

दक्षिण पूर्व मध्य रेलवे
SOUTH EAST CENTRAL RAILWAY


निविदा प्रपत्र
TENDER DOCUMENT

कार्य का नाम /NAME OF THE WORK

“मेमू कोच (MCs + TCs) के अपर गियर से जुड़े काम के साथ-साथ, प्लंबिंग, कारपेंट्री और पेस्ट कंट्रोल ट्रीटमेंट, 3 साल के लिए।”

“Upper gear attention work with plumbing & carpentry works and pest control treatment of MEMU coaches (MCs + TCs) for 3 years.”

प्रेषक:
वरिष्ठ मण्डल विद्युत-अभियन्ता (क0 च0 स्टा0),
इलेक्ट्रिक लोको शेड,
दक्षिण पूर्व मध्य रेलवे,
भिलाई


ADME (MEMU)

TENDER NOTICE No.MEMU-BIA-26-27-Upper Gear-9

GOVERNMENT OF INDIA
(MINISTRY OF RAILWAYS)
SOUTH EAST CENTRAL RAILWAY

ELECTRICAL TRACTION ROLLING STOCK DEPARTMENT,
BHILAI - 490025.

Sr. No.	Description	Page no.
1.	Cover Page.	
2.	Index.	
3.	Bid Form	
4.	Tender Notice.	
5.	Price Schedule - Annexure-I.	
6.	Scope of Work- Annexure-II	
7.	Special Terms & Conditions - Annexure-III.	
8.	General Terms & Conditions Of Contract-Annexure-IV.	
9.	Undertaking for Truthfulness/ Correctness of the DOCUMENTS submitted/uploaded by the tenderer alongwith the tender as proforma placed at Annexure-XVIII	
10.	Mandate Form- Annexure-V.	
11.	Form of Bank Guarantee Bond- Annexure-VI	
12.	Police Verification -Annexure-VII	
13.	Medical fitness certificate- Annexure-VIII	
14.	Letter of Credit- Annexure-	


ADME (MEMU)

TENDER NOTICE No.MEMU-BIA-26-27-Upper Gear-9

BID FORM
SOUTH EAST CENTRAL RAILWAY

Tender No. _____

Name of work _____

To,

**The President of India,
Acting through the Sr. Divisional Elect. Engineer (TRS),
South East Central Railway, Bhilai.**

1. I/We..... have read the various conditions to the bid attached hereto and agree to abide by the said conditions. I/We also agree to keep this bid open for acceptance for a period of 90 days from the date fixed for opening the same and in default thereof, I/we will be liable for forfeiture of my/our "Earnest Money". I/We offer to do the work for Railway, at the rates quoted in the attached schedule and hereby bind myself / ourselves to complete the work in all respects within 24 months from the date of commencement of work.

2. I/We also hereby agree to abide by the Indian Railways General Conditions of Contract for Services, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Schedule of Rates with all correction slips up-to-date for the present contract.

3. A sum of Rs. is herewith forwarded as Earnest Money. Full value of the Earnest Money shall stand forfeited without prejudice to any other right or remedies in case my/our Bid is accepted and if:

a) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and

b) I/We do not commence the work within fifteen days after receipt of orders to that effect.

4. I/We am/are a Micro and Small Enterprise registered from(body approved by Ministry of MSME) with registration No..... and terminal validity up to for similar service contracts.

5. Until a formal agreement is prepared and executed, acceptance of this Bid shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work/service.

Signature of Bidder/s

Date.....

Address.....

Tender Notice

TENDER NOTICE No. MEMU-BIA-26-27-Upper Gear-9

For and on behalf of THE PRESIDENT OF INDIA, Sr. Divisional Electrical Engineer (TRS) South East Central Railway, BHILAI, invites E-tender the following work in Electric Loco Shed, S.E.C.Rly., Bhilai from proven experienced contractor.

1	Name of work	:	Upper gear attention work with plumbing & carpentry works and pest control treatment of MEMU coaches (MCs + TCs) for 3 years.
2	Location	:	MEMU Car Shed, Bhilai.
3	Tender type/contract type	:	Open/Service contract.
4	Bidding System	:	Two Packet Systems through IREPS Portal.
5	Approx. cost of the work	:	Rs. 1,62,73,783.45/- (Rupees One Crore Sixty Two Lakh Seventy Three Thousand Seven Hundred Eighty Three and Forty Five Paisa Only)
6	Bid Security/Earnest Money	:	Rs. 2,31,400/-,
7	Completion period of the work	:	36 (Thirty Six) months from the date of commencement of work.
8	Address of the office from which e-tender initiated	:	Sr. Divisional Electrical Engineer (TRS), Electric Loco shed, Bhilai, South East Central Railway, P.O.- B.M.Y. Charoda, District: Durg (C.G.) - 490025.
9	Validity of offer from the date of opening.	:	90 days.
10	Website particulars and notice board location where complete details of tender can be seen etc.	:	http://www.ireps.gov.in

11 Minimum Eligibility Criteria:

11.1 Work Experience:- The bidders should have satisfactorily completed* in the last three previous financial years and the current financial year upto the date of opening of the tender, or similar single service contract** for a minimum of 35% of advertised value of the bid.

***Completed service contract** includes on-going service contract subject to payment of bills amounting to at least 35% of the advertised value of the bid.

**** Similar service contract means:-**

Interior furnishing or repair or refurbishing work, involving carpentry /plumbing/ trimming/ welding work on any Railway Coach".

OR

"Interior furnishing work of Building of Govt. /PSUs/Railways."

OR

"Retro fitment of DRDO Bio-toilet tank on ICF/RCF coaches."

Work experience certificate from private individual shall not be accepted. Certificate from public listed company/private company/Trusts having annual turnover of Rs. 500 crore and above subject to the same being issued from their head office by a person of the company duly enclosing his authorization by the Management for issuing such credentials.

TENDER NOTICE No.MEMU-BIA-26-27-Upper Gear-9

(4)

ADME (MEMU)

Note: The bidder shall submit details of work executed by them along with bid for the service contracts to be considered for qualification of work experience criteria clearly indicating the nature/scope of contract, actual completion cost and actual date of completion for such contract.

11.2 Financial Eligibility criteria:-

The Bidders will be qualified only if they have minimum financial capabilities as below:-

- (i) **T1-Financial Turnover:** The bidder should have an aggregate financial turnover not less than 1.5 times the advertised Bid value during the last three previous financial years and in the current financial year upto the date of opening of the tender. The audited balance sheet reflecting financial turnover certified by chartered accountant with his/her stamp, signature and membership number shall be considered.
- (ii) **T2-Liquidity:** The bidder should have access to or has available liquid assets, lines of credit and other financial means to meet cash flow that is valued at **5% of the estimated bid value** net of applicant's commitments for other contracts. The audited balance sheet and/or banking reference certified by chartered accountant with his/her stamp, signature and membership number shall be submitted by the bidder along with bid.

Banking reference should contain in clear terms the amount that bank will be in a position to lend for this work to the applicant/member of the Joint Venture/Consortium. In case the Net Current Assets (as seen from the Balance Sheets) are negative, only the Banking references will be considered. Otherwise the aggregate of the Net Current Assets and submitted Banking references will be considered for working out the Liquidity.

The banking reference should be from a Scheduled Bank in India and it should not be more than 3 months old as on date of submission of bids.

In Case of JV firms overall liquidity of JV firm shall be assessed by arithmetic sum of liquidity of all members of JV.

57
ADME(MEMU)

12. Evaluation of Technical Bid

12.1 Bidder's Credentials:

- a) The bidder shall submit along with the Bid document, documents in support of their claim to fulfill the minimum eligibility criteria as mentioned in the bid. In two packet system of bidding, each bidder shall be assigned score for their technical bid. The score of technical bid should be more than or equal to minimum qualifying marks as mentioned in bid document. The system of assigning score shall be as per the bid document.
- b) Each page of the copy of documents / certificates in support of credentials, submitted by the bidder, shall be self-attested by the bidder or authorized representative of the bidding firm. Self-attestation shall include signature, stamp and date (on each page). Only, those documents will be considered for evaluating bid, which are duly self-attested as above.
- c) **The bidders shall be required to submit and undertaking certifying the truthfulness of all the documents submitted/uploaded along with the tender this shall be mandatory for all the bidder (Enclosed Annexure-XVIII). In case of failure of the bidder to submit the undertaking, their offer shall be summarily rejected.**

After opening the financial bid, the tender committee shall verify the credentials of the bidder who is declared as the lowest bidder (L1) for their authenticity. In case the credentials of L1 are not found to be in order, his/her bid shall be treated as technically unresponsive and thus invalid. The process shall be repeated for the next higher bidder till the valid L1 is established. If any document (or copy thereof) submitted by a bidder is found to be false/forged.

- (a) The bidder / each partner / member of the bidding firm shall be liable to legal actions apart from punitive actions, as decided by competent authority (i.e. Sr.DEE/TRS/BIA) of Railways. In such an eventuality, the bid (bid) shall also be summarily rejected.
- (b) If the contract has already been awarded, or Letter of Acceptance (LOA) has been issued and in the event of any failure to comply with the above, the contract shall be terminated, irrespective of the stage of progress in execution of the work. In such an eventuality, EMD/ bid security, Performance Guarantee (PG) and partial / full payments otherwise due to the contractor, in respect of the partial / full work executed by the contractor, shall be forfeited by the Railways.
- (c) Other punitive actions, like banning the bidder and partners/ members of the bidding firm for future dealings with Indian Railways and/or the Government of India may also be taken by the Railway / Govt. of India authorities.

AX
ADME (MEMU)

Bid Evaluation - Technical Criteria

The following criteria are merely indicative and provided for illustrative purposes only.

S.No.	Weightage	Technical Criteria	Documentation	Scoring
1	27%	<p>Previous Work Done</p> <p>The bidder shall submit documents related to completed/on-going similar service contracts during the last three previous financial year and the current financial year along with the details of payments received and percentage penalties imposed therein, to classify the completed/ on-going similar service contracts in the following categories:</p> <p>1) Payment received more than or equal to 80% or 50% or 49% of the current advertised bid value and percentage penalties imposed therein</p>	<p>Certificate from client firm authorizing payment received along with percentage Penalties imposed, contract wise for completed/ on-going</p> <p>Similar service contracts with satisfactory performance</p>	<p>Scoring Method;</p> <p>For each completed/ on-going similar service contracts with satisfactory performance shall be as under:</p> <p>(a) 100 Marks if the bidder has completed or received payment as under:</p> <p>1 project > 80%, 2 projects > 50% or 3 or more projects > 40% of the advertised value of the bid.</p> <p>(b) 50 Marks if the bidder has completed or received payment as under:</p> <p>1 project > 50% or 2 projects > 40% of the advertised value of the bid.</p> <p>(c) 20 Marks if the bidder has completed or received payment as under: 1 project > 40% value completed.</p> <p>No marks if all projects < 40% value completed.</p> <p>Deduction for Percentage penalty Imposed in the respective completed/ on-going similar service contracts;</p> <p>The Score of each completed/on-going similar service contracts with satisfactory performance shall be reduced by a percentage equal to the percentage penalty imposed in respective contract.</p> <p>No reduction for percentage penalty less than 5%.</p> <p>Contract where percentage penalty is more than 20% of contract value shall not be considered for calculation of scores for this purpose.</p>
2	46%	<p>Turnover (in last three and current Financial Year)</p> <p>(Less than 1.5 times the value of work is not eligible)</p>	<p>A per audited balance sheet certified by the CA.</p>	<p>(a) 100 marks More than 15 times advertised value of work</p> <p>(b) 80 marks - 8-15 times advertised value of work</p> <p>(c) 60 marks- 3-8 times advertised value of work</p> <p>(d) 40 marks- 1.5-3 times advertised value of work.</p>

37
ADME (MEMU)

3	27%	Number of year in operations (Firms having less than 1 year of experience are not eligible)	Company establishment certificate and company's work order copy/ agreement certificate etc. as proof of operation. Years shall be counted from the date of agreement of the work.	(a)100 marks- More than 8 years (b)80 marks - 5-8 years (c)60 marks - 2- 5 years (d)40 marks- 1-2 years
---	-----	--	--	--

12.2 The bidder shall be required to produce attested copies of the relevant documents in support of their credentials for being considered during technical evaluation. As per the marking assigned in the table above, each bidder shall be assigned score for technical bid (STB). **Bidder who's STB shall be 60 or above shall be qualified for consideration of their financial bids. Bidders who do not meet the minimum qualifying marks of 60 shall not be considered further for opening of their financial bids and their bids shall not be considered further for award of the tender.**

12.3 Evaluation of Financial Bid:

The financial proposal shall be evaluated to determine the lowest bidder.

In case, the evaluated financial offers of two or more technically qualified bidders are lowest and same, then the bid of the bidder who is technically more sound (having scored higher marks in evaluation of technical bid as per clause 2.6.1.3 of GCCS-2018) shall be considered as the lowest. If the marks in the evaluation of technical bids of the lowest bidders are also found to be equal, then the bid of the bidder with the higher cumulative annual financial turnover over the last three years and the current financial year shall be considered as the lowest.

13. TENDER OPENING.


- 13.1 The date and time of opening of tender will be same as that of date and time of closing the tender as specified in NIT.
- 13.2 No vendor shall be required to be present in the Railways office for any E-Tender opening process. They can obtain totally transparent bid tabulation statement by logging on to the website, after the scheduled time and date of tender opening.
- 13.3 Railway does not guarantee opening of tenders at the specified date and time due to reason beyond control and hence, tenders can be opened after due date and time as stipulated under the tender notice.

The tender document and other details can be obtained from the website: WWW.IREPS.GOV.IN
The bidding for the tender is to be submitted through e-tendering on above website. Manual offers are not allowed against this tender and any manual offer if received shall not be accepted and will be summarily rejected.


ADME (MEMU)

14. Bidder should submit following document duly signed and sealed or digitally signed along with bid. Non submission by bidder result in summarily rejection of his/their bid.

SN	Documents/Details	Required in the form	Attachment
1.	Technical Eligibility Criteria:	Work Experience: Completion/ Performance Certificate in support of 35% of similar nature of work as per tender document. Details are mentioned at Sl. 11.1 of Tender Notice of tender document.	Mandatory
2.	Financial Eligibility Criteria:-	<p>T-1 Annual Turnover: The bidder should have an aggregate financial turnover not less than 1.5 times the advertised Bid value during the last three previous financial years and in the current financial year upto the date of opening of the tender. The audited balance sheet reflecting financial turnover certified by chartered accountant with his/her stamp, signature and membership number shall be considered.</p> <p>T-2 Liquidity: The bidder should have access to or has available liquid assets, lines of credit and other financial means to meet cash flow that is valued at 5% of the estimated bid value net of applicant's commitments for other contracts. Details are mentioned at Sl. 11.2 (ii) of Tender Notice of tender document.</p>	Mandatory
3.	Technical Eligibility Criteria:	Number of years in operation.	Mandatory
4.	Annexure-XVIII	Undertaking for Truthfulness/ Correctness of the DOCUMENTS submitted/uploaded by the tenderer alongwith the tender as proforma placed at Annexure- XVIII of Tender Document.	Mandatory
5.	GST registration document	Tenderer should submit a copy of Goods & Serviced Tax (GST) registration certificate.	Mandatory


वरिष्ठ मण्डल विद्युत अभियन्ता (क0 च0 स्टा0),भिलाई
(भारत के राष्ट्रपति के लिए तथा उनकी ओर से)


ADME(MEMU)

दक्षिण पूर्व मध्य रेलवे

Name of Work : Upper gear attention work with plumbing & carpentry works and pest control treatment of MEMU coaches (MCs + TCs) for 3 years.

Completion Period : 36 (Thirty Six) months from the date of commencement of work.

Consignee : Sr. Section Engineer/MEMU Car Shed, Bhilai.

PRICE SCHEDULE

The tenderer should carefully study all instructions, terms and conditions as mentioned in Conditions of Contract and Special Conditions and Price Schedule of this tender before quoting their offer for following Price Schedules:-

Part	SN	Description	Quantity for 36months	unit	Rate (in Rs.)	Amount (in Rs.)
A	1	Cost for per coach for Upper gear attention of coaches.	24090	Per coach	187.53	4517597.70
	2	Supply and fixation of rexine/mat with all fitting accessories on floor in TC & MC of MEMU rake (Fire Retardant Vinyl Coated Fabric as per RDSO Spec. No. RDSO/2008/CG-07, Rev. 0 Aug 2008 or latest).	2721	Sq.mtr	201.67	548744.07
		Total (Sr. no. 1 to 2)				50,66,341.77
B	1	Pest control treatment to MEMU coaches (MCs + TCs).	24090	Per coach	150.78	3632290.20
		Total				36,32,290.20
C		Heavy repair/replacement:				
	1	Tank Rehabilitation: Cleaning, repairing, and testing of overhead Aluminium water tank of MEMU Coaches.	100	Nos.	3223.01	322301.00
	2	Full window assembly change or change of glass shutter or change of louver shutter.	200	Nos.	194.30	38860.00
	3	Lavatory door complete change/repair with all amenities.	300	Nos.	188.30	56490.00
	4	Repair and fitment of compartment/main door/End sliding vestibule door/sliding door.	400	Nos.	361.70	144680.00
	5	Fitting of mirror in lavatory area and outside basin area.	1200	Nos.	62.17	74604.00
	6	Repair/replacement of side filling, lota pipe, wash basin pipe inside, outside and clamping properly.	1500	Nos.	56.45	84675.00
	7	Stripping & fitting of squirting pan/commode.	80	Nos.	97.34	7787.20

	8	Supply and Application of Stickers with retro reflective sheet, ultralight and high intensity grade with digital print and UV protect (Content and design approval by Consignee) for Making and Fitment of Destination Boards, LV Boards for MEMU Coaches.	1700	Nos.	246.12	418404.00
	9	Repair/replacement of flush pipe with push type flush valve with all attachment.	2500	Nos.	29.20	73000.00
	10	Repair/change of wash basin with dustbin in inside or outside lavatory with drain pipe and jali.	300	Nos.	97.34	29202.00
	Total (sr no. 1 to 10)					12,50,003.20
D	1	Material required for replacement on conditional basis for plumbing, carpentry works are attached in Annexure-IA.	Lumpsum			63,25,148.28
	Grand Total (Part A+B+C+D)					1,62,73,783.48

(In words: Rupees One Crore Sixty Two Lakh Seventy Three Thousand Seven Hundred Eighty Three and Forty Five Paise Only).

Note:

- Taxes and levies will be deducted at source as applicable. (As per General Conditions of Service Contract of Indian Railways)
- The schedule Amount is inclusive of all taxes i.e. GST @18%, etc.
- Rate quoted should be "Above/Below/At Par" and should be inclusive of GST and levies including contractor's profits, expenditure to fulfil the contract conditions or any such taxes enforced by the Railway, State/Central Govt. Of Labour Ministry time to time.
- Firm is advised that the rate should be quote as per latest guideline of Indian Railway.
- The contractor must have to pay the extant minimum wages as notified by Chief labour commissioner, New delhi from the time to time to the staff deputed by them.

वरिष्ठ मण्डल विद्युत अभियन्ता (क0 च0 स्टा0), भिलाई
(भारत के राष्ट्रपति के लिए तथा उनकी ओर से)

ADME (MEMU)

A. Material required for replacement on conditional basis for plumbing, carpentry works for conventional MEMU Rakes are given below:

SN	Description	Unit	Qty (Quarterly)	Qty for 3 Years	Unit rate (In Rs.)	Amount (In Rs.)
1	Thermostatic Plastic hose pipe 50 mm	Mtr	10	120	63.62	7634.40
2	CF outlet pipe 1"	No.	20	240	58.91	14138.40
3	Gravity Cock 1/2"	No.	150	1800	18.85	33930.00
4	Hinges 3"	No.	100 (Half yearly)	600	24.51	14706.00
5	Hinges 100mm	No.	20	240	30.63	7351.20
6	Turnover Latch / Inside toilet door latch	No.	150	1800	87.18	156924.00
7	Pipe clamp 1"	No.	30	360	56.55	20358.00
8	Pipe clamp 1/2"	No.	30	360	32.99	11876.40
9	Pipe clamp 3/4"	No.	30	360	44.77	16117.20
10	Joint 'T' 1/2"	No.	30	360	35.68	12844.80
11	Socket 1/2"	No.	30	360	16.9	6084.00
12	Union 1/2"	No.	30	360	25.66	9237.60
13	Nipple 1/2"	No.	30	360	25.66	9237.60
14	Running socket 1/2"	No.	20	240	35.68	8563.20
15	Tap 1/2"	No.	50	600	220.36	132216.00
16	Jubilee clamp 31.50mm	No.	10	120	31.50	3780.00
17	Jubilee clamp 50mm	No.	10	120	31.50	3780.00
18	Complete set of water inlet pipe nozzle with elbow and reducer	No.	50	600	189.71	113828.40
19	Toilet Grab Handle	No.	8	96	367.50	35280.00
20	Door handle for inside and outside of toilet	No.	25	300	210.00	63000.00
21	Flush Out Valve	No.	75	900	315.30	283774.05
22	Flush out valve outlet arrangement (with fish tail)	Set	25	300	216.07	64820.70
23	Barrel Bolt (Chitkini) - 150 mm	No.	75	900	36.59	32933.25
24	Toilet floor drain sink cover	No.	75	900	105.00	94500.00
25	Stainless Steel Dustbin	No.	80	960	550.37	528353.28
26	Chain to fix the dustbin	No.	80	960	105.00	100800.00
27	C-Clamp	No.	150	1800	73.50	132300.00
28	40 mm elbow and its short piece (Nipple)	No.	200	2400	194.25	466200.00
29	40 mm flexible extension pipe (Hose Pipe)	Metre	40	480	63.00	30240.00
30	25 mm elbow and its short piece (Nipple)	No.	20	240	157.50	37800.00
31	25 mm flexible extension pipe (Hose Pipe)	Metre	30	360	42.00	15120.00
32	Jubilee Clamp - 25 mm elbow	No.	15	180	31.50	5670.00
33	20 mm elbow and its short piece (Nipple)	No.	4	48	157.50	7560.00
34	20 mm flexible extension pipe (Hose Pipe)	Metre	25	300	31.50	9450.00

35	Jubilee Clamp for 20 mm elbow and its short piece (Nipple)	No.	10	120	31.50	3780.00
36	½" T-type joint	No.	10	120	84.00	10080.00
37	½" flexible extension pipe (Hose Pipe)	Metre	25	300	42.00	12600.00
38	½" flexible pipe Jubilee clamp	No.	15	180	31.50	5670.00
39	½" elbow and its short piece (Nipple)	No.	15	180	157.50	28350.00
40	½" Hose Connector (Tail Piece)	No.	20	240	168.00	40320.00
41	3/4" Hose Connector (Tail Piece)	No.	10	120	189.00	22680.00
42	Supply and fixing of soap dispenser in toilets	No.	100	1200	210.00	252000.00
43	Refilling of Liquid soap	No.	1062	12744	63.00	802872.00
44	Supply and fixing of Mirror in toilet	No.	15	180	388.5	69930.00
45	Switch covers	No.	100	1200	126	151200.00
46	Switches	No.	100	1200	42	50400.00
47	Mobile charging sockets	No.	100	1200	378	453600.00
48	Complete switch board with cover, switches and charging sockets as per prescribed design to be given by Railway	No.	50	600	567	340200.00
49	Mug with chain	No.	120	1440	70	100800.00
50	Dustbin with chain and garbage bag	No.	80	960	200	192000.00
51	Odonil pocket	No.	120	1440	50	72000.00
52	Grab handle	No.	100	1200	250	300000.00
53	Indian commode pan	No.	1	12	2000	24000.00
54	Wash basin	No.	3	36	1800	64800.00
55	Water filling nozzle	No.	10	120	400	48000.00
56	Sliding door roller	No.	20	240	150	36000.00
57	Aluminium patti for toilet door 2"	Meter	50	600	100	60000.00
58	Hexagonal Nipple 1.25"	No.	10	120	75	9000.00
59	Locking arrangement for panel of MC & TC	No.	50	600	120	72000.00
60	Screw set (3/2", 1", 3/4", 1/2")	Set	200	2400	28	67200.00
Total						47,34,090.48


 ADME(MEMU)

B. Three phase Rake Items						
SN	Description	Unit	Qty (Quarterly)	Qty for 3 Years	Unit rate	Amount
1	Thermostatic Plastic hose pipe 50 mm	Mtr.	5 mtr	60	63.62	3817.20
2	Modular push type Flush Valve	No.	50	600	106.04	63624.00
3	CF outlet pipe 1"	No.	5	60	58.91	3534.60
4	Modular water tap ½"	No.	100	1200	220.36	264432.00
5	Turnover Latch / Inside toilet door latch	No.	30	360	87.18	31384.80
6	Socket ½"	No.	5	60	16.9	1014.00
7	Union ½"	No.	5	60	25.66	1539.60
8	Nipple ½"	No.	20	240	25.66	6158.40
9	Running socket ½"	No.	10	120	35.68	4281.60
10	Main Door latch (Inner/Outer)	No.	10	120	430.07	51608.40
11	Bathroom door latch (Inside/Outside)	No.	10	120	350.57	42068.40
12	Jublee clamp 60mm	No.	10	120	103.29	12394.80
13	Modular Door lock for sliding door	No.	10	120	450	54000.00
14	Screw set SS (3/2", 1", 3/4", 1/2")	Set	50	600	50	30000.00
15	Door closure	No.	20 (Half yearly)	120	900	108000.00
16	Toilet floor mat	Sq mtr	50 sq mtr	600	250	150000.00
17	Modular wash basin tap	No.	50	600	400	240000.00
18	Toilet spray jet gun (complete set)	No.	50	600	600	360000.00
19	Western commode pan	No.	1	12	5000	60000.00
20	Indian commode pan	No.	1	12	2000	24000.00
21	Wash basin	No.	1	12	1800	21600.00
22	Flexible pipe size in set (3/2", 1", ½")	mtr	10 mtr	120	120	14400.00
23	Water filling nozzle	No.	5	60	400	24000.00
24	Poly carbonate adhesive for seat rexine fixing	Litre	5	60	320	19200.00
25	Overhead Water tank as per specification to be given by Railway	No.	1	12	80240	962880.00
Total						15,91,057.8
Grand Total(A + B) with GST @18%						63,25,148.28

37
ADME(MEMU)