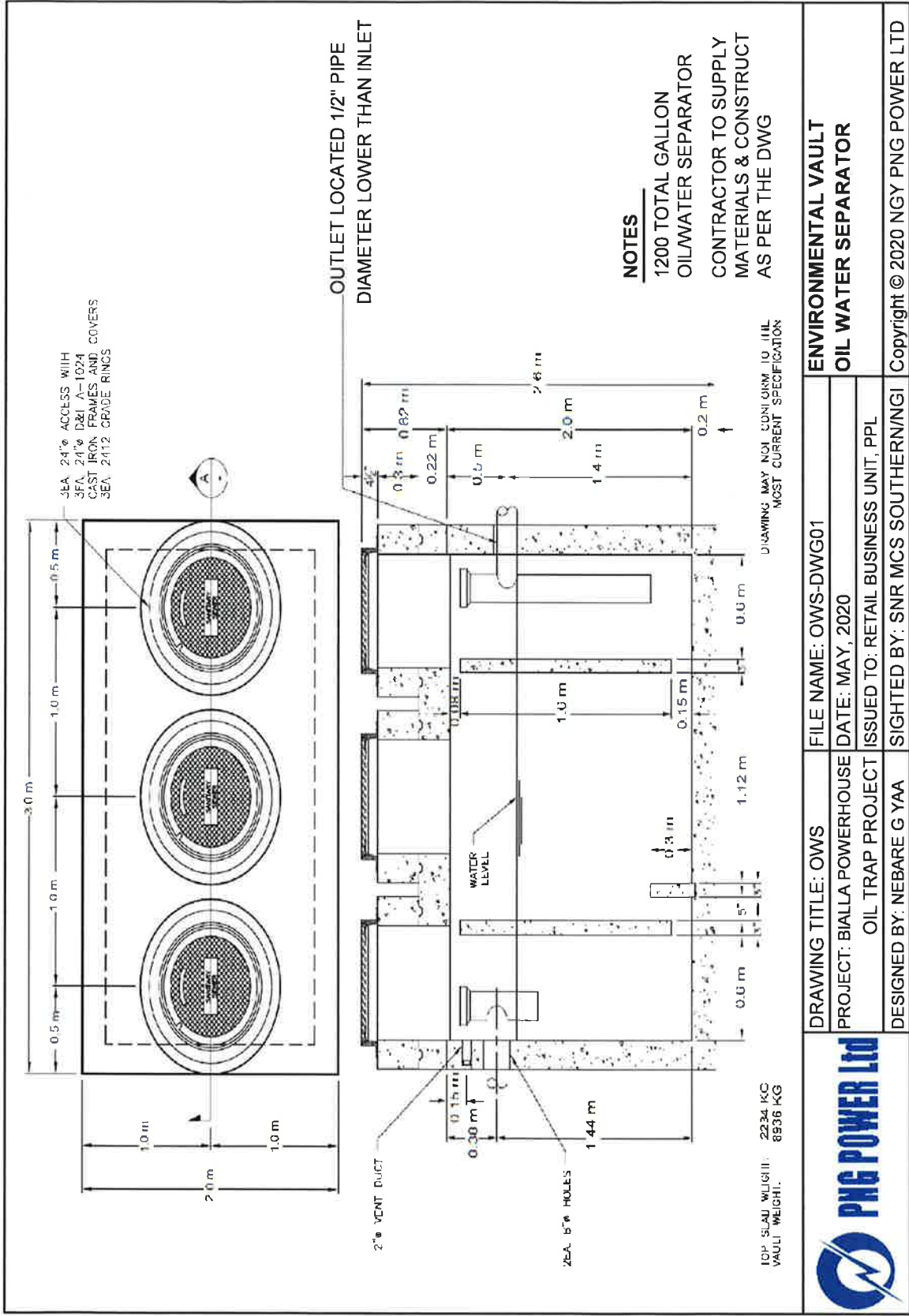
Date: 24/1/2020

Nebare G Yaa - Civil Engineer, Generation Project Services

Sighted & Endorsed:

Leo Savingu - Snr. Manager CSE South/NGI

Date: 26/1/2020



PLAN VIEW







CROSS SECTION C-C



WATERTIGHT CEMENT FINISH AND
COATING WITH OIL RESISTENT PAINT

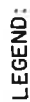
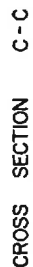
OIL QUANTITY	LENGTH A	WIDTH B	HEIGHT			LOCATION
			C	E	H	
25 000 l	5.00	2.50	3.95	2.00	2.00	POWERHOUSE
20 000 l	5.00	2.50	2.95	1.40	1.60	TANK FARM





LEGEND:

- | | |
|---|---------------------------|
|  | REINFORCED CONCRETE C 200 |
|  | CONCRETE C 100 |
|  | LEAN CONCRETE |
|  | MORTAR |
| CP = | CONCRETE PIPE |
| CLP = | CLAY PIPE |
| ① | PLASTIC FOAM MATERIAL |
| ② | OIL RESISTANT MASTIC |

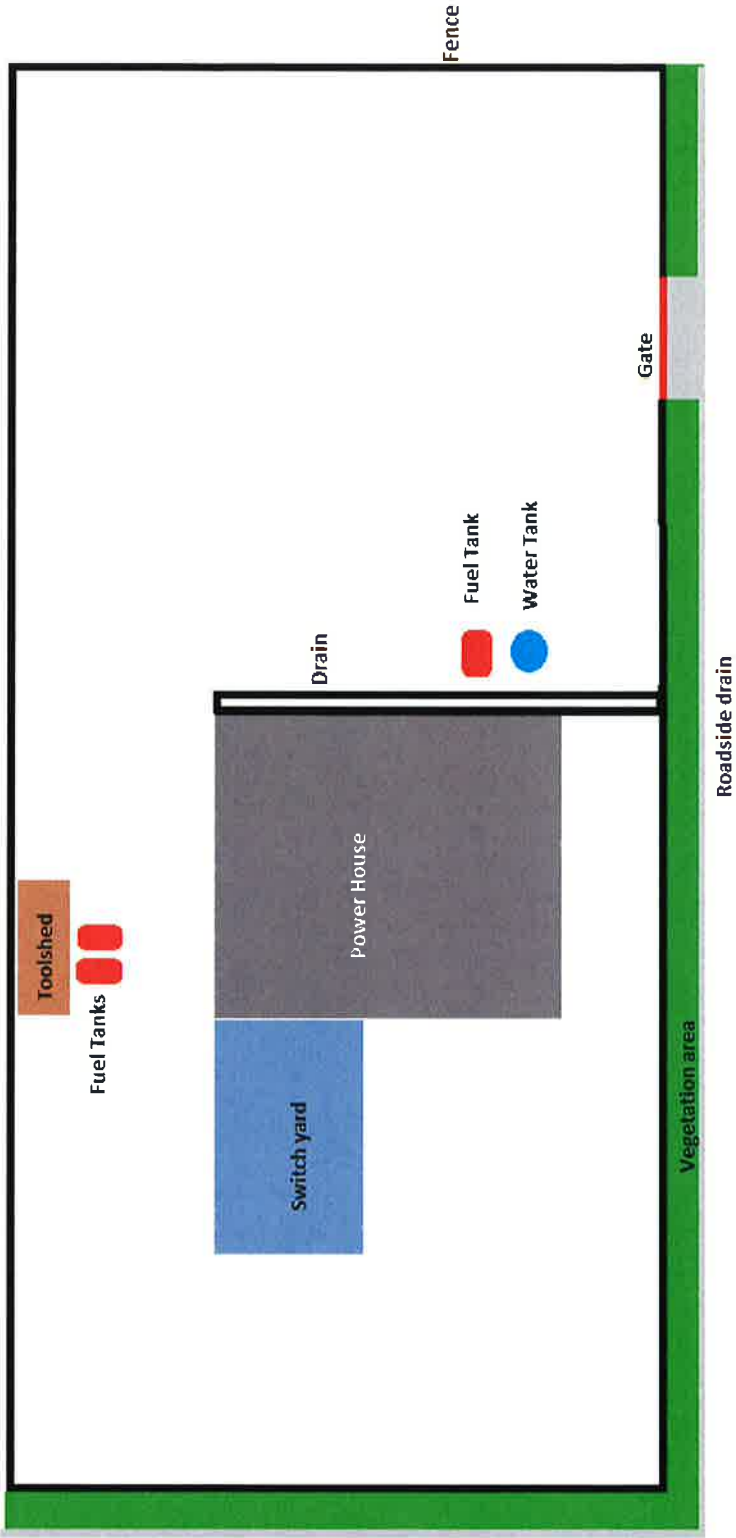
	PAPUA NEW GUINEA ELECTRICITY COMMISSION		AS SHOWN	10/1989
	ROUND 4 HYDROELECTRIC SCHEME GENERAL CONSTRUCTION DETAILS OIL SEPARATOR PLAN VIEW, SECTIONS		Date: _____ Client: SEPT-19 Project: _____ Revision: _____	NO. 1859 MIC - 1536
Nonconform A 5 CONSULTING ENGINEERS, ARCHITECTS AND DESIGNERS				

PLAN VIEW



REINFORC	CONCRETE	LEAN CON	MORTAR	CONCRETE	CLAY PIF	PLASTIC	OIL RES.
				CP =	CLP =	①	②

Sketch of Bialla Power House





Powerhouse towards gate



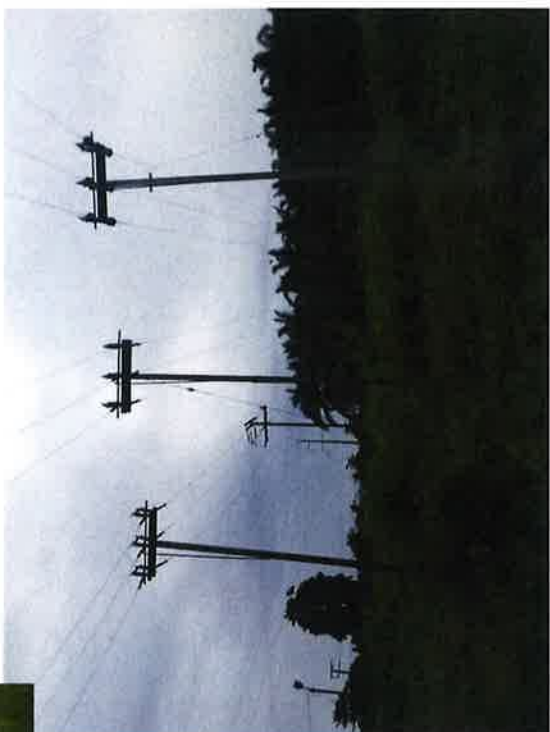
Powerhouse towards Toolshed



Front of Powerhouse



Drain Outlet from Powerhouse



Switchyard




10
9
8
7
6
5
4
3
2
1

Vegetation area inside fence close to Powerhouse






Vegetation area outside of
Powerhouse



			
<p>B. Old transformers and waste transformer oil on site</p>	<p>Storing them in safe and secure location within the vicinity of the Powerhouse</p>	<p>Testing and removal of Transformer waste through PPL HSE Team or CEPA NIP Project</p>	 

Bialla Power Station Environment Inspection – July 2019

Environmental Issues	Mitigation Measures		Pictures
	Short Term	Long Term	
A. No Oil Trap on site	Clearing of overgrown vegetation in and outside of Powerhouse. Also noted that power house has not been used since November 2018.	Installation of oil trap within powerhouse. Proposed action to be taken up by Bialla PPL Retail Management.	 

<p>C. Spills and leaks in Powerhouse</p>	<p>Purchase of absorbent materials (pads, mats, pillows) for spills and leaks (HSE Sec);</p>	<p>Fuel & Oil Spills and Leaks Management Plan (Environment Sec);</p>	
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