PROJECT	ONLINE AIR HEATING SYSTEM AT HALDIA TERMINAL (WEST BENGAL)	
PLANT OWNER	INDIANOIL PETRONAS PVT. LTD.	

### **NOTICE INVITING EXPRESSION OF INTEREST**

IN

# IMPLEMENTATION OF ONLINE AIR HEATING SYSTEM OF REFRIGERATED PROPANE AND REFRIGERATED BUTANE ON EPCC MODE IN LSTK BASIS

**AT** 

LPG TERMINAL, HALDIA (WEST BENGAL)

**OF** 

### INDIANOIL PETRONAS PVT. LTD.

(A 50:50 JOINT VENTURE BETWEEN INDIAN OIL, INDIA AND PETRONAS, MALAYSIA)

EOI Document can be downloaded from 13.03.2023 to 28.03.2023

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PROJECT	ONLINE AIR HEATING SYSTEM AT HALDIA TERMINAL (WEST BENGAL)
PLANT OWNER	INDIANOIL PETRONAS PVT. LTD.

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PLANT OWNER	INDIANOIL PETRONAS PVT. LTD.	

#### 1.0 PREAMBLE

INDIANOIL PETRONAS PVT. LTD. (IPPL) is a joint venture organization formed between INDIAN OIL CORPORATION LTD. (IOCL), INDIA and PETROLIAM NASIONAL BERHAD (PETRONAS), MALAYSIA.

They have set up a TERMINAL at Haldia, whereby refrigerated Propane and Butane are imported through Ship, transferred to Terminal through twin insulated pipeline and stored in dedicated refrigerated (Double wall & Double Integrity storage tanks) at a temperature of (-) 43°C for Propane and (-)5°C for Butane.

Since the product (Propane, Butane, LPG (mixture of Propane & Butane) has to be despatched at  $(+)15^{\circ}$ C, individual products are pumped from the storage tanks to Heating Train for heating. The heating media is steam.

Thereafter Butane & Propane are mixed at proper proportion through vapour pressure analyzer and LPG is produced which is further dosed with ETHYL MERCAPTAN and despatched to destination.

The product produced and despatched are as follows:

- a) PROPANE (PURE): BULK DESPATCH THROUGH ROAD TANKERS.
- b) BUTANE (PURE) : BULK DESPATCH THROUGH ROAD TANKERS.
- c) LPG : i) BULK DESPATCH THROUGH ROAD TANKERS
  - ii) BULK DESPATCH THROUGH PIPELINE TRANSFER
  - iii) PROVISION TO BE PROVIDED FOR BULK TRANSFER IN FUTURE THROUGH RAIL WAGON
  - iv) PACKED DESPATCH by bottling in CYLINDERS (14.2 Kg, 19 Kg, 21 Kg, 35 Kg, 47.5 Kg) AND VESSELS (450 Kg).

IPPL has now envisaged to provide HEATING SYSTEM through AIR instead of STEAM through a SINGLE PACKAGE ON EPCC MODE and LUMP SUM TURNKEY BASIS.

IPPL has appointed FIRECON CONSULTANTS PVT. LTD. (FCPL) as PROJECT MANAGEMENT CONSULTANT who are carrying out BASIC & FEED ENGINEERING inclusive of EPCC TENDER DEVELOPMENT.

However, in order to limit the competition amongst techno-commercially competent EPCC CONTRACTORS, IPPL has decided to form a panel and accordingly this Notice is being published requesting for EXPRESSION OF INTEREST.

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PROJECT	ONLINE AIR HEATING SYSTEM AT HALDIA TERMINAL (WEST BENGAL)
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#### 2.0 JOB NOMENCLATURE

Expression of interest in implementing a job on EPCC basis (Engineering, Procurement, Construction and Commissioning) MODE and LSTK (lump sum turnkey) BASIS.

Bidders are requested to provide desired information and documents as specified hereinafter within 28.03.2023 to enable IPPL to evaluate and form a panel of EPCC CONTRACTOR.

#### 3.0 SCOPE OF WORK OF EPCC BIDDER

The EPCC bidder would offer fixed lump sum price for residual engineering, development of fabrication / construction drawing, procurement, manufacturing, fabrication, inspection, testing, packing, marking, loading, transportation to place of installation, unloading, safe storage at work site, handling, transportation to site of installation, erection, construction, painting, commissioning, performance guarantee of Air Heating System of Refrigerated Propane and Refrigerated Butane online on EPCC basis complete in all respect with all related facilities and utilities including hook up with existing system. The price shall provide for the complete cost towards Power, Fuel, Tools, Tackles, Equipment, Constructional Plant, temporary Work, Labour, Materials, Levies, Taxes, Transport, Layout, Repairs, Rectification, Maintenance till handing over, spare parts, supervisions, colonies, shops, establishments, services, temporary roads, revenue expenses, contingencies, Engineering, Project Management, Obtaining statutory approvals, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the contract for setting up Air Heating System of Refrigerated Propane and Refrigerated Butane online at 'PROPANE/BUTANE/LPG Import Terminal at Haldia (West Bengal)) of IndianOil Petronas Pvt. Ltd.

#### 4.0 COMPLETION PERIOD

The time allowed for carrying out the work will be 13 (Thirteen) months reckoned from seventh day of issue of Letter of Acceptance to the EPCC Contractor. The contractors will have to ensure mechanical completion of process facilities and commissioning of all utilities within 12 months.

The process system as well as the integrated plant shall be commissioned and made suitable for commercial operation within another 1 (one) month.

#### 5.0 ISSUE OF EOI DOCUMENT

Since this will be PUBLIC TENDER this NOTICE INVITING EXPRESSION OF INTEREST has been uploaded in IPPL WEB SITE <a href="https://www.indpet.com">www.indpet.com</a>> Business Opportunity> Tenders

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#### 6.0 EPCC CONTRACTORS ELIGIBILITY

#### 6.1 GENERAL

The Bidder must have executed an EPCC JOB in LNG TERMINAL, LPG TERMINALS or LPG BOTTLING PLANT or LPG STORAGE CUM HANDLING SYSTEM in REFINERIES / PETROCHEMICAL COMPLEX or PROPANE / LPG / BUTANE RETICULATION SYSTEM comprising of following works:

- a) CIVIL & STRUCTURAL WORK
- b) PUMPING / HEATING SYSTEM with related piping.
- d) ELECTRICAL WORK
- e) INSTRUMENTATION WORK
- f) FIRE PROTECTION WORK

THE VALUE OF SINGLE LARGEST ORDER OF SIMILAR NATURE JOB EXECUTED BY THE BIDDER SHALL BE MINIMUM RUPEES FORTY CRORE AND THE JOB MUST HAVE BEEN COMPLETED IN LAST TEN YEARS.

ALTERNATIVELY, BIDDER SHALL HAVE EXECUTED TWO (2) SIMILAR ORDERS, EACH OF VALUE NOT LESS THAN RUPEES THIRTY CRORE OR THREE (3) SIMILAR ORDERS, EACH OF VALUE NOT LESS THAN RUPEES TWENTY FIVE CRORE AND THE JOBS MUST HAVE BEEN COMPLETED IN LAST TEN YEARS.

The Bidder to submit the following duly notarized:

- a) Order copy identifying scope
- b) Completion Certificate

**Note:** During selection preference will be given Bidders having supply, installation & commissioning experience of Air Heating system under EPCC contract in any LNG/LPG refrigerated Terminal.

#### 6.2 MANDATORY - TECHNICAL

- a) The Bidder should be an approved Vendor for Air Heating System (for the purpose intended).
   (Bidder to submit copy of Work Order and Performance Certificate against similar order, duly notarized)
- b) The Bidder shall be an established EPCC contractor with multi-disciplinary capability and enter into an Agreement with one of the Approved Vendors for Air Heating System and furnish a Memorandum of Agreement from one of the approved Vendor for Air Heating System.
- c) In either of the cases stated as above, the Bidder shall enter into an Agreement with one of the Approved Vendors for Instrumentation System (Emerson / ABB / Honeywell / Yokogawa) who are manufacturers for SIL 3 certified PLC.

#### 6.3 MANDATORY - FINANCIAL

a) Annual Turnover of the Bidder during any one of the three preceding financial years i.e, F.Y. 2021-2022, 2020-2021 and 2019-2020 shall not be less than Rs.60 crores (minimum) (Bidder to submit audited Balance Sheet for last three years).

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b) The Bidder to submit FINANCIAL SOLVENCY CERTIFICATE from their bankers for a value of Rs. 10 Crores.

#### 6.4 OTHERS

The Bidder to furnish a DECLARATION indicating the following:

- a) They will render technical support services for Two (2) years from the date of commissioning at mutually agreed prices.
- b) They will ensure availability of spares for 20 (Twenty) years from the date of commissioning.
- c) They will upgrade software, if necessary, at no extra cost for a period of Three (3) years from the date of commissioning.
- d) In the event of order, they will submit "LOGISTIC SUPPORT CERTIFICATE" for all components / instruments installed in the system.
- e) Record of accident-free work at site during the last three (3) years.
- f) Bidder will follow all statutory and local rules and regulations as applicable.

IPPL RESERVES THE EXCLUSIVE RIGHT ON PRE-QUALIFICATION OF BIDDERS AND CAN DISQUALIFY ANY OR ALL THE BIDDERS WITHOUT ASSIGNING ANY REASONS WHATSOEVER.

#### 7.0 EOI DOCUMENT

In the event of any EPCC CONTRACTOR meeting the qualifying parameters either as one of the APPROVED VENDORS for AIR HEATING SYSTEM, or are established EPCC Contractors with multidisciplinary capabilities and have entered into an Agreement with one such VENDOR for AIR HEATING SYSTEM with an intent to participate against the tender for joint execution of the project, they are being requested to please write to IPPL expressing their interest for participation, enclosing photocopy of the Memorandum of Agreement with the APPROVED VENDOR for AIR HEATING SYSTEM, as well as the documents attached hereto - duly filled in (along with supporting documents).

SI. No.	Name of assignment	Rev No.	Document Title
1	C520-BS-AHS-PQ-01		GENERAL PARTICULARS OF THE ORGANISATION
2	C520-BS-AHS-PQ-02		DETAILS OF LARGEST JOB EXECUTED
3	C520-BS-AHS-PQ-03		DETAILS OF SIMILAR JOB UNDER EXECUTION
4	C520-BS-AHS-PQ-04		DETAILS OF SIMILAR JOB RELATED TO AIR HEATING SYSTEM
5	C520-BS-AHS-PQ-05		LIST OF KEY PERSONNEL
6	C520-BS-AHS-PQ-06		SIMILAR JOB COMPLETED
7	C520-BS-AHS-PQ-07		SIMILAR JOB UNDER EXECUTION
8	C520-BS-AHS-PQ-08		SHE DATA FOR CONTRACTOR
9	C520-BS-AHS-PQ-09		DECLARATION ON PF

#### 8.0 SUBMISSION OF EOI DOCUMENT

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PROJECT	ONLINE AIR HEATING SYSTEM AT HALDIA TERMINAL (WEST BENGAL)
PLANT OWNER	INDIANOIL PETRONAS PVT. LTD.

The Bidders are requested to submit the EOI Documents duly filled, signed & stamped in hard copy in the following address by 28.03.2023.

To,

AMIT KUMAR MANDAL (MANAGER-MECH)
INDIANOIL PETRONAS PVT LTD
LPG IMPORT/EXPORT TERMINAL
KASBERIA, HALDIA
PURBA MEDINIPUR, WEST BENGAL
INDIA, PIN-721635

Incase the Bidder is unable to send the hard copy within stipulated period they can send the soft copy in following email id, but the hard copy must reach within further 7 days.

Email id: amitmandal@indianoilpetronas.in

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# GENERAL PARTICULARS OF THE ORGANISATION

SEAL AND SIGNATURE OF BIDDER

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#### **GENERAL PARTICULARS OF THE ORGANISATION**

SL. NO.	INFORMATION DESIRED BY OWNER	INFORMATION FURNISHED BY BIDDER
1.1	NAME & ADDRESS OF THE ORGANISATION	
1.2	TYPE OF ORGANISATION	
1.3	PAN NO.	
1.4	GST REGISTRATION NO.	
1.5	P.F. REGISTRATION NO.	
1.6	TURNOVER OF THE ORGANISATION	
	2019-2020	
	2020-2021	
	2021-2022	
1.7	VALUE OF UNEXECUTED ORDERS IN HAND	
	2019-2020	
	2020-2021	
	2021-2022	
1.8	VALUE OF ORDERS RECEIVED FROM APRIL 2021 TO MARCH 2022	
1.9	VALUE OF ORDERS RECEIVED FROM APRIL 2022 TO TILL DATE	

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### PROJECT: IMPLEMENTTION OF AIR HEATING TRAIN AT HALDIA (WEST BENGAL) ON EPCC-LSTK BASIS



SL. NO.	INFORMATION DESIRED BY OWNER	INFORMATION FURNISHED BY BIDDER
1.10	ORGANISATION STRUCTURE	
	NO. OF PERSONNEL	
	a. DEGREE HOLDER ENGINEER	
	b. DIPLOMA HOLDER ENGINEER	
	c. DRAFTS MAN / CAD OPERATOR	
	d. FIRE & SAFETY ENGINEER	
1.11	DOCUMENTS ENCLOSED	
	a. GST REGISTRATION CERTIFICATE	
	b. BALANCE SHEET FOR LAST THREE YEARS	
c. PF REGISTRATION CERTIFICATE		
	d. DECLARATION ON PF	
	e. MEMORANDUM OF ARTICLE/ PARTNERSHIP DEED	
	f. PAN CARD	
	g. PROFESSIONAL TAX REGISTRATION CERTIFICATE	
	h. ESI REGISTRATION CERTIFICATE	

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SEAL AND SIGNATURE OF BIDDER

### PROJECT: IMPLEMENTATION OF AIR HEATING TRAIN AT HALDIA TERMINAL (WEST BENGAL) ON EPCC-LSTK BASIS



#### **DETAILS OF LARGEST JOB EXECUTED IN LAST SEVEN YEARS**

SL. NO.	INFORMATION DESIRED BY OWNER	INFORMATION FURNISHED BY BIDDER
1.0	NAME OF PROJECT	
2.0	NAME & ADDRESS OF PURCHASER	
3.0	NAME & ADDRESS OF PROJECT MANAGEMENT CONSULTANT	
4.0	JOB VALUE AS PER ORDER	
5.0	FINAL JOB VALUE	
6.0	REFERENCE OF ORDER WITH DATE	
7.0	SCHEDULE COMPLETION DATE	
8.0	ACTUAL COMPLETION DATE	
9.0	JOB SUMMARY	
9.1	AIR HEATING SYSTEM FOR PROPANE/BUTANE	
9.2	PROPANE / BUTANE / LPG HANDLING SYSTEM	
9.3	STEAM HEATING SYSTEM FOR PROPANE/BUTANE	
9.4	ELECTRICAL SYSTEM	
9.5	INSTRUMENTATION SYSTEM	
9.6	INDUSTRIAL SHEDS / STRUCTURES	
9.7	FIRE PROTECTION SYSTEM	
TENDER	0 NO	

TENDER NO.	C520-BS-AHS-PQ-00	SEAL AND	
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## PROJECT: IMPLEMENTATION OF AIR HEATING TRAIN AT HALDIA TERMINAL (WEST BENGAL) ON EPCC-LSTK BASIS



SL. NO.	INFORMATION DESIRED BY OWNER	INFORMATION FURNISHED BY BIDDER
10.0	SYSTEM APPROVED BY PESO (CCOE)	
11.0	BRIEF DETAILS OF JOB	
12.0	DOCUMENTS ENCLOSED	
12.1	PURCHASE ORDER COPY	
12.2	PESO (CCOE) APPROVAL CERTIFICATE	
12.2	COMPLETION CERTIFICATE	
12.3	PERFORMANCE REPORT	

TENDER NO.	C520-BS-AHS-PQ-00	SEAL AND	
DOCUMENT NO.	C520-BS-AHS-PQ-02	SIGNATURE	
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# DETAILS OF SIMILAR JOB UNDER EXECUTION

TENDER NO.	C520-BS-AHS-PQ-00
DOCUMENT NO.	C520-BS-AHS-PQ-03
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SEAL AND SIGNATURE OF BIDDER





#### **DETAILS OF SIMILAR JOB UNDER EXECUTION**

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L COMPLETION DATE		
IMMARY		
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NE / BUTANE / LPG HANDLING	SYSTEM	
HEATING SYSTEM FOR PROPA	ANE/BUTANE	
RICAL SYSTEM		
IMENTATION SYSTEM		
TRIAL SHEDS		
ROTECTION SYSTEM		
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	OF BIDDER	
1 1 F	JOB VALUE ENCE OF ORDER WITH DATE  DULED COMPLETION DATE  AL COMPLETION DATE  JMMARY  EATING SYSTEM FOR PROPANE,  ANE / BUTANE / LPG HANDLING	ENCE OF ORDER WITH DATE  DULED COMPLETION DATE  L COMPLETION DATE  JMMARY  ATING SYSTEM FOR PROPANE/BUTANE  ANE / BUTANE / LPG HANDLING SYSTEM  HEATING SYSTEM FOR PROPANE/BUTANE  RICAL SYSTEM  JMENTATION SYSTEM  TRIAL SHEDS  ROTECTION SYSTEM  C520-BS-AHS-PQ-00  SEAL AND SIGNATURE OF RIDDER

### PROJECT: IMPLEMENTATION OF AIR HEATING TRAIN AT HALDIA (WEST BENGAL) ON EPCC-LSTK BASIS



SL. NO.	INFORI	MATION DESIRED BY OWNER		
10.0	SYSTE	M APPROVED BY PESO (CCOE)		
11.0	BRIEF I	DETAILS OF JOB		
12.0	DOCUN	MENTS ENCLOSED		
12.1	PURCH	ASE ORDER COPY		
12.2	PESO (	CCOE) APPROVAL CERTIFICAT	E	
12.2	PROVISIONAL COMPLETION CERTIFICATE			
12.3	INTERI	M PERFORMANCE REPORT		
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DOCUM	ENT NO.	C520-BS-AHS-PQ-03	SIGNATURE	
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# DETAILS OF SIMILAR JOB RELATED TO AIR HEATING SYSTEM

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SEAL AND SIGNATURE OF BIDDER





#### DETAILS OF SIMILAR JOB RELATED TO MOUNDED VESSELS

SL. NO.	INFORMATION DESIRED BY OWNER	INFORMATION FURNISHED BY BIDDER
1.0	NAME OF PROJECT	
2.0	NAME & ADDRESS OF PURCHASE	
3.0	NAME & ADDRESS OF PROJECT MANAGEMENT CONSULTANT	
4.0	JOB VALUE AS PER ORDER	
5.0	FINAL JOB VALUE	
6.0	REFERENCE OF ORDER WITH DATE	
7.0	SCHEDULED COMPLETION DATE	
8.0	ACTUAL COMPLETION DATE	
9.0	JOB SUMMARY	
9.1	QUANTITY OF PROPANE HANDLED (MTPH)	
9.2	QUANTITY OF BUTANE HANDLED (MTPH)	
9.3	INLET TEMPERATURE OF PROPANE	
9.4	INLET TEMPERATURE OF BUTANE	
9.5	OUTLET TEMPERATURE OF PROPANE	
9.6	OUTLET TEMPERATURE OF BUTANE	
TENDER	R NO. C520-BS-AHS-PQ-00 CFAL	

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### PROJECT: IMPLEMENTATION OF AIR HEATING TRAIN AT HALDIA (WEST BENGAL) ON EPCC-LSTK BASIS



SL. NO.	IN	IFORMATION DESIRED BY OWI	NER	INF	FORMATION FURNISHED BY BIDDER
10.0	SYSTE	M APPROVED BY PESO (CCOE)			
11.0	BRIEF I	DETAILS OF JOB			
12.0	DOCUN	MENTS ENCLOSED			
12.1	PURCH	ASE ORDER COPY			
12.2	PESO (	CCOE) APPROVAL CERTIFICATI	E		
12.3	COMPL	ETION CERTIFICATE			
12.4	PERF0	RMANCE REPORT			
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### PROJECT: IMPLEMENTATION OF AIR HEATING TRAIN AT HALDIA (WEST BENGAL) ON EPCC-LSTK BASIS



### LIST OF KEY PERSONNEL (NAME AND DETAILS OF SAFETY ENGINEERS TO BE INDICATED)

SI No.	Name	Position	Academic Qualification	Work Experience (in year)	Nos. of years with bidder

#### BIDDER MAY ATTACH ADDITIONAL PAGES

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### PROJECT: IMPLEMENTATION OF AIR HEATING TRAIN AT HALDIA (WEST BENGAL) ON EPCC-LSTK BASIS



#### LIST OF SIMILAR JOB EXECUTED

SI. No.	Name of assignment	Location	Date of Order	Date of Completion	Client	Brief Description of Work

#### **BIDDER MAY ATTACH ADDITIONAL PAGES**

TENDER NO.	C520-BS-AHS-PQ-00	SEAL AND SIGNATURE OF BIDDER	
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### PROJECT: IMPLEMENTATION OF AIR HEATING TRAIN AT HALDIA (WEST BENGAL) ON EPCC-LSTK BASIS



#### LIST OF SIMILAR JOB UNDER EXECUTION

SI. No.	Name of assignment	Location	Date of Order	Date of Completion	Client	Brief Description of Work

#### **BIDDER MAY ATTACH ADDITIONAL PAGES**

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### **SHE DATA FOR CONTRACTORS**

1. [	Name of	The Contractor:		
2. /	Address:			
3. 1	Nature o	f Job:		
4. \	Work Exp	perience		
	SI no	Name of the Company	Year of Experience	Safe Man hours
	1		•	
	2			
	3			
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5. 1	Number	of Technical Person:		
6. 1	Nos of Su	pervisor/ Qualified safety po	erson:	
<b>7.</b> 1	Total Saf	e Manhours:		
8. 1	Number	of Person acquired safety tra	ining:	
	_			
9. /	Any accid	dent/ incident at site( if any r	mention date):	
10. ľ	Nos of Sa	afety violation/ waring letter	<b>:</b>	
11. /	Any loss	of Material/ assets due to in	cident/accident:	
12. /	Any envi	ronmental issue due to accid	ental spillage/ lea	kage:
Nove of	Contus -	tou.		Signatura
Name of	contrac	tor:		Signature:
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### DECLARATION ON PROVIDENT FUND (To be furnished in company letter head)

		(				,,	
We here	eby declar	e as follows:					
1.0	P.F. REG	ISTRATION DETAILS					
	a) PFR	egistration Certificate	:	(PF	Registration Co	ertificate enclosed)	
	b) Estal	olishment ID	:				
2.0	P.F. PAY	MENT RECEIPT	:	Pho	otocopy of follo	wing documents attached	
				a)		nfirmation receipt issued by Employees d Organization for the last six months.	
We here	eby declar	e that there is no outsta	inding pa	ymen	t to 'Employees	s Provident Fund Organization'.	
Signature of Authorized Signatory					Company Seal		
(Power of attorney in favour of authorized signatory to be attached)							
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	IENT NO.	C520-BS-AHS-PO	1-09	1	IGNATURE F BIDDER		
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