### **DISTRICT MUNICIPAL CORPORATION** MALIR KARACHI

Main Kalaboard Bus Stop, Behind Saudabad Police Station, Malir Town, Karachi

No.B	&R/MZ/	Malir/2016/ 💢 🛴		Dated:	سهر <sub>س</sub> M	arch, 2016
		NOTICE INVITIN	<b>NG TENDER</b>			
1. Author	District ity Rules	Municipal Corporation, Malir Karachi invites sea -2010 (Amended 2013) from the interested cont	aled tenders under Sind tractors/firms in respec	t of following	ig works: į	
S.		Name of Work	Estimated Cost	Bid Security	Tender Fee	Time for completion
1.	Alumir	ing and Fixing Doors, Windows, num and Wooden in Head Office ng of DMC Malir.	862722	2%	1000/-	1 month
2.	Repair		779109 + Open Rate (within 1 million)	2%	1000/-	1 month
3.		ing and laying wood paneling in il Hall of Head Office of DMC Malir.	Open Rates (within 1 million)	2%	1000/-	1 month
2.		ity: Valid Registration with tax authorities & Sin		,		
3. 4		d of Procurement: Single Stage One Envelope g/Tender Documents:				
4	(i)	Issuance: Tender documents will be issued to	the contractors on sub-	mission of v	written regi	lest on their
	( )	letterhead from date of publication (during off	ice hours), on paymer			
	<i>(</i> 23)	mentioned against each item) upto	2016			
	(ii) (iii)	Submission: Last date will be ( / / - C Opening: will be opened on ( / / - C		rs) ·c)		
	(iv)	Place of issuance, submission, inquiries and o		<b>3</b> ).		
	(/	Address (Postal): Office of the Superintending		r, Main Kal	laboard Bu	st Stop.
		Behind Saudabad Police S				248035
	(V)	Un-responded tenders will be again issued/s <a href="https://www.ttempt">https://www.ttempt</a> : (a) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (a) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (b) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (a) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (b) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (a) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (b) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (b) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (c) Issue date: <a href="https://www.ttempt">https://www.ttempt</a> : (d) Issue date: <	submitted/ opened on fo	ollowing da	tes:-	
	<u> 2.10 F</u>	(b) Submission:	at 1400 hours	auring om	ce nours	
		(c) Opening	at 1430 hours			
		(d) Venue. As above.	<del>-</del>			
_	_	0.0				
5.		& Conditions. Under following conditions bid will be rejected:				
	(a)	(i) Conditional and telegraphic bids/tende				
		(ii) Bids not accompanied by bid security of		form.		
		(iii) Bids received after specified date and				
		(iv) Black listed firms.				
		(v) In case the date of opening is declared				
	(h)	working day shall be deemed to the da Bid validity Period: - (90) days	ate/time of submission a	and openin	g or tender	
	(b) (b)	Procuring Agency reserves the right to reject a	all or any bids subject to	the releva	ant provisio	ns of Sindh
	(0)	Public Procurement Rules 2010	and dry brad dabject to			
	(d)	Responsive Bidder is required to submit fol	llowina documents w	ith bid:		
V	D,	(i) List of similar assignments with cost or			ist (3) year	s:
	- 1	(ii) Details of equipments, machineries an				
_ ~	ı ^,	(iii) Financial Statement (summary) and in		last 3 year	S	
	ź	(iv) Affidavit that firm has never been black	Klisted.			
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DMC MALIR

### DIRECTOR (C.B) SPPRA, GOS

With a request to upload on the website of SPPRA as desired under Rule-11 & 12. Copy to:

- 1. The Secretary, Local Government Department, Govt. of Sindh.
- 2. The Administrator, DMC Malir Karachi.
- 3. Municipal Commissioner, DMC Malir, Karachi.
- 4. Executive Engineer, M&E / B&R, Malir Zone, DMC Malir, Karachi

# DISTRICT MUNICIPAL CORPORATION

### MALIR KARACHI

Ph:021-99248035

Main Kalaboard Bus Stop. Behind Saudabad Police Station, Malir Town, Karachi

## ANNUAL PROCUREMENT PLAN

DISTRICT MUNICIPAL CORPORATION, MALIR ZONE, KARACHI FINANCIAL YEAR 2015-16

:	ڊس	•	ار.		Sr.	-
	<ol> <li>Providing and laying wood paneling in Council Hall of Head Office of DMC Malir.</li> </ol>		Repair / Maintenance of Head Office Building of DMC Malir.	Providing and Fixing Doors, Windows, Aluminum and Wooden in Head Office Building of DMC Malir.	Description of Procurement	. !
	Not applicable		Not applicable	Not applicable	Quantity (where applicable)	-
:	Not applicable		Not applicable	Not applicable	Estimated unit cost (where applicable)	•
one million)	Open Rates	(within one million)	779109 + Open Rate	862722	Estimated total cost	
	1000000		1000000	1000000	Funds allocated	
:	Non- ADP		ADP	ADP	Source of funds (ADP / Non- ADP)	
	3rd 4th Qtr Qtr		3rd 4th Qtr Qtr	3rd 4th Qtr Qtr	Timing of  procurements  1st 2nd 3rd 4th Remarks  Qtr Qtr Qtr Qtr	

SUPERINTENDING ENGINEER,
DMC MALIR



### No.RO(LG)/Malir/3/01/2016

### GOVERNMENT OF SINDH LOCAL GOVERNMENT & HOUSING TOWN PLANNING DEPARTMENT

Karachi Dated. 26<sup>th</sup>, February, 2016

To.

The Administrator,

District Municipal Corporation, Malir,

Karachi.

SUBJECT: CONSTITUTION OF PROCUREMENT COMMETTEE OF DMC MALIR FOR THE YEAR 2015-2016.

I am directed to refer to the subject noted above and invite your attention to this Department's letter of even number dated 11.02.2016, the Constitution of Committee may be read as "Constitution of Procurement Committee of DMC Malir for the year 2015-2016 instead of Constitution of Procurement Committee of DMC Malir (Bin Qasim Zone).

A copy forwarded for information to the:-

- 71. The Managing Director, Sindh Procurement Authority, Karachi.
- 2. P.S to Minister, Local Govt. & Housing Town Planning, Sindh.
- P.S. to Secretary, local Govt. &Housing Town Planning Department.



### No.ROd o Wallington con-GOVERNMENT OF SINDH LOCAL GOVERNMENT AND HOUSING TEACH PLANNING DEPARTMENT

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The Administrator.

District Municipal Corporation, Malir,

Karachi,

SUBJECT:

CONSTITUTION OF PROCUREMENT COMMITTEE OF DAIC MALIR (BIN QASIM ZONE) FOR THE YEAR 2015-2016.

directed to refer to your letter No.DMC Malic B.O. Zone Administrator 02, 2016, dated 25.01.2016 on the subject captioned above and to convey that orders of the Competent Authority for constitution of the Procurement Committee as under-

Chairman Superintending Engineer 1. District Municipal Corporation Malir. Executive Engineer Directors (Concerned) Member 2. District Municipal Corporation Malir. Mamber Mr. Amanullah Watio 3 Executive Engineer District Municipal Corporation South.

Nece eary action may please be taken after observing all codal formulities as fald down under the Sindh Pablic Procuremnet Rule, 2010.

RESEARCH OFFICER (LG)

A copy is forwarded for information to:

- The Managing Director, Sindh Procurement Authority, Karachi.
- P.S to Minister, Local Govt. & Housing Town Planning, Sindh. P.S. to Secretary, Local Govt.& Housing Town Planning Department.

RESEARCH OFFICER (LC)



### DISTRICT MUNICIPAL CORPORATION MALIR, KARACHI

### OFFICE OF THE ADMINISTRATOR DISTRICT MUNICIPAL CORPORATION MALIR, KARACHI

No.DMC Malir / Lang . Zone/Administrator/36 /2015 (MZ)

Dated 21-10-2015

Subject: - CONSTITUTION OF COMMITTEE FOR COMPLAIN REDRESSAL OF GRIEVANCES AND SETTLEMENT OF DISPUTES

As required under rule 31 of Sindh Public Procurement (SPP) Rules. 2010 (Amended 2013) a committee for complaint redressal of grievances and settlement of disputes is hereby constituted for District Municipal Corporation Malir (Bin Qasim Zone), Karachi for the financial year 2015-2016 consisting upon following:-

Municipal Commissioner
 District Municipal Corporation Malir, Karachi

Chairman

2. Accounts Officer
District Municipal Corporation Malir, Karachi

Member

 Mr. Anwar Khurshed Contract Specialist M/S. ECIL, Karachi

\_ ---Member

Administrator District Municipal Corporation Matir Karachi

### Copy forwarded for information tu:-

- 1. Director (CB) SPPRA, Karachi
- 2. Municipal Commissioner, District Municipal Corporation Malir, Karachi
- 3. Superintending Engineer, District Municipal Corporation Malir, Karachi
- 4. Accounts Officer District Municipal Corporation Malir, Karachi.
- 5. Mr. Anwar Khurshed Contract Specialist M/s. ECIL, Karachi.

Administrator District Municipal Corporation Malir Karachi

### BIDDING DOCUMENT

### Instructions to Bidders/ Procuring Agencies.

### General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and Contract Data.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

1. All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

- 2. Content of Bidding Documents must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.
- 3. Fixed Price Contracts: The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.
- 4. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.
- 5. Conditional Offer: Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time

allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

- 6. All works shall be measured by standard instruments according to the rules.
- 7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.
- 8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.
- 9. Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.
- 10. Bid without bid security of required amount and prescribed form shall be rejected.
- 11. Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;
  - (A) In case of schedule rates, the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.
  - (B) In case of item rates, If there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.
  - (C) Where there is a discrepancy between the amounts in figures, and in words, the amount in words will govern.

### BIDDING DATA Work No.1

(a). Name of Procuring Agency: MALIR ZOI KARACHI.	NE, DISTRICT MUNICIPAL CORPO	<u>ORATION,</u>
(b). Brief Description of Works: <u>PRO</u> <u>ALUMINUM AND WOODEN IN HEAD</u>		
(c). Procuring Agency's address:-MAIN KAPOLICE STATION, MALIR TOWN, KAP		SAUDABAD
(d). Estimated Cost:86272	22	
(e). Amount of Bid Security:2% O	OF ESTIMATED COST	
(f). Period of Bid Validity (days):- 90 Days		
(g). Security Deposit:- (i). (bid security):- (ii) 8% Retention mo	02% of Contract/Sanction Amount oney of bill amount will be deducted f	rom
(h). Percentage, if any, to be deducted from	bills: 7.5% Income Tax	
(i). Deadline for Submission of Bids along w	vith time: 14 - 2016 (1400 hou	ırs)
(j). Venue, Time, and Date of Bid Opening:	Superintending Engineer, DMC Malir, Kalaboard Bust Stop, Behind Saudabad Station, Malir Town, Karachi.	Main
(k). Time for Completion from written order	r of commence: One month	
(L). Liquidity damages:- Rs.1000/- P (0.05 of Estimated Cost or Bid cost per day of o		
(m). Deposit Receipt No:	Date:	
<b>Amount:</b> (in words & figures) Rs.1000/= (I	Rupees one thousand only)	

ASSISTANT EXECUTIVE ENGINEER (B&R)

### BIDDING DATA Work No.2

(a).	Name of Procuring Agency: MALIR ZONE, DISTRICT MUNICIPAL CORP. KARACHI.	ORATION.
(b).	Brief Description of Works: REPAIR / MAINTENANCE OF HEAD OFFICE OF DMC MALIR.	CE BUILDING
	Procuring Agency's address:-MAIN KALABOARD BUS STOP, BEHIND POLICE STATION, MALIR TOWN, KARACHL	SAUDABAD
(d).	Estimated Cost:- 779109 + Open Rate (within one m	illion)
(e).	Amount of Bid Security:- 2% OF ESTIMATED COST	
(f).	Period of Bid Validity (days):- 90 Days	
(g).	Security Deposit:- (i). (bid security):- 02% of Contract/Sanction Amount  (ii) 8% Retention money of bill amount will be deducted Running Bill	from
(h).	Percentage, if any, to be deducted from bills: 7.5% Income Tax	
(i).	Deadline for Submission of Bids along with time: 2016 (1400 ho	urs)
(j).	Venue, Time, and Date of Bid Opening:  Superintending Engineer, DMC Malir Kalaboard Bust Stop, Behind Saudaba Station, Malir Town, Karachi.	Main
(k).	Time for Completion from written order of commence: One month	
	Liquidity damages:- Rs.1000/- Per Day 5 of Estimated Cost or Bid cost per day of delay, but total not exceeding 10%).	
(m).	. Deposit Receipt No: Date:	
Am	ount:(in words & figures) Rs.1000/= (Rupees one thousand only)	

ASSISTANT EXECUTIVE ENGINEER (B&R)

### BIDDING DATA Work No.3

• •	ame of Procuring Agency: <u>MALIR ZONE, DISTRICT MUNICIPAL CORPO</u> <u>ARACHI.</u>	RATION,
	rief Description of Works: <u>PROVIDING AND LAYING WOOD PANELING</u> ALL OF HEAD OFFICE OF DMC MALIR.	IN COUNCI
	rocuring Agency's address:-MAIN KALABOARD BUS STOP, BEHIND DLICE STATION, MALIR TOWN, KARACHI.	<u>SAUDABAI</u>
(d). E	stimated Cost:- Open Rate (within one million)	
(e). A	mount of Bid Security:- 2% OF ESTIMATED COST	
(f). P	eriod of Bid Validity (days):- 90 Days	
(g). So	curity Deposit:- (i). (bid security):- 02% of Contract/Sanction Amount  (ii) 8% Retention money of bill amount will be deducted from Running Bill	om_
(h). P	ercentage, if any, to be deducted from bills: 7.5% Income Tax	
(i). D	eadline for Submission of Bids along with time: 2016 (1400 hour	·s)
(j). Vo	enue, Time, and Date of Bid Opening:  Superintending Engineer, DMC Malir, N  Kalaboard Bust Stop, Behind Saudabad  Station, Malir Town, Karachi.	Main
(k). T	me for Completion from written order of commence: One month	
	iquidity damages:- Rs.1000/- Per Day of Estimated Cost or Bid cost per day of delay, but total not exceeding 10%).	
(m). E	Deposit Receipt No:Date:	
Amou	nt:(in words & figures) Rs.1000/= (Rupees one thousand only)	
	ASSISTANT EXECUTIVE ENGIN	IEER (B&R)

### Conditions of Contract

Clause – 1:Commencement & Completion Dates of work. The contractor shall not enter upon or commence any portion or work except with the written authority and instructions of the Engineer-in-charge or of in subordinate-in-charge of the work. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.

The contractor shall proceed with the works with due expedition and without delay and complete the works in the time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall reckoned from the date on which the order to commence work is given to the contractor. And further to ensure good progress during the execution of the wok, contractor shall be bound, in all in which the time allowed for completion of any work exceeds one month, to achieve progress on the prorate basis.

Clause – 2:Liquidated Damages. The contractor shall pay liquidated damages to the Agency at the rate per day stated in the bidding data for each day that the completion date is later than the Intended completion date; the amount of liquidated damage paid by the contractor to the Agency shall not exceed 10 per cent of the contract price. Agency may deduct liquidated damages from payments due to the contractor. Payment of liquidated damages does not affect the contractor's liabilities.

### Clause – 3: Termination of the Contract.

- (A) Procuring Agency/Executive Engineer may terminate the contract if either of the following conditions exits:-
  - (i) contractor causes a breach of any clause of the Contract;
  - (ii) the progress of any particular portion of the work is unsatisfactory and notice of 10 days has expired;
  - (iii) in the case of abandonment of the work owing to the serious illness or death of the contractor or any other cause.
  - (iv) contractor can also request for termination of contract if a payment certified by the Engineer is not paid to the contractor within 60 days of the date of the submission of the bill;
- (B) The Executive Engineer/Procuring Agency has power to adopt any of the following courses as may deem fit:-
  - (i) to forfeit the security deposit available except conditions mentioned at A (iii) and (iv) above;
  - (ii) to finalize the work by measuring the work done by the contractor.

Bidding Document - Malir Zone, District Municipal Corporation, Malir Karachi

- (C) In the event of any of the above courses being adopted by the Executive Engineer/Procuring Agency, the contractor shall have:-
  - (i) no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials, or entered into any engagements, or made any advances on account of, or with a view to the execution of the work or the performance of the contract,
  - (ii) however, the contractor can claim for the work done at site duly certified by the executive engineer in writing regarding the performance of such and has not been paid.

Procuring Agency/Engineer may invite fresh bids for remaining work.

Clause 4: Possession of the site and claims for compensation for delay. The Engineer shall give possession of all parts of the site to the contractor. If possession of site is not given by the date stated in the contract data, no compensation shall be allowed for any delay caused in starting of the work on account of any acquisition of land, water standing in borrow pits/ compartments or in according sanction to estimates. In such case, either date of commencement will be changed or period of completion is to be extended accordingly.

Clause -5: Extension of Intended Completion Date. The Procuring Agency either at its own initiatives before the date of completion or on desire of the contractor may extend the intended completion date, if an event (which hinders the execution of contract) occurs or a variation order is issued which makes it impossible to complete the work by the intended completion date for such period as he may think necessary or proper. The decision of the Executive Engineer in this matter shall be final; where time has extended under this or any other clause of this agreement, the date for completion of the work shall be the date fixed by the order giving the extension or by the aggregate of all such orders, made under this agreement.

When time has been extended as aforesaid, it shall continue to be the essence of the contract and all clauses of the contract shall continue to be operative during the extended period.

Clause -6: Specifications. The contractor shall execute the whole and every part of the work in the most substantial and work-man-like manner and both as regards materials and all other matters in strict accordance with the specifications lodged in the office of the Executive Engineer and initialed by the parties, the said specification being a part of the contract. The contractor shall also confirm exactly, fully and faithfully to the designs, drawing, and instructions in writing relating to the work signed by the Engineer-in-charge and lodge in his office and to which the contractor shall be entitled to have access at such office or on the site of work for the purpose of inspection during office hours and the contractor shall, if he so requires, be entitled at his own expense to make or cause to be made copies of the specifications, and of all such designs, drawings, and instructions as aforesaid

### Clause – 7: Payments.

(A) Interim/Running Bill. A bill shall be submitted by the contractor as frequently as the progress of the work may justify for all work executed and not included in any previous bill at least once in a month and the Engineer-in-charge shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as for as admissible, adjusted, if possible before the expiry of ten days from the presentation of the bill, at any time depute a subordinate to measure up the said work in the presence of the contractor or his authorized agent, whose countersignature to the measurement list will be sufficient to warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

The Engineer /Procuring Agency shall pass/certify the amount to be paid to the contractor, which he considers due and payable in respect thereof, subject to deduction of security deposit, advance payment if any made to him and taxes.

All such intermediate payment shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the Engineer-in-charge from recoveries from final bill and rectification of defects and unsatisfactory items of works pointed out to him during defect liability period.

(B) The Final Bill. A bill shall be submitted by the contractor within one month of the date fixed for the completion of the work otherwise Engineer-in-charge's certificate of the measurements and of the total amount payable for the works shall be final and binding on all parties.

Clause – 8: Reduced Rates. In cases where the items of work are not accepted as so completed, the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on running account bills with reasons recorded in writing.

### Clause - 9: Issuance of Variation and Repeat Orders.

- (A) Agency may issue a Variation Order for procurement of works, physical services from the original contractor to cover any increase or decrease in quantities, including the introduction of new work items that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.
- (B) Contractor shall not perform a variation until the Procuring Agency has authorized the variation in writing subject to the limit not exceeding the contract cost by of 15% on the same conditions in all respects on which he agreed to do them in the

work, and at the same rates, as are specified in the tender for the main work. The contractor has no right to claim for compensation by reason of alterations or curtailment of the work.

- (C) In case the nature of the work in the variation does not correspond with items in the Bill of Quantities, the quotation by the contractor is to be in the form of new rates for the relevant items of work, and if the Engineer-in-charge is satisfied that the rate quoted is within the rate worked out by him on detailed rate analysis, and then only he shall allow him that rate after approval from higher authority.
- (D) The time for the completion of the work shall be extended in the proportion that the additional work bear to the original contact work.
- (E) In case of quantities of work executed result the Initial Contract Price to be xceeded by more than 15%, and then Engineer can adjust the rates for those quantities causing excess the cost of contract beyond 15% after approval of Superintending Engineer.
- (F) Repeat Order: Any cumulative variation, beyond the 15% of initial contract amount, shall be subject of another contract to be tendered out if the works are separable from the original contract.

### Clause-10: Quality Control.

- (A) Identifying Defects: If at any time before the security deposit is refunded to the contractor/during defect liability period mentioned in bid data, the Engineer-incharge or his subordinate-in-charge of the work may instruct the contractor to uncover and test any part of the works which he considers may have a defect due to use of unsound materials or unskillful workmanship and the contractor has to carry out a test at his own cost irrespective of work already approved or paid.
- (B) Correction of Defects: The contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require. The contractor shall correct the notified defect within the Defects Correction Period mentioned in notice.

### (C) Uncorrected Defects:

(i) In the case of any such failure, the Engineer-in-charge shall give the contractor at least 14 days notice of his intention to use a third party to correct a defect. He may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

(ii) If the Engineer considers that rectification/correction of a defect is not essential and it may be accepted or made use of; it shall be within his discretion to accept the same at such reduced rates as he may fix therefore.

### Clause - 11:

- (A) Inspection of Operations. The Engineer and his subordinates, shall at all reasonable times have access to the site for supervision and inspection of works under or in course of execution in pursuance of the contract and the contractor shall afford every facility for and every assistance in obtaining the right to such access.
- (B) Dates for Inspection and Testing. The Engineer shall give the contractor reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor, then he either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose, orders given to the contractor's duly authorized agent shall be considered to have the same force an effect as if they had been given to the contractor himself.

### Clause - 12: Examination of work before covering up.

- (A) No part of the works shall be covered up or put out of view/beyond the reach without giving notice of not less than five days to the Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the Engineer shall, without delay, unless he considers it unnecessary and advises the contractor accordingly, attend for the purpose of examining and measuring such part of the works or of examining such foundations;
- (B) If any work is covered up or placed beyond the reach of measurement without such notice having been given, the same shall be uncovered at the contractor's expense, and in default thereof no payment or allowance shall be made for such work, or for the materials with which the same was executed.

Clause – 13: Risks. The contractor shall be responsible for all risks of loss of or damage to physical property or facilities or related services at the premises and of personal injury and death which arise during and in consequence of its performance of the contract. if any damage is caused while the work is in progress or become apparent within three months of the grant of the certificate of completion, final or otherwise, the contractor shall make good the same at his own expense, or in default the Engineer may cause the same to be made good by other workmen, and deduct the expenses from retention money lying with the Engineer.

Clause-14: Measures for prevention of fire and safety measures. The contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a permit from the Executive Engineer. When such permit is given, and also in all cases when destroying, cutting or uprooting trees, bush-wood, grass, etc by fire, the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property. The contractor is responsible for the safety of all its activities including protection of the environment on and off the site. Compensation of all damage done intentionally or unintentionally on or off the site by the contractor's labour paid by him.

Clause-15:Sub-contracting. The contractor shall not subcontract the whole of the works, except where otherwise provided by the contract. The contractor shall not subcontract any part of the works without the prior consent of the Engineer. Any such consent shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any subcontractor, his agents, servants or workmen as if these acts, defaults or neglects were those of the contractor, his agents' servants or workmen. The provisions of this contract shall apply to such subcontractor or his employees as if he or it were employees of the contractor.

Clause – 16: Disputes. All disputes arising in connection with the present contract, and which cannot be amicably settled between the parties, , the decision of the Superintending Engineer of the circle/officer/one grade higher to awarding authority shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, designs drawings, and instructions, hereinbefore mentioned and as to the quality of workmanship, or materials used on the work or as to any other questions, claim, right, matter, or thing whatsoever in any way arising out of, or relating to the contract design, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution, of failure to execute the same, whether arising, during the progress of the work, or after the completion or abandonment thereof.

Clause -17: Site Clearance. On completion of the work, the contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called the Engineer incharge) of such completion, but neither such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed all temporary structures and materials brought at site either for use or for operation facilities including cleaning debris and dirt at the site. If the contractor fails to comply with the requirements of this clause then Engineer-in-charge, may at the expense of the contractor remove and dispose of the same as he thinks fit and shall deduct the amount of all expenses so incurred from the contractor's retention money. The contractor shall have no claim in respect of any surplus materials as aforesaid except for any sum actually realized by the sale thereof.

### Clause -18: Financial Assistance /Advance Payment.

- (A) Mobilization advance is not allowed.
- (B) Secured Advance against materials brought at site.
  - (i) Secured Advance may be permitted only against imperishable materials/quantities anticipated to be consumed/utilized on the work within a period of three months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract. The sum payable for such materials on site shall not exceed 75% of the market price of materials;
  - Recovery of Secured Advance paid to the contractor under the provisions shall be affected from the monthly payments on consumption basis, but not later than period more than three months if unutilized).

Clause -19: Recovery as arrears of Land Revenue. Any sum due to the Government by the contractor shall be liable for recovery as arrears of Land Revenue.

Clause -20: Refund of Security Deposit/Retention Money. On completion of the whole of the works (a work should be considered as complete for the purpose of refund of security deposit to a contractor from the last date on which its final measurements are checked by a competent authority, if such check is necessary otherwise from the last date of recording the final measurements), the defects notice period has also passed and the Engineer has certified that all defects notified to the contractor before the end of this period have been corrected, the security deposit lodged by a contractor (in cash or recovered in installments from his bills) shall be refunded to him after the expiry of three months from the date on which the work is completed.

Divisional Accountant

Contractor

Executive Engineer/Procuring Agency

### MORY NOT

Name of work: Treveling & Friency Dears in TEAT CAME V. A. DESCRIPTION OF WORK AMOUNT (c) Dismantling cement concrete plain 1:2:4 34972.00 1051 eft Providing and laying 2" topping cement concrete 1:2:4 i/e surface finishing and dividing into panels. 3275.50% sft 123814.00 3780 sfi Cleaning and washing mosaic of marble floor with caustic soda mixture. 4965 sft 194.43% sft 9653.00 Rubbing and polishing old mosaic floor.  $4965 \, \mathrm{sft}$ 1228.92% sft 61016.00 Supplying and fixing in position Aluminam channels framing for hinged doors of Alcopmade with 5 mm thick timed glazing (Belgium) and Alpha (Japan) lock including handles stopper etc (a) Double model (white). 1450.76 p-sft 4**0**621.00 28 s ftSupplying and fixing in position Aluminum Ò. channels framing for sliding windows and ventilators of Alcop made with 5 mm thick timed glazing (Belgium) and Aluminum fly screen including handles stopper and locking utrangement etc. complete. (a) Double model (white). 24 sft 1592.69 p-sit 38224.00 7. Providing and fixing in position door and windows and ventilators for 1st class deodar wood frame 1 1/2" thick and teak wood ply shutter for 1st class deodar wood skeleton (solid) stilled and plywood stilled and rail core of partal wood and teak plywood (3 ply) on both sides itc hold fast hinges al drops iron tower bolt handle cleats with cord etc. complete. 209\$21.00 1245.96 p-sft 168 sft 8. Removing coment or line plaster from wall,  $5375 \, \mathrm{sft}$ 6\$04.00 Cement plaster 1:4 upto 12" height. (v) Withick 6394 sfi 3015.76% sti 192828.00 Providing and laying 1:3:6 cement concrete solid block masonry walls 6" below in in thickness set in 1:6 cement, mortar in ground floor super structure ite racking out joints and curing etc. complete. 50 cft 15771.01% cft 7885.00 1:. Dismantling glazed or encaustic tiles etc. 421 sft 786.50% sft 3311.00 1.1 Laying floor of approved coloured glazed tiles 57" thick laid in white cement and pigment on a bed of 37" thick cement mortar 1.2. 134573.00 27747.06% sft

RS 862722.00

### DETAIL OF MEASUREMENTS

1.	Dismantling cement concrete plain 1:2:4.		
	2 (100 ± 25.0) 8.0 x 0.47 1 x 25.0 x 7.0 x 0.47 1 x 32.0 x 7.0 x 0.47	5 552 2.7	340 cft 30 cft 38 cft
	1 (100+35.0) 28.0 x 0.17	2.5	643 cft 1051 cft
•.	2" thick topping C.C 1:2:4 etc		
	1 ( (00±35.0) 28.0	=:	3780 sft
×	Cleaning and washing mosaic floor etc.		
	Land 2td floor		N 722.7 45
	2 x 37.75 x 21.0	<b>1</b> 7	1585 sft
	2 × (6.75 × 14.75	*	494 sfi
	D x 12.75 x 8.75	<del></del>	223 sti
	Vgrandah	<del></del>	H37 sft
	2 x 83.25 x 0.83		376 sft
	2 x 14.75 x 12.75	==	2/0.211
	Stairs		7, 7 .5
	$2 \times 60 \times 4.50 \times 1.42$	Total Control	767 sft
	<u>Sides</u>		er, ii
	2 x 6 x 11.50 x <u>0.42±0.83</u> 2	¥	So sft
	Landings		
	2 x 3 x 11.0 x 4.50		297 sft
			4965 sft
† †	. Rubbing and polishing old mosaic floor etc.		
	Qty, same as item no 6.	T.F	4965 sft
5	. Saffixing Aluminum door etc.		
	$1 \times 4.0 \times 7.0$	- same -	28 sft
()	. S/Fixing Aluminum door etc.		
	1 x 6.0 x 4.0	==	24 sft
£	'. Ply wood shutter (Flush doors) etc.		
	V. 2 Say 2 7 0	25	98 sli
	4 x 3.50 x 7.0		70 s <u>f</u> i
	$4 \times 2.50 \times 7.0$		168 sft
			100 811

8. Removing of lime or cement plaster etc.

Ringins		
Ceiling		
$9 \times 18.0 \times 12.0$		
Verandah		1944 sñ
1 (400~25.0)8.0		<b>3</b> 4 5 6 7 4
UN 25.0 x 7.0	:	1000 sft
Ex 32.0 x 7.0	* <del>.</del>	175 sft
Boundary wall	a a	224 sft
1 x 2 (100 (80.0) 3.0	ar.	/25/22
Parapet wall	- -	900 sft
Ex 2 (100 c25,0) 3.0		750 . 0
\$ x 60.0 x 3.0		750 sft
$1 \times 32.0 \times 3.0$		180 sft
$1 \times 25.0 \times 3.0$	···	96 sft
		<u>75 st</u> t
		5375 sft
9. Cement plaster 1:4 upto 12" height will thick etc.		
Walls		
2 x 2 x 14.0 x 10.50	<u>.</u>	588 sft
$2 \times 2 \times 12.0 \times 10.50$		<u> 504 sti</u>
		1092 sft
	(-)	42 sft
	( )	$\frac{-32.50}{1050  \text{sft}}$
Qty, same as item no 12.	Name Name	5344 sft
		6394 sft
Deduction		0244 811
$4 \times 2 \times 3.0 \times 7.0$ 42 sft		
10. P/L solid block masonry 1:3:6 etc.		
5 x 5.0 x 4.0 x 0.50	:=	50 eft
11. Dismantling glazed or encaustic tiles etc.		
wash room		
3 x 4 x 5.50 x 5.0		
$V\underline{teg}$	<del>:-</del>	330 sfi
3 x 1 x 5.50 x 5.50		70.1
	<del></del>	<u>91 stt</u>
		421 sft

### 12. Laying floor of approved glazed tiles etc.

Bath rooms Walls		
3 x 4 x 5.50 x 6.75 Floor	-	445 sii
3 x 1 x 5.50 x 5.50 <u>Deduction</u>		91 sft
3 x 1 x 2.50 x 6.75	(-)	51 sft

### BILL OF QUANTITIES

Name of work: Repart Mintenance of Hoad Cypice Building of DMC Maler-

	$\mathcal{G} = \mathcal{G}$			
[ ].	Providing and fixing iron steel grill using solid			
	I square bars of size ½" x ½" placed at 4" i/c	1		
	and frame of flat iron patti of ¾" x ¼" i/c cicle	ľ		
	shape at 1.0 apart of equivalent fitted with	1		
	iscrews are pins i/c painting three coats with			
	first coat of red oxide paint etc.	383 sft	194.16 p-sft	74363.00
2.	Providing and fixing iron collapsible gate with			·
1	chanel framing of section 3/4" x 5/16" at 4"			,   
	including divided with \%" x 1/8" flat iron patti			İ
1	placed diagonally and provided with top and	Ī		]
	bottom T- section 1" x 1 1/8" along with			
	trollers also including making arrangement and			
·	fixing in floor / ceiling or wall etc. complete.	63 sft	383.04 p-sft	24131.00
3.	Scraping rust from old rail or girders.	1810 sft	473.75% sft	8575.00
4.	Removing with caustic soda old paint from			73.00
	wood work.	2738 sft	250.25% sft	6852.00
5.	(d) Painting guard bars gate iron bars gratings			
	railings including standard braces etc. and	1		
<u> </u>	similar open work.			! !
t }	I <sup>st</sup> coat		371.80% sft	!
	Each subsequent coat		605.60% sft	
	2 x 302.80% sft	1810 sfr	977.40% sft	17691.00
(b.	(C) Painting doors and windows any type.			
	· 1ª coat		657.91% sft	3
	Each subsequent coat	İ	1043.30% sft	
4	2 x 502.15	2738 sft	1662.21% sft	45511.00
7.	14. Kerb stong	2730 311	1002.21/0.31()	75571.00
1	Providing and fixing pre cast edge block 3750			¥ (
:	PSI industrial made size 6" thick x 12" long x			
į	12" high including the cost of cartage,	: 		
!	exeavation, form work for hunching, 1450 PSI		-	
	lean concrete. 2250 PSI concrete for			,
	hunching, 1:4 cement sand mortar.	100 rft	297.01 p-rft	29701.00
8.	Extra for providing and fixing approved			
	quality rim lock adjustable over the style	1		;
5	surface.	45 nos	408.14 each	18366.00
9,	Supplying and fixing false ceiling of plaster of			10,00.00
}	Paris in panels i/c making frame work of	ļ		į
:	deodar wood i/c painting with solaria paint.	1421 sft	25293.42% sft	359419.00
•			-2-73.7-70311	

10	Providing and fixing equating type white:			:
	glazed earthen ware W.C pan with i/e the cost			
	of flushing distern with internal fitting and		Į.	
	flush pipe with bend and making requisite no		;	
				•
	holes in walls pfinth and floor for pipe	į	ĺ	
	connection and making good in cement;			
	concrete 1:2:4	:		i
	W.C pan of not less than 23" clear opening			'
	between flashing rims and 3 gallons flushing			
	tank with 4° dio C. Etrap	04 nos l	5044.60euch	20178.00
:	Providing and fixing 24" x 18" layatory basin is			
	in white glazed earthen ware complete with :			
	and 76 the cost of W.I or C.I cantilever			
	brackets 6" built into wall panted white in two	,	:	
	coats after a primary coat of red lead paint a			
	pair of 157 dia rubber plug and chrome plated	**	*	
	brass chain 1 %" dia malleable iron or C.P			
	brass taps malleable iron or brass unions and i	We a change		
	making requisite number of holes in walls (	į		
	plinth and floor for pipe connection and	į	1	
	making good in cement 1:2:4 standard	:	i	
	patterns.	04 nos	4253.70 each	17015.00
	Add extra for labour for providing and fixing			
	earthen ware pedestal white or colored glazed	;	:	
	(Foreign or equivalent).	04 nos	2533.47 each	10134.00
13	Providing and fixing that back lipped from			
	urmal basin (of not less than 17" in height) of	! }		
	white glazed earthen ware complete with and	į	: \	
	ive the cost of Legallon C Lautomatic Hushing		,	
	eistern with fittings a pot eoek C.I or W.I	1		
	brackers standard flush pipe with fitting (			
	- 1		!	
	standard waist pipe (enameled iron)!	•		
	connection complete and making requisite :	1	:	
	number of holes in walls plinth and floor for it			
	pipe connection in making good in cement		2000 70 1	2221144
	concrete 1:2:4 (standard pattern).	<u>06 nos</u>	3890.70 each	23344.00
i <del>4</del> .	E-Providing laying and jointing PVC pipes			
	with Z joints.	!	į	
	Providing laying uPVC pressure pipes of class	,	·	
	B (Equivalent make) fixing in trench i/c			
	cutting fitting and jointing with Z joints one	ŗ		
	rubber ring i/e testing with water to a head 61.	:		
	meter or 200 ft.	į		
	⇒ 3" dia	1 5711	00.00 =	12500.00
		150 rth (	90.00 p-rft	13500.00
	er er er er er er er er er er er er er e	!	(37 /10)	2 11 mm 1
	Taradia dia	50 cft	137.00 p-rft	6850,00
15	4" dia Towel rait 36" long.	50 cft		6850,00
15	4" dia  Lowel rait 36" long.  "" dia round or square (superior quality)	50 rft 04 nos	137,00 p-rft 1412,95 each	6850,00 5652.00
i S lo.	4" dia  Lowel rait 36" long.  L" dia round or square (superior quality)  Providing and fixing 24" x 18" beveled edge 1			
	4" dia  Lowel rait 36" long.  "" dia round or square (superior quality)			
	4" dia  Lowel rait 36" long.  L" dia round or square (superior quality)  Providing and fixing 24" x 18" beveled edge 1			

!	17	Supplying and fixing soap tray of made plastic [ of superior quality and design with fine			
		finishing with C.P screws etc. complete.	04 nos	169.40 each	677.00
	18,	Providing and fixing plastic flushing eistern etc.	10 nos	Open rate	00.00
	! ~!	Supplying and fixing swan type pillar cock of superior quality single C.P head.			3.0.00
		in territoria	08 nos	795.30 each	6362.00
	20.	<ul> <li>Supplying and fixing C P Muslim shower with crystal head etc. complete.</li> </ul>	04 aos	3432.00 each	13728.00
	7.3	Supplying and fixing in position C.P hibcock standard pattern.		150.00	1307 00
	3.5	o de Contra de Companyo de Com	08 nos	150.92 each	1207.00
	22.	Supplying and fixing windows printed blinds (horizontal / vertical) with plan design and of approved colour he fixing in windows with necessary accessories.	315 sii	91.11 p-sft	28700.00
	3 %	Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" depth with walls of B.B in cement sand mortar 1:3 ratio plastered 1:3 ½" thick inside of walls and 1' thick over benching and channel fixing C.I manhole cover with frame of clear opening 1 ½ x 1 ½ of 1.75 cwt embedded in plain concrete 1:2:4 and fixing 1'	313 310	97.18 p-Sit	_5/\(\text{\tiny{\tint{\text{\tiny{\tint{\tint{\tint{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tiny{\tiny{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tiny{\tint{\text{\text{\text{\tiny{\tint{\tiny{\tin\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tin}\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiin}\tiny{\tiin}\tiny{\tiin}\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny
-		<ul> <li>dia M.S steps 6" wide projecting 4" from the ' face of walls 42" C C duly painted etc.</li> </ul>	02 nos	14748.00 each	
	241	Providing laying R.C.C pipes and collars of class B and fixing in treach ise cutting fitting and jointing with maxphalt composition and cement mortar (1:1) ise testing with water to a head of 22.5 meter or 75 ft.			
;		of Gila	50 rfi	163.00 p-rft	\$150.00
	25.	Providing and fixing upve elbowiete.  3" dia	12 nos	Open rate	00.00
,		Providing and tixing upwe plain tee etc. 3" dia	12 nos	Open rate <sup>†</sup>	00.00
	27.	Providing and fixing upve Y tee etc.  3"x 4" dia	12 nes	i Open rate :	()(),()()
	28	Providing and fixing upve cross tee etc.  3" x 4" dia	06 nos	Open rate	00.00
	T 39.	Supplying and fixing ceiling 56" as approved etc.	40 nos	Open rate	00,00
	Ņΰ,	Supplying and fixing energy savers 24/25 walts as approved etc.	150 nos	Open rate	00,00
	11.	Exhaust fan medium size as approved etc.	04 nos	Open rate	00.00
		Providing and fixing electric switch sheet 10 amp switches as approved etc.		;	
		11 holes	08 nos	Open rate !	00.00

08 hoes 06 hotes	12 nos 20 nos	Open rate         00.00           Open rate         00.00
33. Providing and fixing Power p  jete.  15 Amp	lug as approved 40 nos	Open rate 00.00
24. Providing and fixing fancy approved etc.	light holders as	Open rate   00.00 Rs 779106.00

+open rate

### DETAIL OF MEASUREMENTS

1. Providing and fixing iron steel griff etc.

	Ux 31.50 x 6.0		100.16
	$4 \times 23.75 \times 6.0$		189 sft 142 sft
	1 x 0.0 x 8.67		52 sti
	V. V. V. V. (17.17)		383 stt
2.	Providing and fixing iron coffapsible door etc.		
	$t \propto 7.0 \times 9.0$	::	63 sft
š.	Scraping rust from old rail or girders etc.		
	<u>Grills</u>		
	23 x 4 x 6.0 x 4.0	.4	552 sfi
	$4 \times 4 \times 14.0 \times 8.0$	<del></del>	112 sh
	$1 \times 8.0 \times 8.0$	***	64 sh
	1 (100-24.0) 2.0	2	248 sti
	<u>Door grills</u>		
	$2 \times 1 \times 4.0 \times 7.0$	e!	56 sft
	Wind, grill		
	$6 \times 1 \times 4.0 \times 4.0$	£	96 sfi
	Şizel galez		
	1 x 2 x 16.0 x 11.0	₹.g	352 sti
	1 x 2 x 6.0 x 8.0	a⊒ <del>.</del>	96 sft
	$1 \times 2 \times 12.0 \times 8.0$	프	192 sfi
	$1 \times 2 \times 3.0 \times 7.0$	<del>* 4</del>	<u>42 sti</u>
			1810 sft
4.	Removing old paint from wood work etc.		
	Doors		
	24 x 2 x 4.0 x 7 d	5	1344 sh
	$14 \times 2 \times 3.50 \times 7.0$	***	686 sti
	$4 \times 2 \times 4.50 \times 6.75$	<del>4.</del> .	61 sti
	4 x 2 x 3.50 x 6.75	4.6	139 sft
	$3 \times 2 \times 3.0 \times 6.75$		121 sft
	$10 \times 2 \times 2.50 \times 6.75$	<i>5</i>	_ <u>337.sft</u>
		2738	sft
5.	Painting guards bars iron work etc.		
	Qty, same as item no 23.	F	1810 sft
			i.

			I
	16. P/L 24" x 18" beveled edge mirror etc.		
	04 nos		04 nos
	1.5 Supplying and fixing soap tray etc.		
	04 nos		04 nos
	18 Providing and fixing plastic flushing cistem etc.		
	10 nos	73	10 nos
	19. Providing and fixing swan type pillar cock etc.		
	08 nos	ā.	08 nos
	20. Supplying and fixing Muslim shower etc.		
	0-1 nos	Ξ	04 pos
	21. Providing and fixing C.P bibcock etc. © 21 rd on 22. Supplying and fixing windows printed blinds etc.	eng.	ad Wwg.
	$9 \times 7.0 \times 5.0$	<u> 1</u>	315 sft
	23. Constructing of man hole etc.		
	U. nos	FI	02 nos
	24. Providing and Jaying R.C.C pipe etc. 6" dia		
	1 x 50.0	÷.	50 <b>r</b> ft
	25. Providing and fixing upve elbow etc. 3" dia		
	12 nos	****	12 nos
	26. Providing and fixing upve plain fee etc. 5" dia		
	12 nos	÷	12 nos
	27. Providing and fixing upve Y toe etc. $3\% \times 4\%$ dia		
,	12 nos	ar.	12 nos

28. Providing and fixing upve cross tee etc. 3" x 4" dia		
06 nos	==	06 nos
29. Supplying and fixing approved ceiling fans 56" etc.		
To. Subhistuft and tixtuft ablacores count tons to con-		40 nos
40 nos	: =	40 1105
30 Supplying and fixing 24/25 watts approved energy savers etc.		
(50 mos		150 nos
31. Supplying and fixing Exhaust fan medium as approved etc.		
04 nos	1.5	04 nos
32. Providing and fixing electric switch sheet etc		
<u>11 hales</u> 08 nos	<u>ಬ್</u>	98 nos
<u>98 holes</u>	2	12 nos
12 nos Qu'hyles		
20 005		20 aos
33. Providing and fixing power plug 15 Amp as approved etc.		
40 nos	51	40 nos
34. Providing and fixing fancy holders as approved etc.		
70 nos	팓	70 nos

	PILL C'F GU	ANTITIES		
Name of work:	- Trovaing and Ligar	mg 2002 1	of DAIC MA	1 311
1 ½" and	ding and fixing wood paneling i/c deodar x 2" wood frame, '4" thick chipboard Formica paste with approved glue lete with all respect as approved.	2809 sft	Open rate	00.00

Open rate | 00.00 | Rs Open rate

### DETAIL OF MEASUREMENTS

### 1. Providing and fixing wood paneling etc.

Coancil hall		
2 x 37.0 x 8.0	_	-00 °
2 x 20.25 x 8.0	=	592 sft
Columns offset	===	324 sft
$2 \times 2 \times 1.25 \times 8.0$	=	406
Door offset	_	40 sft
$2 \times 2 \times 0.17 \times 6.75$	42	05 sft
1 x 2 x 0.17 x 7.0	==	02 sft
Deduction		
Door		
$1 \times 3.0 \times 6.75$		
1 x4.50 x 6.75	(-)	20 sft
$\pm x \ 3.50 \ x \ 7.0$	(-)	30 sft
	(-)	24 stř
Wind,		
3 x 2 x 6.0 x 4.0	(-)	144 sft
Room 1.		
$2 \times 16.0 \times 8.0$		
2 x 14.0 x 8.0	1.22 	256 sft
<u>Offsets</u>	%u	224 sft
$1 \times 2 \times 0.17 \times 7.0$		
3 x 2 x 0.17 x 6.75	<del>'''</del>	02 sft
2 x 2 x 0.17 x 6.0+5.75	=	07 sft
2		04 sfi
$2 \times 2 \times 0.17 \times 4.0$	=	03 sft
Deduction		
Doors		
2 x 3.50 x 6.75		
1 x 3.0 x 7.0	(-)	47 sft
1 x 2.50 x 6.75	(-)	21 sft
Wind,	(~)	17 sfi
$1 \times 6.0 \times 4.0$	( )	2.4.45
1 x 5.75 x 4.0	(-) (-)	24 sft
D. a	\")	23 sft
Room 2.		
2 x 12.0 x 8.0	<del>_</del>	192 sft
2 x 8.0 x 8.0 <u>Offs</u> ets	_ <del>_</del>	128 slt
$\frac{821848}{2 \times 2 \times 0.17 \times 6.75}$		•
2 x 0.17 x 4.0	4.4	05 sft
1 x 2 x 4.0 x 0.17	een:	01 sft
	=	01 sft

	Deduction		
	<u>Doors</u>		21.6
	1 x 3.50 x 6.75	(-)	24 sft
	$1 \times 3.0 \times 6.75$	(-)	20 sft
	Wind,		17.13
	$1 \times 4.0 \times 4.0$	(-)	16 sft
	Room no 3.		221 15
	$2 \times 14.0 \times 8.0$	m nor	224 sft
	$2 \times 12.0 \times 8.0$	=	192 sft
	<u>Offsets</u>		
	$2 \times 2 \times 0.17 \times 6.75$	=	05 sft
	$2 \times 2 \times 0.17 \times 4.0$	=	03 sft
	$2 \times 1 \times 0.17 \times 5.75$	<u></u> .	02 sft
	$2 \times 4 \times 0.17 \times 1.0$	<del></del>	01 sft
	Deduction		
	Door		
	1 x 3.50 x 6.75	(-)	24 sft
	1 x 2.50 x 6.75	(-)	17 sti
	4 X 2150 X 0.75	( )	
	Wind,		2.3 ()
	1 x 5.75 x 4.0	(-)	23 sft
	4 x 4.0 x 4.0	(-)	16 sft
	Room no 4.		
	$2 \times 14.0 \times 8.0$	<del>=</del>	224 sft
	2 x 12.0 x 8.0	=	192 sft
	<u>Offsets</u>		
	$2 \times 2 \times 0.17 \times 6.75$	=	05 sft
•	$2 \times 2 \times 0.17 \times 4.0$	=	03 sft
	$2 \times 1 \times 0.17 \times 5.75$	72.	02 sft
	$2 \times 4 \times 0.17 \times 1.0$	=	01 sti
	Daduotian		
	<u>Deduction</u>		
	<u>Door</u> 1 x3.50 x 6.75	(-)	24 sft
		(-)	17 sn
	Lx 2.50 x 6.75	,	
	Wind.	(-)	23 sf)
	1 x 5.75 x 4.0	(-)	16 sft
	1 x 4.0 x 4.0	(-)	10 310
	Room no 5.		22.4
	$2 \times 14.0 \times 8.0$	TE	224 sft
	$2 \times 12.0 \times 8.0$	<u></u>	192 sft
	<u>Offsets</u>		00
	2 x 0.17 x 6.75	<u>==</u>	02 sft
	$1 \times 0.17 \times 4.75$	≕	Olsit

Deduction		
Door		
1 x 4.75 x 6.75	(-)	32 sti
Room no 5.		
$2 \times 14.0 \times 8.0$	±:	224 sft
$2 \times 12.0 \times 8.0$	<u>:-</u>	192 sft
<u>Offsets</u>		
$3 \times 2 \times 0.17 \times 6.75$	半	07 sft
Deduction		
1 x 4.75 x 6.75	(-)	32 sft
1 x 3.25 x 6.75	(-)	22 sti
1 x 2.50 x 6.75	(-)	<u>17 sft</u>
		2809 sft