



चेन्नै पेट्रोलियम कॉर्पोरेशन लिमिटेड
(इंडियनऑयल की ग्रुप कम्पनी)

Chennai Petroleum Corporation Limited
(A group company of IndianOil)

Ref: CC 0085 11

Date: 24.08.2011

NOTICE INVITING TENDER (NIT)
(Corrigendum No.4~dated 24.08.2011)

Dear Sir,

Name of the work: Supply and Application of Thermal Insulation works at Manali Refinery of CPCL (2011-13)

- Ref: 1) Tender No. CC008511 ~ dated 06.07.2011
2) Corrigendum No. 1 dated 03.08.2011
3) Corrigendum No. 2 dated 10.08.2011
4) Corrigendum No. 3 dated 16.08.2011

This has reference to the tender document and corrigenda 1, 2 & 3 cited above. The tender document is modified to the extent as detailed below:

Clause No. Page No. in the bid document as follows:	Amended and modified to the extent as stated below
Part-A Techno Commercial Part: As given in Corrigendum No. 3 dated 16.08.2011 Clause 10.7 of Annexure -1 to Corrigendum No. 2 dated 10.08.2011 is modified as indicated below 10.7 Evaluated price: From the contractors quoted gross price, amount to the extent which CPCL can avail the tax input credit will be deducted and the evaluated price shall be computed. The L1 evaluated price shall be the basis for awarding. A typical computation of arriving at the evaluated price is given below: Evaluated price = Gross price offered - (Total VAT amount indicated in Annexure - 2 to Corrigendum - 2) - (Total Excise duty indicated in Annexure - 2 to Corrigendum -2) - (88% of Total Service tax indicated in Annexure - 2 to Corrigendum -2)	Part-A Techno Commercial Part: Clause 10.7 of Annexure -1 as given in Corrigendum No. 3 dated 16.08.2011 is modified as indicated below: 10.7 Evaluated price: From the contractors quoted gross price, amount to the extent which CPCL can avail the tax input credit will be deducted and the evaluated price shall be computed. The L1 evaluated price shall be the basis for awarding. A typical computation of arriving at the evaluated price is given below: Evaluated price = Gross price offered - (Total VAT amount indicated in Annexure - 1 to Corrigendum - 4) - (Total Excise duty indicated in Annexure - 2 to Corrigendum-4) - (88% of Total Service tax indicated in Annexure - 3 to Corrigendum -4)

Prospective bidders are requested to note these revisions and submit their offer accordingly.

Details of Tax furnished vide Annexure-2 to Corrigendum No. 2 will not be taken in to account for arriving at the evaluated price. The details of tax furnished vide Corrigendum No. 4 alone will be considered for price evaluation.

While submitting the bills / invoice during the course of execution the executing bidder shall attach clear and complete breakup details and documents pertaining to Service tax, VAT & Excise Duty and also shall indicate the service tax registration number in the invoice to claim the service tax.

VAT & ED shall be reimbursed against receipt of all relevant documents required as per law to get the Cenvat benefits to Owner. Payment for VAT and Excise duty shall be withheld in the event of any discrepancy in the required documents till complete documents are received by Owner.

Bidders to note that the extent of service tax, VAT and Excise duty payable by CPCL for the tender quantity shall be limited to the maximum amount indicated in their offer. Any variations in these taxes and duties shall be based on the submission of relevant government notifications.

....2/...

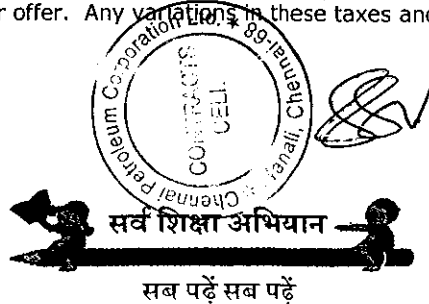
मणली, चेन्नै - 600 068.

Manali, Chennai - 600 068.

फोन / Phone : 2594 4000 to 009

फैक्स / Fax : 91-44-25941047, 25941247

वेब साइट / Website : www.cpcl.co.in



The last date for submission of tender is extended up to 3.00PM on 05/09/2011 (Monday) instead of 23.08.2011. Un-priced techno-bids will be opened at 10.00 am on next working day. All other terms and conditions as mentioned including mode of submission and opening remains unaltered."

This Corrigendum No.4 is to be down loaded from our web site under the tender reference. All other terms and conditions stipulated in the bid document modified to the extent of corrigenda 1,2, 3 and 4 remain unaltered.

Bidders are requested to submit this corrigendum 4 in two parts.

First part :

This covering letter along with annexures 1, 2 and 3 to this corrigendum 4 shall be signed on all pages and submitted in a sealed cover super scribing "**CC008511 dated 06.07.2011 / Corrigendum no 4 dated 24.08.2011 / Un-priced part**".

The annexure shall be filled only with details of percentage of the taxes envisaged in the offer and there should not be any indication of prices /amount in these annexure. This part will be opened along with the un-priced part(Techno bid).

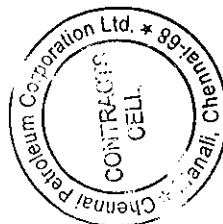
Second part


This covering letter along with annexures 1, 2 and 3 to this corrigendum 4 shall be signed on all pages and submitted in a sealed cover super scribing "**CC008511 dated 06.07.2011 / Corrigendum no 4 dated 24.08.2011 / priced part**". All the details shall be filled as per the format. There should not be any other comments/ remarks in this part. This part will be opened along with the price part (Price bid).

Both parts to be submitted in a single cover superscribing "**CC008511 dated 06.07.2011 / Corrigendum no 4 dated 24.08.2011**"

Bidders shall submit this corrigendum 4 along with their techno commercial bid part- A offer duly signed and stamped without fail.

Very truly yours
For Chennai petroleum Corporation Limited




S. Sakthevelan
Manager (contracts cell)

Annexure-1 to Corrigendum No- 4 dated 24.08.2011 to be submitted along with priced offer

Tender Ref.No.: CC008511 dated 06.07.2011

Name of work : **Supply and Application of Thermal Insulation in Manali Refinery for 2 years period during 2011- 2013**

Bidders to indicate the VAT percentage and amount considered in their price offered for each item in the format given below. This shall also form the basis for arriving at the evaluated price as detailed in the cover note of corrigendum 4 dated 24.08.2011.

SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which VAT is applicable ₹	Present rate of VAT in Percentage (%)	Total amount of maximum VAT calculated at present rate ₹	
							In Fig	In Words
1	10	Supply and application of Lightly Resin bonded mineral wool mattresses <u>150kg / cu. M density</u> , with metal mesh covered as per EIL specification 6-44-0002 Rev 2. (with contractor's material and labour)						
1.1	00030	For thickness 25mm	sq. metre	210				
1.2	00040	For thickness 40mm	sq. metre	7250				
1.3	00050	For thickness 50mm	sq. metre	38000				
1.4	00060	For thickness 80mm	sq. metre	18500				
2		Supply and Application of Cold insulation Expanded Polystyrene in pre-formed pipe section as per EIL specification 6-44-03 Rev 0. (with contractor's material and labour)						
2.1	00080	For thickness 40mm	sq. metre	150				
2.2	00090	For thickness 50mm	sq. metre	700				
2.3	00100	For thickness 80mm	sq. metre	2700				



Signature of the bidder
with official seal

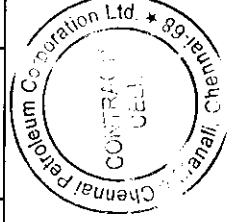
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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which VAT is applicable ₹	Present rate of VAT in Percentage (%)	Total amount of maximum VAT calculated at present rate ₹	
							In Fig	In Words
3		Supply and installation of Insulation Cladding Sheets as per EIL specification 6-44-0002 Rev 2 and 6-44-03 Rev0 (with contractor's material and labour)						
3.1	00120	Supply & Installation of 0.19 mm pot sheet Aluminium foil for steam tracing pipe lines.	sq. metre	9000				
3.2	00130	Supply & Installation of SS foil of 0.1 mm thick for SS line vapour bearer.	sq. metre	150				
3.3(a)	00140	Supply & Installation of 18 G plain Aluminium sheet.	sq. metre	3600				
3.3(b)	00150	Supply & Installation of 18 G plain Aluminium sheet with laminated polycraft moisture barrier.	sq. metre	150				
3.4(a)	00160	Supply and Installation of 22 Gauge Plain Aluminium Sheet	sq. metre	43000				
3.4(b)	00170	Supply & Installation of 22 G plain Aluminium sheet with laminated polycraft moisture barrier.	sq. metre	200				



Signature of the bidder
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Annexure-1 to Corrigendum No- 4 dated 24.08.2011 to be submitted along with priced offer

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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which VAT is applicable ₹	Present rate of VAT in Percentage (%)	Total amount of maximum VAT calculated at present rate ₹	
							In Fig	In Words
3.5	00180	Supply and Installation of 22 Gauge corrugated Aluminum Sheet	sq. metre	5100				
3.6	00190	Supply and Installation of 24 SWG Plain G. I. Sheet as per IS-277, ASTM A526 with 450 gms/sq.mt of coating.	sq. metre	150				
4		Supply and Installation of coating & wrapping as per EIL specification 6-65-0032 Rev 2. (with contractor's material and labour)						
4.1	00210	Supply & Application of coating & Wrapping by "Hot means"	sq. metre	1250				
5		Insulation Finishing Works:						
5.1	00230	Providing and laying plastering two layers upto 20mm thick with 1:4 (1-Cement and 4-Medium sand) at any height including finishing curing etc., over cold or hot insulation surfaces.	sq. metre	75				
5.2	00240	Supplying and applying of 3mm thick mastic coat of approved weather proofing compound like "SHALICOAT" of M/s. STP Ltd. or equivalent on the plastered surface.	sq. metre	75				



Signature of the bidder
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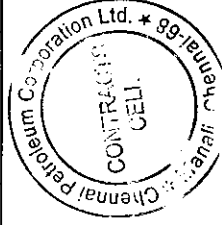
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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which VAT is applicable ₹	Present rate of VAT in Percentage (%)	Total amount of maximum VAT calculated at present rate ₹	
							In Fig	In Words
6		GENERAL :						
6.1	00260	Supply and application of PUF Insulation 50MM Thickness.	sq. metre	1000				
6.2	00270	Supply and application of PUF Insulation 90MM Thickness.	sq. metre	100				
6.3		Insulation removal (Hot and Cold)						
6.3.1	00290	Insulation materials (LRB) removal	sq. metre	42000				
6.3.2	00300	Aluminium Sheet removal	sq. metre	42000				
6.3.3	00310	Re-fixing of existing or Old Aluminium Sheet	sq. metre	200				
6.4	00320	Re-fixing of existing or Old Light Resin Bond mattresses above 100 mm thickness.	sq. metre	150				
6.5	00330	Labour for re-fixing of existing or old Light Resin Bond Mattresses above 100mm Thickness	sq. metre	100				



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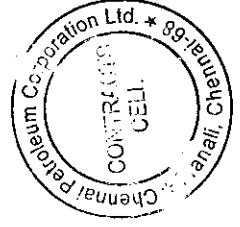
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Name of work : **Supply and Application of Thermal Insulation in Manali Refinery for 2 years period during 2011 - 2013**

Bidders to indicate the VAT percentage and amount considered in their price offered for each item in the format given below. This shall form the basis for arriving at the evaluated price as detailed in the cover note of corrigendum 4 dated 24.08.2011.

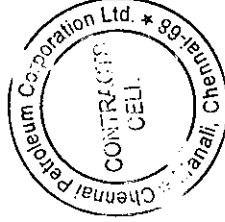
SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which VAT is applicable ₹	Present rate of VAT in Percentage (%)	Total amount of maximum VAT calculated at present rate ₹	
							In Fig	In Words
7		Supply and application of Calcium Silicate Insulation as per EIL specification 6-44-0002 Rev 2.						
7.1		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands in Pipe lines.						
7.1.1	00360	Line Size 8" x 125 mm thick.	RM	60				
7.1.2	00370	Line Size 10" x 125 mm thick.	RM	60				
7.1.3	00380	Line Size 12" x 150 mm thick.	RM	60				
7.2		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands On Valves						



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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which VAT is applicable ₹	Present rate of VAT in Percentage (%)	Total amount of maximum VAT calculated at present rate ₹		
							In Fig	In Words	
7.2.1	00400	Valve size: 8" x125 mm thick	Each	13					
7.2.2	00410	Valve Size 10" x 125 mm Thick	Each	13					
7.2.3	00420	Valve Size 12" x 150 mm Thick	Each	13					
7.3		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands On Bends.							
7.3.1	00440	Bend Size: 8" x125 mm Thick	Each	20					
7.3.2	00450	Bend Size: 10" x125 mm Thick	Each	20					
7.3.3	00460	Bend Size 12" x 150 mm Thick	Each	20					
TOTAL Amount Rs. (Fig)									
Total amount of maximum VAT considered in the offer (Rupees in words)									



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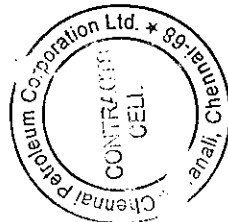
Annexure-2 to Corrigendum No- 4 dated 24.08.2011 to be submitted along with priced offer

Tender Ref.No.: CC008511 dated 06.07.2011

Name of work : **Supply and Application of Thermal Insulation in Manali Refinery for 2 years period during 2011- 2013**

Bidders to indicate the Excise Duty percentage and amount considered in their price offered for each item in the format given below. This shall also form the basis for arriving at the evaluated price as detailed in the cover note of corrigendum 4 dated 24.08.2011.

SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Excise Duty is applicable ₹	Present rate of Excise Duty in Percentage (%)	Total amount of maximum Excise Duty calculated at present rate ₹	
							In Fig	In Words
1	10	Supply and application of Lightly Resin bonded mineral wool mattresses <u>150kg / cu. M density</u> , with metal mesh covered as per EIL specification 6-44-0002 Rev 2. (with contractor's material and labour)						
1.1	00030	For thickness 25mm	sq. metre	210				
1.2	00040	For thickness 40mm	sq. metre	7250				
1.3	00050	For thickness 50mm	sq. metre	38000				
1.4	00060	For thickness 80mm	sq. metre	18500				



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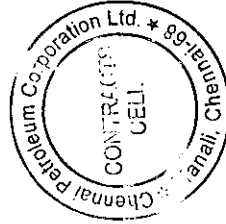
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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Excise Duty is applicable ₹	Present rate of Excise Duty in Percentage (%)	Total amount of maximum Excise Duty calculated at present rate ₹	
							In Fig	In Words
2		Supply and Application of Cold insulation Expanded Polystyrene in pre-formed pipe section as per EIL specification 6-44-03 Rev 0. (with contractor's material and labour)						
2.1	00080	For thickness 40mm	sq. metre	150				
2.2	00090	For thickness 50mm	sq. metre	700				
2.3	00100	For thickness 80mm	sq. metre	2700				



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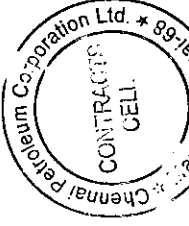
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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Excise Duty is applicable ₹	Present rate of Excise Duty in Percentage (%)	Total amount of maximum Excise Duty calculated at present rate ₹	
							In Fig	In Words
3		Supply and installation of Insulation Cladding Sheets as per EIL specification 6-44-0002 Rev 2 and 6-44-03 Rev0 (with contractor's material and labour)						
3.1	00120	Supply & Installation of 0.19 mm pot sheet Aluminium foil for steam tracing pipe lines.	sq. metre	9000				
3.2	00130	Supply & Installation of SS foil of 0.1 mm thick for SS line vapour bearer.	sq. metre	150				
3.3(a)	00140	Supply & Installation of 18 G plain Aluminium sheet.	sq. metre	3600				



Signature of the bidder
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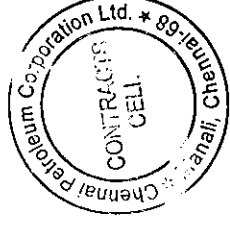
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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Excise Duty is applicable ₹	Present rate of Excise Duty in Percentage (%)	Total amount of maximum Excise Duty calculated at present rate ₹	
							In Fig	In Words
3.3(b)	00150	Supply & Installation of 18 G plain Aluminium sheet with laminated polycraft moisture barrier.	sq. metre	150				
3.4(a)	00160	Supply and Installation of 22 Gauge Plain Aluminium Sheet	sq. metre	43000				
3.4(b)	00170	Supply & Installation of 22 G plain Aluminium sheet with laminated polycraft moisture barrier.	sq. metre	200				



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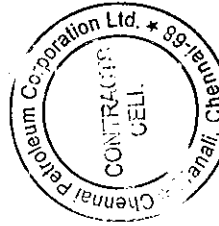
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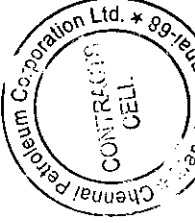
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							In Fig	In Words
3.5	00180	Supply and Installation of 22 Gauge corrugated Aluminum Sheet	sq. metre	5100				
3.6	00190	Supply and Installation of 24 SWG Plain G. I. Sheet as per IS-277, ASTM A526 with 450 gms/sq.mt of coating.	sq. metre	150				
4		Supply and Installation of coating & wrapping as per EIL specification 6-65-0032 Rev 2. (with contractor's material and labour)						
4.1	00210	Supply & Application of coating & Wrapping by "Hot means"	sq. metre	1250				



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Annexure-2 to Corrigendum No- 4 dated 24.08.2011 to be submitted along with priced offer

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							In Fig	In Words
5		Insulation Finishing Works:						
5.1	00230	Providing and laying plastering two layers upto 20mm thick with 1:4 (1-Cement and 4-Medium sand) at any height including finishing curing etc., over cold or hot insulation surfaces.	sq. metre	75				
5.2	00240	Supplying and applying of 3mm thick mastic coat of approved weather proofing compound like "SHALICOAT" of M/s. STP Ltd. or equivalent on the plastered surface.	sq. metre	75				
6		GENERAL :						
6.1	00260	Supply and application of PUF Insulation 50MM Thickness.	sq. metre	1000				



Signature of the bidder
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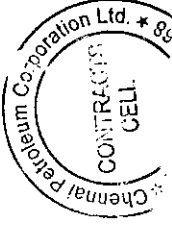
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							In Fig	In Words
6.2	00270	Supply and application of PUF Insulation 90MM Thickness.	sq. metre	100				
6.3		Insulation removal (Hot and Cold)						
6.3.1	00290	Insulation materials (LRB) removal	sq. metre	42000				
6.3.2	00300	Aluminium Sheet removal	sq. metre	42000				
6.3.3	00310	Re-fixing of existing or Old Aluminium Sheet	sq. metre	200				
6.4	00320	Re-fixing of existing or Old Light Resin Bond mattresses above 100 mm thickness.	sq. metre	150				
6.5	00330	Labour for re-fixing of existing or old Light Resin Bond Mattresses above 100mm Thickness	sq. metre	100				



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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Excise Duty is applicable ₹	Present rate of Excise Duty in Percentage (%)	Total amount of maximum Excise Duty calculated at present rate ₹		
							In Fig	In Words	
7		Supply and application of Calcium Silicate Insulation as per EIL specification 6-44-0002 Rev 2.							
7.1		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands in Pipe lines.							
7.1.1	00360	Line Size 8" x 125 mm thick.	RM	60					
7.1.2	00370	Line Size 10" x 125 mm thick.	RM	60					
7.1.3	00380	Line Size 12" x 150 mm thick.	RM	60					



Annexure-2 to Corrigendum No- 4 dated 24.08.2011 to be submitted along with priced offer

Tender Ref.No.: CC008511 dated 06.07.2011								
Name of work : Supply and Application of Thermal Insulation in Manali Refinery for 2 years period during 2011- 2013								
Bidders to indicate the Excise Duty percentage and amount considered in their price offered for each item in the format given below. This shall also form the basis for arriving at the evaluated price as detailed in the cover note of corrigendum 4 dated 24.08.2011.								
SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Excise Duty is applicable ₹	Present rate of Excise Duty in Percentage (%)	Total amount of maximum Excise Duty calculated at present rate ₹	
							In Fig	In Words
7.2		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands On Valves						
7.2.1	00400	Valve size: 8" x125 mm thick	Each	13				
7.2.2	00410	Valve Size 10" x 125 mm Thick	Each	13				
7.2.3	00420	Valve Size 12" x 150 mm Thick	Each	13				



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Annexure-2 to Corrigendum No- 4 dated 24.08.2011 to be submitted along with priced offer

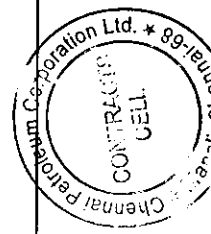
Tender Ref.No.: CC008511 dated 06.07.2011

Name of work : **Supply and Application of Thermal Insulation in Manali Refinery for 2 years period during 2011- 2013**

Bidders to indicate the Excise Duty percentage and amount considered in their price offered for each item in the format given below. This shall also form the basis for arriving at the evaluated price as detailed in the cover note of corrigendum 4 dated 24.08.2011.

SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Excise Duty is applicable ₹	Present rate of Excise Duty in Percentage (%)	Total amount of maximum Excise Duty calculated at present rate ₹		
							In Fig	In Words	
7.3		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands On Bends.							
7.3.1	00440	Bend Size: 8" x125 mm Thick	Each	20					
7.3.2	00450	Bend Size: 10" x125 mm Thick	Each	20					
7.3.3	00460	Bend Size 12" x 150 mm Thick	Each	20					
TOTAL Amount Rs. (Fig)									

Total amount of maximum Excise Duty considered in the offer (Rupees in words) :



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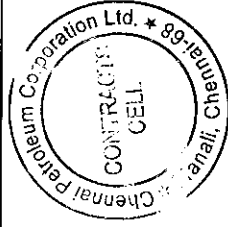
Annexure-3 to Corrigendum No- 4 dated 24.08.2011 to be submitted along with priced offer

Tender Ref.No.: CC008511 dated 06.07.2011

Name of work : **Supply and Application of Thermal Insulation in Manali Refinery, for 2 years period during 2011- 2013**

Bidders to indicate the Service Tax percentage and amount considered in their price offered for each item in the format given below. This shall also form the basis for arriving at the evaluated price as detailed in the cover note of corrigendum 4 dated 24.08.2011.

Sl No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Service Tax is applicable ₹	Present rate of Service Tax in Percentage (%)	Total amount of maximum Service Tax calculated at present rate ₹	
							In Fig	In Words
1	10	Supply and application of Lightly Resin bonded mineral wool mattresses <u>150kg / cu. M density</u> , with metal mesh covered as per EIL specification 6-44-0002 Rev 2. (with contractor's material and labour)						
1.1	00030	For thickness 25mm	sq. metre	210				
1.2	00040	For thickness 40mm	sq. metre	7250				
1.3	00050	For thickness 50mm	sq. metre	38000				
1.4	00060	For thickness 80mm	sq. metre	18500				



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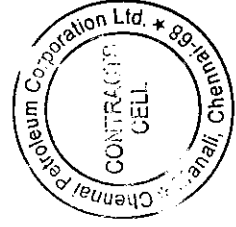
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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Service Tax is applicable ₹	Present rate of Service Tax in Percentage (%)	Total amount of maximum Service Tax calculated at present rate ₹	
							In Fig	In Words
2		Supply and Application of Cold insulation Expanded Polystyrene in pre-formed pipe section as per EIL specification 6-44-03 Rev 0. (with contractor's material and labour)						
2.1	00080	For thickness 40mm	sq. metre	150				
2.2	00090	For thickness 50mm	sq. metre	700				
2.3	00100	For thickness 80mm	sq. metre	2700				



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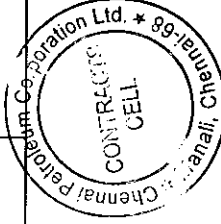
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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Service Tax is applicable ₹	Present rate of Service Tax in Percentage (%)	Total amount of maximum Service Tax calculated at present rate ₹	
							In Fig	In Words
3		Supply and installation of Insulation Cladding Sheets as per EIL specification 6-44-0002 Rev 2 and 6-44-03 Rev0 (with contractor's material and labour)						
3.1	00120	Supply & Installation of 0.19 mm pot sheet Aluminium foil for steam tracing pipe lines.	sq. metre	9000				
3.2	00130	Supply & Installation of SS foil of 0.1 mm thick for SS line vapour bearer.	sq. metre	150				
3.3(a)	00140	Supply & Installation of 18 G plain Aluminium sheet.	sq. metre	3600				
3.3(b)	00150	Supply & Installation of 18 G plain Aluminium sheet with laminated polycraft moisture barrier.	sq. metre	150				
3.4(a)	00160	Supply and Installation of 22 Gauge Plain Aluminium Sheet	sq. metre	43000				
3.4(b)	00170	Supply & Installation of 22 G plain Aluminium sheet with laminated polycraft moisture barrier.	sq. metre	200				



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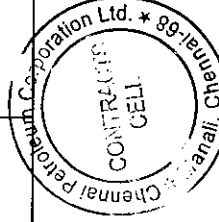
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							In Fig	In Words
3.5	00180	Supply and Installation of 22 Gauge corrugated Aluminium Sheet	sq. metre	5100				
3.6	00190	Supply and Installation of 24 SWG Plain G. I. Sheet as per IS-277, ASTM A526 with 450 gms/sq.mt of coating.	sq. metre	150				
4		Supply and Installation of coating & wrapping as per EIL specification 6-65-0032 Rev 2. (with contractor's material and labour)						
4.1	00210	Supply & Application of coating & Wrapping by "Hot means"	sq. metre	1250				
5		Insulation Finishing Works:						
5.1	00230	Providing and laying plastering two layers upto 20mm thick with 1:4 (1-Cement and 4-Medium sand) at any height including finishing curing etc., over cold or hot insulation surfaces.	sq. metre	75				
5.2	00240	Supplying and applying of 3mm thick mastic coat of approved weather proofing compound like "SHALICOAT" of M/s. STP Ltd. or equivalent on the plastered surface.	sq. metre	75				



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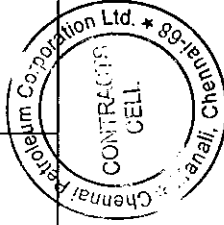
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							In Fig	In Words
6		GENERAL :						
6.1	00260	Supply and application of PUF Insulation 50MM Thickness.	sq. metre	1000				
6.2	00270	Supply and application of PUF Insulation 90MM Thickness.	sq. metre	100				
6.3		Insulation removal (Hot and Cold)						
6.3.1	00290	Insulation materials (LRB) removal	sq. metre	42000				
6.3.2	00300	Aluminium Sheet removal	sq. metre	42000				
6.3.3	00310	Re-fixing of existing or Old Aluminium Sheet	sq. metre	200				
6.4	00320	Re-fixing of existing or Old Light Resin Bond mattresses above 100 mm thickness.	sq. metre	150				
6.5	00330	Labour for re-fixing of existing or old Light Resin Bond Mattresses above 100mm Thickness	sq. metre	100				



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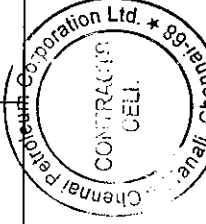
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							In Fig	In Words
7		Supply and application of Calcium Silicate Insulation as per EIL specification 6-44-0002 Rev 2.						
7.1		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands in Pipe lines.						
7.1.1	00360	Line Size 8" x 125 mm thick.	RM	60				
7.1.2	00370	Line Size 10" x 125 mm thick.	RM	60				
7.1.3	00380	Line Size 12" x 150 mm thick.	RM	60				
7.2		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands On Valves						



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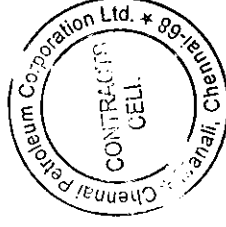
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Name of work : **Supply and Application of Thermal Insulation in Manali Refinery, for 2 years period during 2011 - 2013**

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SI No	SAP SOR No	Description of Item	Unit	Tender Qty	Maximum amount on which Service Tax is applicable ₹	Present rate of Service Tax in Percentage (%)	Total amount of maximum Service Tax calculated at present rate ₹		
							In Fig	In Words	
7.2.1	00400	Valve size: 8" x125 mm thick	Each	13					
7.2.2	00410	Valve Size 10" x 125 mm Thick	Each	13					
7.2.3	00420	Valve Size 12" x 150 mm Thick	Each	13					
7.3		Supply and application of hot insulation calcium silicate with Aluminum sheet and fixing of all other ancillary material such as binding wire, weather proofing, self tapping screw and securing bands On Bends.							
7.3.1	00440	Bend Size: 8" x125 mm Thick	Each	20					
7.3.2	00450	Bend Size: 10" x125 mm Thick	Each	20					
7.3.3	00460	Bend Size 12" x 150 mm Thick	Each	20					
TOTAL Amount Rs. (Fig)									

Total amount of maximum Service Tax considered in the offer (Rupees in words) :



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