



**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF EXECUTIVE ENGINEER, AJMER,
CPWD AJMER (RAJASTHAN)**

NIT No. 23/EE-Ajmer/CPWD/2026-27

**NAME OF WORK : Roof Treatment for Residential
Quarters(T-II,III,IV) of Narcotics
Colony at Kota. (Raj.)**

ESTIMATED COST : Rs. 28,66,193/-

EARNEST MONEY : Rs. 57,324/-

TIME ALLOWED : 03 (Three) Months

DATE OF OPENING : Upto 17.30 Hrs. on 28/08/2026

C.P.W.D.

Assistant Engineer (P),
CPWD, Ajmer

Executive Engineer, Ajmer
CPWD, Ajmer

I N D E X

Name of Work: **Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)**

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NIT approved for **Rs 28,66,193/- (Rupees Twenty Eight Lacs Sixty Six Thousand One Hundred Ninety Three Only)** and containing page **1 to 59**.

Assistant Engineer(P)
CPWD, Ajmer

Executive Engineer, Ajmer
CPWD, Ajmer

PRESS NOTICE
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING E-TENDER

The Executive Engineer, **Ajmer, CPWD, Ajmer** on behalf of the President of India invites online Percentage Rate Bids from Approved and eligible contractors of CPWD in appropriate class in single bid system for the following work :

N.I.T. No.	:	23/EE-Ajmer/CPWD/2026-27
Name of Work	:	Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)
Estimated Cost	:	Rs. 28,66,193/-
Earnest Money	:	Rs. 57,324/-
Period of completion	:	03 (Three) Months
Last time & date of submission of bid:	:	upto 17.00 Hrs. on 28/08/2026
Tender shall be opened	:	28/08/2026 after 17.30 Hrs.

The tender forms and other details can be obtained from the website www.etender.cpwd.gov.in.

Note :- Matter below not to be published.

Executive Engineer, Ajmer
CPWD, Ajmer

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING
FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

The Executive Engineer, **Ajmer, CPWD, Ajmer** on behalf of the President of India invites online Percentage Rate Bids from Approved and eligible contractors of CPWD in appropriate class in single bid system for the following work:

S. No.	NIT No	Name of work & Location	Estimated cost put to tender	Earnest Money	Period of completion	Last date & time of submission of bid, original EMD, copy of receipt for deposition of original EMD and other documents as specified in the press notice	Time & date of opening of tender
1	2	3	4	5	6	7	8
1	23/EE-Ajmer/CPWD/2026-27	Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)	Rs. 28,66,193/-	Rs. 57,324/-	03 (Three) Months	Upto 17.00 Hrs. on 28/08/2026	After 17.30 Hrs. on 28/08/2026

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.etender.cpwd.gov.in or www.cpwd.gov.in free of cost.
4. The bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt and Bank Guarantee of any Scheduled Bank towards EMD in favour of **Executive Engineer, Ajmer Central Division, CPWD, Ajmer**, receipt of deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.

List of Documents to be scanned and uploaded within the period of bid submission :

- I. Treasury Challan / Demand Draft / Pay order or Banker's Cheque / Deposit at Call Receipt /FDR/Bank Guarantee of any Scheduled Bank against EMD.
- II. Copy of receipt for deposited of original EMD issued from division office of any Executive Engineer, CPWD (The EMD document shall only be issued from the place in which the office of receiving division office is situated).
- III. Enlistment order of the CPWD contractors in appropriate class.
- IV. **Scan copy of EPF** registration certificate.
- V. **Scan copy of ESIC** registration certificate.
- VI. **GST Registration Certificate** of the state in which the work is to be taken up, if already obtained by the bidder.

"If the bidder has not obtained GST Registration in the State in which the work is to be taken up or as required by GST authorities, then in such a case the bidder shall scan and upload following undertaking with other bid document –

"If work is awarded to me, I/We shall obtain GST Registration Certificate of the State, in which work is to be taken up, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard."

- VII. **The intending bidders must have to upload the necessary certificate of ERP (Enterprises Resource Planning) training issued through LMS (Learning Management System) of ERP.**
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class-III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will received the competitor bid sheets.
8. The contractor can upload documents in the form of JPG format and PDF format.
9. Contractors must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on

the total amount of the tender or any section / sub-head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

10. The contractor shall get receipt of deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD in the prescribed format annexed as **Annexure-III** and also upload it alongwith the bid document.
11. The tenderer should also read the General Conditions of Contract for CPWD Works 2023 amended upto **21/08/2026 (available on CPWD above websites)**, which is available as Govt. of India Publications.
12. Tenders with any condition including that of conditional rebates in the tender document shall be rejected forthwith.
13. The contractor shall have to execute guarantee bonds in respect of water supply and sanitary installation works and water proofing works as per Performa at Annexure- **VI & VII**.
14. **GST** or any other tax applicable in respect of **inputs procured by the contractor** for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, **component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.**
15. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/ taking up of works in CPWD. The Department reserves the right to verify the particulars furnished by the applicant independently.
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. **Stamp duty tax applicable as per Govt. of Rajasthan, की अधिसूचना—राजस्थान सरकार, कार्यालय उप पंजीयक, अजमेर—प्रथम के आदेश संख्या 06 दिनांक 01.01.2024 under GCC Clause 34.**

Executive Engineer, Ajmer
CPWD, Ajmer

CPWD-6 FOR e-TENDERING
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING TENDER

1. Percentage rate tenders are invited on behalf of President of India from approved and eligible contractors of CPWD in appropriate class in single bid system for the following work of “**Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)**”

The enlistment of the contractors should be valid on the last date of submission of tenders.

In case only the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

- 1.1 The work is estimated to cost **Rs. 28,66,193/-**.
2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7 which is available as a Govt. of India Publication and also available on website **www.cpwd.gov.in**. Tenderers shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **03 (Three) Months** from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. (i) The site for the work is available.
(ii) The architectural and structural drawing shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work.
5. Tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents except Standard General Conditions of Contract Form can be seen from website **www.etender.cpwd.gov.in** or **www.cpwd.gov.in** free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.

8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid, if not submitted then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of Executive Engineer, **Ajmer Central Division, CPWD, Ajmer**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or Division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

The receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lac, whichever is less, will have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

- 9A. The contractors registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.
10. The bid submitted shall become invalid if :
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD.
 - (iii) The bidder does not upload all the documents (including **GST Registration**) as stipulated in the bid document **including the copy of receipt for deposition of original EMD.**
 - (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.

- (v) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. **The contractor whose bid is accepted will be required to furnish performance guarantee (a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher) and (b) Where the Tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT) the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount as mentioned in schedule E and within the period specified in Schedule F.** This performance guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipt or Guarantee Bonds of any Scheduled bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with tender shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board **including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work** and Programme Chart (Time and Progress) within the period specified in Schedule F. Copies of other drawing and documents pertaining to the works will be open for inspection by the tenderers at the office of above mentioned officer.
12. The description of the work is as follows:
Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)
 .
- Intending tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his

own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to tender for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. The tender for the works shall remain open for acceptance for a period of **Thirty (30)** days from the due date of its opening of bid. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the

Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re-tendering process of the work.

19. This notice inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
- a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7 (GCC for CPWD works 2023 **Maintenance Works**) amendments upto **21/08/2026**.

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage Rate Tender & Contract for Works**

- (A) Tender for the work of: :- **Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)**
- (i) To be submitted by **17.00 Hrs. on 28/08/2026** to **Executive Engineer, CPWD, Ajmer.**
- (ii) To be opened in presence of tenderers who may be present at **17.30 Hrs. on 28/08/2026** in the office of **Executive Engineer, CPWD, Ajmer.**

T E N D E R

I/We have read and examined the notice inviting tender, schedule, A,B,C,D, E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule "F", viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for **Thirty (30)** days from the due date of its opening bid and not to make any modifications in its terms and conditions.

A sum of Rs. **57,324/-** is hereby forwarded in cash/receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rate to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of ~~Earnest Money Deposit~~/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/we am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated :(yyy)(yyy)
Signature of Contractor
Postal Address
Witness:(yyy)
Address :(yyy)
Occupation :(yyy)

A C C E P T A N C E

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. _____ (Rupees _____)

The letters referred to below shall form part of this contract Agreement:-

- a)
- b)
- c)

For & on behalf of the President of India
Signature _____
Designation _____

Dated

(yyy) : to be filled in by Contractor

PROFORMA OF SCHEDULES**SCHEDULE 'A'**

Schedule of quantities

Schedule attached at **Page No. 56 to 58****SCHEDULE 'B' :**

Schedule of materials to be issued to the contractor

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
	NIL			

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S.No.	Description	Hire charges per day	Place of Issue
	NIL		

SCHEDULE 'D'

Extra schedule for specific requirement/documents for the work, if any

----- NIL -----

SCHEDULE 'E' :

- Reference to General Conditions of contract: **General Conditions of contract for Central PWD Maintenance Works 2023 incorporating all amendments issued upto 21/08/2026.**
- Name of work: :- **Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.).**
 - The work is estimated to cost : **Rs. 28,66,193/-**
 - Earnest Money : **Rs. 57,324/-** (to be returned after receiving performance guarantee)

- (iii) Performance Guarantee : (a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the Tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT) the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
- (iv) Security Deposit : 2.50% (Two & Half percent) of accepted tendered value

SCHEDULE 'F'

General Rules & Directions

- (i) Officer inviting tender : Executive Engineer, Ajmer
CPWD, Ajmer
- (ii) Maximum percentage for quantity of items of work to be executed beyond which rates are to determined in accordance with Clauses 12.2 & 12.3 : See below under clause 12

Definitions :

- 2(v) Engineer-in-charge : Executive Engineer, Ajmer
CPWD, Ajmer
- 2(viii) Accepting Authority : Executive Engineer, Ajmer
CPWD, Ajmer
- 2(x) Percentage on cost of materials and labour to cover all overhead and profits : 15%
- 2(xi) Standard schedule of Rates : DSR-2023 with upto date correction slips **issued upto 21/08/2026**
- 2(xii) Department : Central Public Works Department
- 2(xiii) Standard CPWD Contract Form : GCC for CPWD **Construction Work 2023**
CPWD Form 7 as modified and corrected upto **21/08/2026**

CLAUSE 1

- (i) Time allowed for submission of
Performance Guarantee, **Programme
Chart (Time and Progress) and
Applicable labour licenses, Registration
with BOCW Welfare
Board including Provident Fund Code
No. or proof of applying thereof**
from date of issue of letter of
acceptance.

07 Days

- (ii) Maximum allowable extension
**with late fee @0.1% per day of
performance guarantee amount**
beyond the period as provided
in (i) above .

03 Days

CLAUSE 2

Authority for fixing
compensation under clause 2

Chief Engineer, Jaipur

CLAUSE 2 A

Whether Clause 2 (A) shall be
applicable

No

CLAUSE 5

Number of days from the date of issue of
letter of acceptance for reckoning date of
start

10 days

Schedule of handing over of site

Part	Portion of Site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	Full site	At the Award of Work
Part B	Portions with Encumbrances	Nil	
Part C	Portions dependent on work of other agencies	Nil	

Mile stone(s) as per table given below:-

Name of Work : Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.).

S. No.	Description of mile stone	Period for completion from date of start in days/months.	Withheld amount for non-achievement of mile stone.
1	1/8 th of the whole work in financial terms	23 days	1.25% of accepted tendered amount.
2	3/8 th of the whole work in financial terms	45 days	1.25% of accepted tendered amount.
3	3/4 th of the whole work in financial terms	68 days	1.25% of accepted tendered amount.
4	Completion of entire work as per agreement including cleaning of site all complete in all respect.	90 days	1.25% of accepted tendered amount.

Time allowed for execution of work

03 (Three) Months

Authority to decide:

(i) Extension of time

Executive Engineer, Ajmer
CPWD, Ajmer

(ii) Rescheduling of mile stones

Chief Engineer, Jaipur
CPWD

(iii) Shifting of date of start in case of delay in handing over of site

Chief Engineer, Jaipur
CPWD

Clause 5.2

Nature of Hindrance Register:

Online through ERP Portal as per OM
Number 146 of 2023 VIDE NO. DDG(ERP)/
01/2023-24/225 DATED 15.05.2023

Clause 5.4

Schedule of rate of recovery for delay in submission of the programme/modified programme in terms of delay days Rs. 500 per day

CLAUSE 6 / 6A

Electronic Measurement Book (EMB) through CPWD ERP portal

Yes, Applicable.

CLAUSE 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment

Rs. 09.55 Lacs

CLAUSE 7A

Whether Clause 7A shall be Applicable

Yes

(No Running Account Bill shall be paid for the work till the applicable labour licences, registration with BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-charge.)

Clause 8B

The limit shall be Rs 2000 per day of delay.

CLAUSE 10A :

List of testing equipment to be provided by the contractor at site lab.

Civil :-

All necessary equipment for conducting all necessary tests shall be provided at the site in the well furnished site laboratory by the contractor at his own cost with proper light and ventilation. The following minimum laboratory equipments shall be set up at site office laboratory:-

S. No.	Equipment	Numbers (Minimum)
1.	Slump cone, steel plate, tamping rod, steel scale, scoop	1
2.	Weighing scale platform type 100 Kg capacity	1
3.	Graduated glass measuring cylinder	As per requirement (Min 3 nos)
4.	Sets of sieves of 450mm internal dia for coarse aggregate [100mm, 80mm, 40mm; 20mm; 12.5mm, 10mm; 4.75mm complete with lid and pan]	1

5.	Sets of sieves of 200mm internal dia for fine aggregate [4.75mm; 2.36mm; 1.18mm; 600 microns; 300 microns & 150 micron , with lid and pan]	1
6.	Motorized sieve shaker	1
7.	Cube moulds size 150mmx150mmx150mm	As per requirement (Min. 12 Nos)
8	Cube Compression testing machine ((Digital) (Min 100kg capacity)	1
9.	Hot air oven temp. Range 50°C to 300°C- sensitivity 1 degree	1
10.	Electronic balance 600gx0.1g., 10kg and 50 kg	1 each
11.	Physical balance weight up to 5 kg	1
12.	Measuring jars 100ml, 200ml, 500ml	As required (Min 1 each)
13.	Gauging trowels 100mm & 200mm with wooden Handle	As required (Min 2 nos)
14.	Spatula 100mm & 200mm with long blade wooden Handle	As required (Min 4 nos)
15.	Vernier calipers 12” & 6” size	1 each
16.	Digital paint thickness meter for steel 500 micron Range	Nil
17.	GI /MS tray 600x450x50mm, 450x300x40mm,300x250x40mm	1 No each
18.	Screw gauge 0.1mm-10mm, least count 0.05	1
19.	Wash Bottles capacity 500 ml	As required
20.	Hacksaw with 6 blades	1
21.	Measuring tape 2 mtr	1
22.	Shovels & Spade	2
23.	Plastic or G.I. Buckets 15 ltr, 10 ltr, 5 ltr	1 each
24.	Wheel Barrow	1
25.	Floor Brushes, hair dusters, scrappers, wire brush, paint brushes, shutter steel plat oil, kerosene with stove etc.	1 each
26.	Any other equipment for site tests as outlined in BIS codes and as directed by the Engineer-in-charge.	
27.	Computer with Laser Printer	1 set
28.	Field Testing of water	1 set

CLAUSE 10B (ii)

Whether clause 10-B(ii) shall
be applicable

No

CLAUSE 10C-

Not Applicable

CLAUSE 10 (CC)

Not Applicable

CLAUSE 11

Specification to be followed for execution of work

CPWD Specification 2019 (Vol. I & II) with correction slips upto Last date of receipt of tender

CLAUSE 12

Type of work

Maintenance Works

12.2 & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work

12.5 (i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for

foundation work (except items mentioned in earth work subhead in DSR and related items)

(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items

No Limit

No Limit

No Limit

All the deviated quantities shall be paid at agreement rates.

CLAUSE 16

Competent Authority for deciding reduced rates

Chief Engineer, Jaipur, CPWD

CLAUSE 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:
As per the table under clause 10A

Clause 25 : OM No. DG/CON/317 dated 28.06.2021 is applicable :-

(i)	Conciliator	-	SDG-Chandigarh
(ii)	Arbitrator Appointing Authority	-	CE-Jaipur
(iii)	SE (Jodhpur)	-	Member

Place of Arbitration :

Ajmer/ Jaipur / ONLINE MEDIUM

CLAUSE 36 (i)**"Requirement of Technical Representative (s) and Recovery Rate"**

S. No.	Minimum Qualification of Technical Representatives	Discipline	Designation (Principal Technical / Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i) per month	
1.	Graduate Engineer / Diploma Engineer	(Civil)	Project Manager cum Planning / Quality / Site Billing Engineer	2 years OR 5 years	1	Rs. 20,000	Rs. Twenty thousand only.

"Assistant Engineer retired from Government Services who are holding Diploma will be treated at par with Graduate Engineer".

Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

CLAUSE 42

- (i) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates DSR-2023 with correction slips upto 21/08/2026
- Variations permissible on theoretical quantities
- (a) (i) Cement for works estimated cost put to tender not more than Rs. 5 Lakhs 3 % plus/minus
- (ii) For works with estimated cost put to tender more than Rs. 5 Lakhs 2 % plus/minus
- (b) Bitumen for all works 2.5% plus only & nil on minus side
- (c) Steel reinforcement and structural steel section for each diameter, section and category 2% plus/minus
- (d) All other materials Nil

RECOVERY RATES FOR QUANTITY BEYOND PERMISSIBLE VARIATION

S.No.	Description of item	Rate in figures and words at which recovery shall be made from the contractor	
		Excess beyond the permissible variation	Less use beyond permissible variation
1.	Cement (PPC)	Nil	110% of base price
2.	Cement (OPC)	Nil	considered for the
3.	Reinforcement Bars TMT-500D		operation of clause
(i)	Primary Manufacturer	Nil	10 CA
(ii)	Secondary Manufacturer	Nil	
4.	Structural Steel	Nil	

ADDITIONAL CONDITIONS & SPECIFICATIONS**1.0 General Conditions**

- 1.1 The work in general shall be carried out in accordance with the CPWD Specifications 2019 Vol. I to II (corrected up to **21/08/2026**) hereinafter referred as CPWD Specifications.
- 1.2 **Order of Preference:** In case of any difference or discrepancy between the description of items as given in the schedule of quantities, specifications for individual items of work, contract conditions and/or I.S. Codes etc., the following **order of preference** shall be observed :
- (i) Description of items as given in Schedule of quantities
 - (ii) Particular specifications, if any, for the item in agreement
 - (iii) Special conditions, if any, in agreement
 - (iv) Additional conditions, if any, in the agreement
 - (v) Tender drawings attached/ issued during execution
 - (vi) CPWD Specifications including correction slips up to **21/08/2026**
 - (vii) General Conditions of Contract 2023 for CPWD works with correction slips up to **21/08/2026**
 - (viii) Indian Standards Specifications of B.I.S.
 - (ix) ASTM, BS or other foreign origin code mentioned in agreement.
 - (x) Manufacturer's specifications for the item, as decided by Engineer-in-charge.
 - (xi) Sound Engineering practices or well established local construction practices.
- 1.2A The water shall be arranged by contractor. In case, contractor takes water from government source free of cost then recovery of water charges shall be made as per relevant Clauses.
- 1.3 Agency(s) shall provide permanent bench marks, flag tops and other reference points for the proper execution of work and these shall be preserved till the end of the work. All such reference points shall be in relation to the levels and locations, given in the Good for Construction drawings.
- 1.4 The agency shall give performance test of the water supply, sanitary, sewer and electrical installation(s) as per the specifications in the presence of the Engineer-in-charge or his authorized representative before the work is finally accepted and nothing extra what-so-ever shall be payable to the agency for the test.
- 1.5 The work shall be carried out in accordance with the Good for Construction Architectural, Civil and Electrical drawings issued by the Engineer-in-Charge.
- 1.6 Before commencement of any item of work the agency shall correlate all the relevant architectural, civil and electrical drawings, BOQ items and specifications etc. and satisfy itself that the information available is complete and unambiguous. The agency alone shall

- be responsible for any loss or damage occurring by the commencement and execution of work based on any erroneous and or incomplete information and no claim whatsoever shall be entertained on this account.
- 1.8 The work of services will be executed simultaneously. The agency shall minimize the scope of making recesses, holes, opening etc. as the same shall be planned in advance and necessary grooves/niches shall be provided in shuttering of RCC.
- 1.9 The agency shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other agency(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed, so as not to interfere with the operations of other agency simultaneously working or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
- 1.10 If the work is carried out in more than one shift or during night, no claim on this account shall be entertained. The agency must take permission from the police or other competent authorities etc. if required for work during night hours, no claim / hindrance on this account shall be considered if work is not allowed during night time.
- 1.11 The Agency shall be responsible for the watch and ward / guard of the buildings safety, fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
- 1.12 Sample of building materials, fittings and other articles required for execution of work shall be got approved from the Engineer-in-Charge before use in the work. The quality of samples brought by the agency shall be judged by standards laid down in the relevant CPWD/ BIS specifications. In case, samples provided by agency are not approved, agency shall submit new samples of the materials and other articles for approval of Engineer-in-charge. Decision of Engineer-in-charge w.r.t. approval of samples of materials shall be final and binding on the contractor. All materials and articles brought by the agency to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work.
- 1.13 BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the Engineer-in-Charge besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the agency shall, if required, by the Engineer-in-Charge, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material procured by the agency for incorporation in the work satisfies the provisions of contract agreement, specifications / BIS codes relevant to the material and / or the work done.

- 1.14 The agency shall procure the required materials in advance so that there is sufficient time to testing of the materials and clearance of the same before use in the work. The agency shall provide at his own cost suitable weighing and measuring arrangements at site for checking the weight / dimensions as may be necessary for execution of work.
- 1.15 **Testing Charges to be borne by Contractor** : All expenditure to be incurred for testing of samples e.g. packaging, Sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor. The testing of materials shall be conducted in Govt. Laboratory/Govt. Colleges/IITs/NITs or from the laboratory approved by Engineer-in-charge. (As per issued by authority of Director General, CPWD no. DG/MAN/410 dated 22.10.2021) .
- 1.16 Agency shall submit minimum “Quality Assurance” plan within 45 days after award of work which shall be consisting of:
- 1.16.1 Lot size, number of required tests and frequency of testing. While deciding these criteria CPWD Specifications & Provisions of BIS Code and Standard Practices may be referred. Volume of work, Practical Difficulties and Site Conditions etc. may also be kept in view. The lot size, number of tests and frequencies of testing can be altered or modified by the Engineer-in-charge from the prescribed limits.
 - 1.16.2 It should clearly indicate the Machinery and other Tool & Plants required to be deployed at site by the agency. Entire Machinery and T&P may not be required at the start of work, therefore, a proper time schedule by which each Machinery & T&P is to be brought at site should also be indicated.
 - 1.16.3 Receipt of Material, testing of the same & Maintenance of Register of Tests.
 - 1.16.4 All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the agency, which may be inspected by Engineer-in-charge or his/her representative.
 - 1.16.5 All the test in field lab setup at construction site shall be carried out by the Quality control team/engineer to be engaged by the agency which can be witnessed by Engineer-in-charge or his/her representative. A daily intimation of tests to be conducted on a day shall be given to Engineer-in-charge or his/her representative.
 - 1.16.6 All the entries in the registers will be made by the designated Engineering Staff of the Agency.
 - 1.16.7 Agency shall be responsible for safe custody of all the test registers.
 - 1.16.8 Submission of original/copy of all test registers, material at site register and hindrance register along with each alternate Running Account Bill and with the Final Bill shall be mandatory.
 - 1.16.9 All material received at site shall be entered in MAS Register and copy of Supply order, MTC & Bill-invoice shall be maintained in order. The MAS Registers including Cement and Steel Registers shall be maintained by a qualified staff of Agency which may be inspected by Engineer-in-charge or his/her representative at any time. The intimation of receipt of material shall be

sent to Engineer-in-charge or his/her representative on day to day basis for his approval.

1.17 Pour card, check-list for Execution of work

- 1.17.1 As and when any important item is taken up for execution, the Agency shall develop and submit a checklist and/or pour card. This sample checklist should be got approved from the Engineer-in-charge and should be used at site. This check list should be shown to the Engineer-in-charge or his/her designee during inspection. This procedure is to be followed for all hidden items, CC/RCC work, Steel-reinforcement, shuttering, cast-in-situ mosaic flooring, doors & windows, plumbing, including water supply pipe lines, roof treatment, earth filling etc.
- 1.17.2 The agency shall maintain documentation of the total sequence of this project by way of photography, audio-video recording etc. and submit to Engineer-in-charge for record. Nothing extra shall be payable to the agency on this account.

1.18 Other Conditions for Civil Work

- 1.18.1.1 The bidder shall acquaint himself with the proposed site of work, its approach roads, working space available before quoting his rates.
- 1.18.1.2 No Entry/exit/roads other than specified by the **Engineer-in-charge** for purpose of construction activities will be allowed to be used for construction activity purposes or movement of trucks/lorries/load-carriers and nothing extra/ delay whatsoever will be accounted for on this part.
- 1.18.1.3 The agency shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution of smoke, streams and water-ways. He shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused thereon by the agency. All waste or superfluous materials shall be removed by the agency without any reservation entirely to the satisfaction of the Engineer-in-Charge.
- 1.18.1.4 In the event of any restrictions being imposed by the Security agency, CPWD, Traffic or any other authority having jurisdiction in the area on the working or movement of labour /material, the agency shall strictly follow such restrictions and nothing extra shall be payable to the agency on this account:-
- 1.18.1.5 Agency shall have to engage well experienced skilled labour to execute the work.
- 1.18.1.6 No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The agency shall be fully responsible for any damage to the work for which the payment has been advanced to him under the contract and he shall make good the same at his risk and cost. The agency shall be fully responsible for safety and security of his material, T&P, Machinery brought to the site by him.

- 1.18.1.7 The agency shall ensure that no construction leachate (e.g. cement slurry etc.), is allowed to percolate into the ground. Adequate precautions are to be taken to safeguard against this including, reduction of wasteful curing processes, collection, basic filtering and reuse. The agency shall follow requisite measures for collecting drainage water run-off from construction areas and material storage sites and diverting water flow away from such polluted areas. Temporary drainage channels, perimeter dike/swale, etc. shall be constructed to carry the pollutant-laden water directly to the treatment device or facility (municipal sewer line).
- 1.18.1.8 The agency shall comply with the safety procedures, norms and guidelines (as applicable) as outlined in the “Constructional practices and safety- 2005”, National Building code of India, Bureau of Indian Standards. A copy of all pertinent regulations and notices concerning accidents, injury and first-aid shall be prominently exhibited at the work site. Depending upon the scope & nature of work, a person qualified in first-aid shall be available at work site to render and direct first-aid to casualties. A telephone may be provided to first-aid assistant with telephone numbers of the hospitals displayed. Complete reports of all accidents and action taken thereon shall be forwarded to the competent authorities.
- 1.18.2 The agency shall ensure the following activities for construction workers safety, among other measures:
- 1.18.2.2.1 Guarding all parts of dangerous machinery.
 - 1.18.2.2.2 Precautionary signs for working on machinery
 - 1.18.2.2.3 Maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition.
 - 1.18.2.2.4 Durable and reusable formwork systems to replace timber formwork and ensure that formwork where used is properly maintained.
 - 1.18.2.2.5 Ensuring that walking surfaces or boards at height are of sound construction and are provided with safety rails or belts.
 - 1.18.2.2.6 Provide protective equipment; helmets etc.
 - 1.18.2.2.7 Provide measures to prevent fires. Fire extinguishers and buckets of sand to be provided in the fire-prone area and elsewhere.
 - 1.18.2.2.8 Provide sufficient and suitable light for working during night time.
- 1.18.3 The agency shall provide for adequate number of garbage bins around the construction site and the workers facilities and will be responsible for the proper utilization of these bins for any solid waste generated during the construction. The agency shall ensure that the site and the workers facilities are kept litter free.

Separate bins should be provided for wet and dry waste and labeled in both Hindi and English with suitable symbols.

- 1.18.4 Agency should spray curing water on concrete structure and shall not allow free flow of water. Concrete structures should be kept covered with thick cloth/gunny bags and water should be sprayed on them. Agency shall do water ponding on all sunken slabs using cement and sand mortar. Use of curing compound as per approval of engineer-in-charge in areas where wet water curing not feasible shall be permissible and nothing extra shall be paid for the same.
- 1.18.5 The Agency shall remove from site all rubbish and debris generated by the Works and keep Works clean and tidy throughout the Contract Period. All the serviceable and non-serviceable (malba) material shall be segregated and stored separately. Malba, rubbish & other waste materials shall be disposed of as directed by Engineer in Charge for which payment shall be made as per Contract BOQ and decision of Engineer-in-charge.

1.19 Conditions of National Green Tribunal

- 1.19.1 The agency shall not store/ dump construction material or debris on the metalled road.
- 1.19.2 The agency shall get prior approval from Engineer-in-Charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic /inconvenience to the pedestrians. It should be ensured by the agency that no accidents occur on account of such permissible storage.
- 1.19.3 The agency shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and/or other similar material to ensure that no construction material dust fly outside the plot area.
- 1.19.4 The agency shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like material like cement, sand and other allied material are fully covered. The agency shall take every necessary precaution that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.
- 1.19.5 The agency shall provide mask to every working on the construction site and involving in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
- 1.19.6 The agency shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
- 1.19.7 The agency shall compulsory use of wet jet in grinding and stone cutting.

- 1.19.8 The agency shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2010.
- 1.19.9 The agency shall carry out on- Road-Inspection for black smoke generating machinery. The agency shall use cleaner fuel.
- 1.19.10 The agency shall ensure that all DG set comply emission norms notified by MoEF.
- 1.19.11 The agency shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 Kmph. Speed bumps shall be used to ensure speed reduction. In case where speed reduction cannot effectively reduce fugitive dust, the agency shall divert traffic to nearby paved areas.
- 1.19.12 The agency shall ensure that the construction material is covered by tarpaulin. The agency shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.
- 1.19.13 Wind breaking wall around construction site.
- 1.19.14 The Agency shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and / or other similar material to ensure that no construction material dust fly outside the plot area.
- 1.19.15 Any violation of orders of MoEF including guidelines of State Government, SPCB or any officer of any department shall lead to stoppage of work for which Agency shall be responsible and no hindrance shall be accounted in this regard.
- 1.20 **Miscellaneous**
 - 1.20.1 For core cutting & sealing of joint with approved material (non-shrink grout) for taking out of sanitary/ water supply/ fire-fighting cables, pipes etc. if any, nothing extra shall be paid.
 - 1.20.2 Agency shall arrange water for construction from its own sources within the ambit of laws and guide lines issued by the competent authority in this regard. CPWD shall support the agency for the same.
 - 1.20.3 Any cement slurry / epoxy based bonding agent such as nito bond or equivalent etc. added over base surface for continuation of concreting for better bond is deemed to have been in-built in the items and nothing extra shall be payable.
 - 1.20.4 The work shall be carried out in accordance with the architectural drawings and structural drawings, to be issued from time to time, by the Engineer-in-Charge. Before commencement of any item of work the contractor shall correlate all the relevant architectural and structural drawings, nomenclature of items and specifications etc. issued for the work and satisfy himself that the information available there from is complete and unambiguous. The figure and written dimension of the drawings shall be superceding the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-in-charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and/ or incomplete information and no claim whatsoever shall be entertained on this account.

- 1.20.5 In the case of items of which abbreviated nomenclature is not available in the above cited publication and also in case of extra and substituted items of works for which abbreviated nomenclature is not provided in the agreement, the full nomenclature of items shall be reproduced in the measurements books and bill forms for running account bill.
- 1.20.6 The full nomenclature of the items shall be adopted in preparing abstract of final bill in the measurement book and also in the bill form for final bill.
- 1.20.7 The terms machine batched, machine mixed and machine vibrated concrete used elsewhere in agreement shall mean the concrete produced in concrete batching and mixing plant and if necessary transported by transit concrete mixers, placed in position by the concrete pumps, tower crane and vibrated by surface vibrator /needle vibrator / plate vibrator , as the case may be to achieve required strength and durability.
- 1.20.8 The construction joints shall be provided in predetermined locations only as decided by Engineer-in-charge. The cost of shuttering for these construction joints shall be included in item of Concrete work / RCC work and nothing extra shall be payable on this account to the contractor.
- 1.20.9 The contractor shall invariably prepare the samples of finishing items i.e. flooring of different types, external & internal finishing i/c colour scheme of paint, tiles in dado, flooring in platforms & staircase, water supply & sanitary fittings and any other item as per direction of Engineer-in-charge. The contractor shall proceed with further finishing items only after getting the samples of these items approved in writing from Engineer-in-charge.
- 1.20.10 In case of construction of residential quarters, one **sample quarter** complete in all shape for each category, shall be prepared by the contractor and got approved from Engineer-in-charge in writing. The contractor shall be allowed to proceed with further quarters only after getting the sample quarters approved in writing from Engineer-in-charge No extra claim whatsoever beyond the payments due at agreement rates will be entertained from the contractor on this account.
- 1.20.11 Royalty at the prevalent rates shall be payable by the contractor on all the boulders, metals, shingle, sand and bajri etc. collected by him for the execution of the work, direct to the Revenue authority or authorized agent of the state Government concerned or Central Government.
- 1.20.12 The contractor shall get the water tested with regard to its suitability of use in the works and get written approval from the Engineer-in-charge before he proceeds with the use of same of execution of works. If the tubewell water is not suitable, the contractor shall arrange Municipal water or from any other sources at his own cost and nothing extra shall be paid to the contractor on this account. The water shall be got tested at frequency specified in latest CPWD specifications/BIS code.
- 1.20.13 **PROGRAM CHART:** The Contractor shall prepare an integrated program chart and action thereof as per GCC 2020 - Clause 5.1 of Contract.
- 1.20.14 **Escalation:** Escalation under clause 10 CA of GCC shall not be payable on cement consumed in Fly Ash Bricks.

Special Conditions

1.0 Cement

- 1.1 Agency shall procure PPC conforming to IS : 1489 (Part 1) as required in the work from cement manufacturers mentioned in the list of approved makes for civil works or from any other reputed cement manufacturer having a production capacity not less than 1 million tons per annum as approved by ADG (NR-II), CPWD, Lucknow. Uses of GGBS /Fly ash with OPC is permitted.
- 1.2 The supply of cement shall be taken in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the agency shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the agency does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the agency at his own cost within a week's time of written order from the Engineer- in-charge to do so. Supply of cement shall be taken in 50-kg bags bearing manufacturer's name, or his registered trademarks if any and grade and type of cement as well as ISI marking. The packing of the cement bags shall be as per CPWD specifications 2019.
- 1.3 The cement shall be brought at site in bulk supply of approximately 50 tons or more as decided by the Engineer-in-charge. The cement godown of required capacity to store the cement shall be constructed by the agency at site of work.
- 1.4 The cement godown shall always be accessible for the Engineer-in-Charge or his representative.
- 1.5 The cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The agency shall supply free of charge the cement required for testing including its transportation cost to testing laboratories.
- 1.6 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption, no cost adjustment shall be made.

- 1.7 The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge.
- 1.8 The damaged cement shall be removed from the site immediately by the agency on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the agency.

2.0 Steel Reinforcement Bars

- 2.1 The contractor shall procure IS marked TMT bars of various grades from the Steel manufactures or their authorized dealers (as per following selection criteria) having valid BIS license for IS:1786-2008 (Amendment -1 November 2012)

The procured steel should have following qualities:-

- i. Excellent ductility, bend ability and elongation of finished product due to possible refining technology.
- ii. Consumption of steel should be accurate as per design.
- iii. Steel should have no brittleness problem in finished product.
- iv. Steel should carry the quality of corrosion and earthquake resistance.
- v. Quality steel with achievement of proper level of sulphur and phosphorus as per IS:1786-2008.

2.1.1 Selection Criteria of steel manufacturers

The supply of reinforcement steel for all CPWD works should have following selection criteria of steel manufacturers :-

Steel producers of any capacity using iron ore/processed iron ore as the basic raw material adopting advanced refining technologies as given hereunder,

- i. DRI-EAF = Direct Reduced iron-Electric arc furnace.
or
- ii. BF-BOF = Blast furnace-Basic oxygen furnace.
or
- iii. COREX-BOF = COREX - Basic oxygen furnace.

For production of liquid steel to finish product at single/multiple locations with NABL or any other similarly placed accrediting Government body which operates in accordance with ISO/IEC17011 and accredits labs as per ISO/IEC 17025 conforming to IS:1786-2008 (Amendment -1 November 2012). The check list for incorporation any quality steel producer is enclosed for technical assesment is given in Annexure.

Chief Engineer CSQ (Civil) unit, Directorate of CPWD shall approve the steel manufacturers.

The contractor shall have to obtain and furnish manufacturer test certificates to the Engineer-in-charge in respect of steel brought by him to the site of work.

- 2.2 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time of written orders from the Engineer-in-Charge to do so.
- 2.3 The steel reinforcement bars shall be brought at site in bulk supply of 10 tonnes or more or as decided by the Engineer in charge.
- 2.4 The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 2.5 For checking nominal mass, tensile strength, bend test, re-bend test, etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:

Size of bar	For consignment below 100tonnes	For consignment above 100tonnes
Under 10 mm dia bars	One sample for each 25 tonnes or part there of	One sample for each 40 tonnes or part there of
10 mm to 16mm dia Bars	One sample for each 35 tonnes or part there of	One sample for each 45 tonnes or part there of
Over 16mm dia bars	One sample for each 45 tonnes or part there of	One sample for each 50 tonnes or part there of

- 2.6 **Testing charges to be borne by Contractor :** All expenditure to be incurred for testing of samples e.g. packaging, Sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor. The testing of materials shall be conducted in Govt. Laboratory/Govt. Colleges/IITs/NITs or from the laboratory approved by Engineer-in-charge. (As per issued by authority of Director General, CPWD no. DG/MAN/410 dated 22.10.2021).
- 2.7 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations,

- recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.
- 2.8 The Steel brought to site and remaining unused shall not be removed from site without the written permission of Engineer-in-Charge.
- 2.9 Reinforcement including authorized spacer bars and lappings shall be measured in length for different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimetre. Wastage and unauthorized overlaps shall not be measured.
- 2.10 The standard sectional weights referred to shall be as in Table 5.4 in para 5.3.4 in revised CPWD specifications 2009 Vol. I will be considered for conversion of length of various sizes of TMT bars in to standard weight.
- 2.11 Record of actual sectional weights shall also be kept dia wise and lot wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer in Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight.
- 2.12 If the derived weight is less than the standard weight, then the Derived Actual Weight shall be taken for payment.
- 2.13 If the derived actual weight is found more than the standard weight, than standard weight as worked out as per para above shall be taken for payment. Nothing shall be paid extra for the difference in Derived/ Actual Weight and standard weight.
- 2.14 Every care should be taken to avoid mixing different types of grades of bars in the same structural members as main reinforcement to satisfy relevant clause of IS: 456. In case of buildings, wherever the situation necessitates, the change over shall be permitted only from any one level onwards. In case of foundations, all foundation elements (footings and grade beams) shall have the same kind of steel. In the case of columns, all structural elements up to the level of change, where the change over is taking place should have the same kind of steel as those in columns.
- 2.15 The reinforcing steel brought to site of work shall be stored on brick / timber platform of 30/40-cm height, nothing extra shall be paid on this account.

Special Condition for Steel
(Reference para 2.1)

Sr. No.	Item	Checkpoint	Remarks
1.	Steel Producer having manufacturing facilities at plant	a. Factory address and Registration b. Certificate of manufacturing process c. Refining process of steel Producer c.1 BF- BOF route c.2 Corex - BOF route c. 3 DRI – EAF route With documentary evidence either for BOF or EAF d. Steel plant having infrastructure for producing sponge iron, billete and TMT Rebars e. Production and Quality Flow Chart f. Plant Evaluation and Process Verification g. List of Plant & Machinery	
2.	Established	Document verification for: a. Govt. / PSU Approvals b. Supply orders of TMT Re-bars in Govt. Projects (Minimum-5 years) c. Verification of direct supply orders to any State/Central Govt. Department I d. User Certificate issued by any Govt. Department directly	
3.	Indigenous	Documentary evidence like; a. Certificate of Incorporation b. Memorandum of Articles of Association c. Credit rating of the company from CARE/CRISIL/ICRA should not be C/D grade (minimum last 3 year)	
4.	Reliable	a. Test Results from Govt./NABL accredited laboratories b. In-house testing facility for physical/Chemical tests (NABL accredited) d. Calibration Certificates	

		e. List of Lab Equipments: e.1 Spectrometer e.2 Computerized UTM	
5.	Use of iron-ore/Processes iron ore as basic raw materials	Verification of Iron-Ore/Process iron ore Invoices	
6.	In- house rolling facility	Plant verification to identify in-house rolling facilities, production of liquid steel & crude steel	
7.	Licenses & Certificates	a. ISO9001:2008 Certification b. ISO 14001:2004 Certification c. OHSAS 18001:2007 Certification d. IS 1786:2008 (TMT) Re-bars e. IS 2830:1990 (Billets)	
8.	Product Range	TMT Re-bars FE415/415D/500/500D/550/550DCRS (Corrosion Resistant) & EQR Earthquake Resistant) TMT Re-Bars Size 8 to 36 mm dia	

3.0 Design Mix Concrete from Batch Mix Plant or RMC.

3.1 Design mix is to be carried out as per IS 10262, IS 456 and other relevant IS codes / CPWD Specifications amended upto 21/08/2026.

3.2 The agency shall install fully automatic Batch Mix Plant at site or in nearby area wherever permissible. If required, agency will arrange concrete from RMC (Ready Mix Concrete) producing plants (located within 50 km distance from the site of work) with prior approval from Engineer-in-charge.

3.2.1 For all purposes, the agency shall carry out fully, the responsibilities of the “placement agency” and the “manufacturer of concrete”.

3.3 The Engineer-in-Charge will reserve the right to inspect at any stage and reject the concrete if he is not satisfied about quality of product at the user’s end.

3.4 The Engineer-in-charge reserves the right to exercise control over the: -

3.4.1 Ingredients, water and admixtures purchased, stored and to be used in the concrete including conducting of tests for checking quality of materials, recording of test results and declaring the materials fit or unfit for use in production of mix.

- 3.4.2 Calibration check of the RMC plant.
- 3.4.3 Weight and quantity check on the ingredients, water and admixtures added for batch mixing.
- 3.4.4 Time of mixing of concrete.
- 3.4.4 Testing of fresh concrete, recordings of results and declaring the mix fit or unfit for use. This will include continuous control on the workability during production and taking corrective action, if required.
- 3.5 For exercising such control, the Engineer-in-charge shall periodically depute his authorized representative at the RMC plant. It shall be responsibility of the agency to ensure that all necessary equipment, manpower & facilities are made available to Engineer-in-Charge and/or his authorised representative at RMC plant.
- 3.6 All required relevant records of produced and used concrete shall be made available to the Engineer-in-Charge or his authorised representative. Engineer-in-Charge shall, as required, specify guidelines & additional procedures for quality control & other parameters in respect of materials, production & transportation of concrete mix which shall be binding on the agency. Only concrete as approved in design mix by Engineer-in-Charge shall be produced and transported to the site.
- 3.7 The concrete mix design with and without admixture will be carried out by the agency, at his own cost, through one of the following laboratories/Test houses to be approved by Engineer-in-charge: -
 - 3.7.1 Site laboratory of approved RMC plant or own batch mix plant approved by Engineer-in-charge.
 - 3.7.2 IITs, NITs or any Govt. Engineering College.
 - 3.7.2 National Council for Cement & Building Materials, Ballabhgarh.
 - 3.7.3 CRRI, Delhi.
 - 3.7.4 In the event of all the above laboratories being unable to carry out the requisite design/testing, the agency shall have to get the same done from any other reputed laboratory with prior approval of the Engineer-in-Charge.

4.0 Waterproofing

- 4.1 The work shall be got executed from the specialized agency as approved by the Engineer-in-Charge.
- 4.2 The water proofing compounds shall be in accordance to Approved make of materials annexed in the contract agreement. Contractor shall get the water proofing product and its make approved from Engineer-in-charge. However, this approval

shall not exempt the contractor and specialized agency from responsibility for success of water proofing treatment done by him.

- 4.3 Total quantity of the water proofing compound required shall be arranged only after obtaining the prior approval of the make by Engineer-in-charge in writing. Materials shall be kept under double lock and key and proper account of the water proofing compound used in the work shall be maintained. It shall be ensured that the consumption of the compound is as per specified requirements.
- 4.4 Specialised agency shall prepare a mock up sample to demonstrate to engineer-in-charge the success of water proofing treatment.
- 4.5 The finished surface after water proofing treatment shall have adequate smooth slope as per the direction of the Engineer-in-charge.
- 4.6 Before commencement of treatment on any surface, it shall be ensured that the outlet drain pipes / spouts have been fixed and the spout openings have been eased and rounded off properly for easy flow of water.
- 4.7 Specialise agency and main contractor shall get water proofing work done checked by engineer-in-charge or his authorized agency by flooding of water for sufficient duration as directed by Engineer-in-charge. However, this approval shall not exempt the contractor and specialized agency from responsibility for success of water proofing treatment done by him.
- 4.8 The approved specialized agency for the work of water proofing will have to execute a guarantee bond in the prescribed proforma in this bid document for removing any defects in waterproofing done by it in this contract for 10 years after completion of entire work in the contract agreement. Guarantee bond shall be signed by both the specialized agencies as approved by the Engineer-in-Charge and the main contractor to meet their liability under the guarantee bond.
- 4.9 **10% of total cost of water proofing item** excluding cost of external plaster on masonry, if water proofing compound added in external plaster also) shall be retained as additional security deposit and the amount so withheld would be released after ten years from the date of completion of the entire work under the agreement. If the performance of the work done is found unsatisfactory and any defects noticed during the guarantee period, they shall be rectified by the agency within 10 days of receipt of intimation of defects in the work. If the defects pointed out are not attended to within the specified period, the same will be got done from another agency at the risk and cost of the agency.

5.0 Aluminium Work

- 5.1 The material for the work shall be procured from the approved manufacturer as per Approved make list for materials annex in this contract agreement. The Contractor shall procure and submit samples of various materials to be used in the work for the approval of Engineer-in-Charge and no work shall commence before such samples are approved. Samples of un-anodized as well as polyester powder coated aluminium sections, microwave cured EPDM gaskets, glass, stainless steel screws,

anchor fasteners, hardware and any other material or components requiring approval of samples, in opinion of Engineer-in-Charge, shall be submitted for the approval as mentioned above. The above samples shall be retained as standards of materials and workmanship.

- 5.2 The Contractor shall prepare a finished sample of the aluminium window along with glazing panel and fittings etc. for approval of workmanship and material. Nothing extra shall be payable on this account.
- 5.3 Only after the approval of the material samples and sample windows by the Engineer-in-Charge, the Contractor shall procure the material for the work. All materials brought to the site by the Contractor, for use in the work, as well as fabricated components shall be subject to inspection and approval by Engineer-in-Charge. The Contractor shall produce manufacturer's test certificates for any material or particular batch of materials supplied by him.
- 5.4 Aluminium sections to be used for various works shall be appropriate to meet technical, structural, functional and aesthetic considerations. The polyester powder coating shall be carried out in a factory / workshop approved by engineer-in-charge.

Fabrication :

- 5.5 All joints shall be accurately fabricated and be hairline in appearance. The finished surface shall be free from visible defects. All the aluminium windows/ventilators/doors shall be factory made and shall be brought to site for assembly and fixing.
 - 5.6 All hardware used shall conform to the relevant specifications and as per samples approved by the Engineer-in-Charge. Design, quality, type, number and fixing of hardware shall be generally in accordance with architectural drawings and as approved by the Engineer-in-Charge before use.
 - 5.7 All doors, windows, ventilators and glazing etc. shall be made water tight with microwave cured EPDM gaskets and weather silicone sealants to the satisfaction of the Engineer-in-Charge.
 - 5.8 The frames shall be strictly as per Architectural drawings, the corners of the frame being fabricated to the true right angles. Both the fixed frames and openable shutter frames shall be fabricated out of sections cut to required length, mitered and mechanically jointed for satisfactory performance. All members shall be accurately machine milled and fitted to form hairline joints. The jointing accessories such as aluminum cleats, stainless steel screws etc. shall not to cause any bi-metallic reaction by providing separators, wherever required.
- 6.5 Vertical members of the

aluminum frame work shall be embedded in the floors, wherever required, by cutting and making good of the floor.

Fixing of Aluminium Frame Work

- 5.9 The screws used for fixing fixed aluminum frames of the aluminum windows to masonry walls / RCC members and aluminum members to other aluminum members shall be of stainless steel of approved make and quality and of stainless steel grade 304. Threads of machine screws used shall conform to requirement of I.S. 4218.
- 5.10 For the aluminium windows, the gap between the aluminium frames and the R.C.C / Masonry and also any gaps in the various sections shall be filled with weather silicone sealant DC 795 of Dow Corning or equivalent in the required bite size, to ensure water tightness including providing and fixing backer rod , wherever required. The weather silicone sealant shall be of such approved colour and composition that it would not stain or streak the masonry / R.C.C. work. It should not sag or flow and shall not set hard or dry out under any conditions of weather and shall be tooled properly. The weather silicone sealant shall be used as per the manufacturer's specifications and shall be of approved colour and shade. Any excess sealant shall be removed / cleared. Nothing extra shall be payable for the above.
- 5.11 Fixing of glass panes shall be designed in such a way that replacing damaged / broken glass panes is easily possible without having to remove or damage any members or interior finishing materials.

Protections and Cleaning

- 5.12 All glass panes shall be retained within aluminium framing by use of exterior grade microwave cured EPDM gaskets. Use of glazing or caulking compounds around the perimeter of glass will not be permitted. There shall be no whistling or rattling. Before installation of glass, Contractor shall ensure the following:
- (ii) All glazing rebates shall be square, to plumb, true to plane, dry and free from dust.
 - (iii) Glass edge shall be clean and cut to exact size and grounded
 - (iv) Low 'E' – Heat strengthened glass of specified thickness in doors, windows, ventilators and fixed glazing etc. shall be of approved make and standard quality conforming to C.P.W.D. Specifications.

Measurement and Rates

- 5.13 Aluminium frame work shall be measured as per CPWD specifications.

- 5.14 For glazing, the actual area of the glass panels excluding the portion in the beading shall be measured in sqm upto two decimal places, for payment.
- 5.15 Stainless steel adjustable heavy duty friction hinges and the aluminium handles for the openable side hung windows shall be of "Earl Bihari" Ebco, make or equivalent as approved by the Engineer-in-Charge. 2 nos. friction hinges shall be provided per shutter.
- 5.16 The cost of designing and preparation of shop drawings, all the samples, mockup of window etc. is deemed to be included in the cost of the relevant items. Nothing extra shall be payable on this account.
- 5.17 The item for aluminium for fixed portions for aluminium windows and frame work for partitions shall include cost of all inputs of labour, polyester power coated (anodized aluminium sections, including cleats, other fixtures, weather silicone sealants, stainless steel screws, nuts, bolts, rawl plugs, backer rods, polyethylene tapes etc. which shall be required for fabrication and erection of aluminium work) T & P, all incidental charges, wastages etc. involved in the work. However, for the purpose of payment, the weight of aluminium sections for the fixed window frame and frame work for partitions, shall be measured in Kg.
- 5.18 The aluminium cleats, stainless steel screws, nuts, bolts, separators etc. shall not be measured separately for payment and their cost is deemed to be included in the cost of this item. The item for aluminium for frame work for fixed partitions shall also include cost of providing and fixing stainless steel anchor fasteners as required.
- 5.19 The item of aluminium for the openable aluminium shutters for windows and doors etc., shall include cost of all inputs of labour, material (polyester powder coated aluminium sections, including such as cleats / angles, other fixtures, stainless steel screws nuts, bolts, stainless steel hinges, weather silicone sealant etc. which shall be required for fabrication of aluminium work) T & P, all incidental charges, wastages etc. involved in the work. However, for the purpose of payment, the weight of aluminium sections for the window shutter (sash frame) shall be measured in Kg. The aluminium cleats, stainless steel anchor fasteners, screws, nuts, bolts, separators, stainless steel hinges, etc. shall not be measured separately for payment and their cost is deemed to be included in the cost of this item. The anodized aluminium snap beading for fixing glass panels in the openable shutters of the windows shall be measured separately (on weight basis) and paid under this item of aluminium frame work for window shutters.
- 5.20 The glass shall be paid for separately under relevant item. The cost providing and fixing Microwave cured EPDM gasket, felt etc. is included in the cost of this item and shall not be measured separately for payment.

- 5.21 The item for the aluminium frame work includes cost of making provision for fixing fittings, wherever required, as per the item description (The cost for providing fitting i.e. handle, lock and buffer shall be paid for separately).

Guarantee for Aluminium Work

- 5.22 The contractor shall guarantee about proper design and performance of aluminium work for a period of 10 years from the date of completion of work.
- 5.23 The design and installation shall be to the best international standards and shall specially take account of wind and seismic loads, storms, thermal stresses, building movements and the like.
- 5.24 The 10 year guarantee, shall be furnished in non-judicial stamp paper of value Rs.100/- or more, in prescribed performa for performance of glazed units, anodizing, EPDM/silicon gaskets and sealants. The guarantees shall be submitted before final payment and shall not in any way limit any other rights to correct which the Employer may have under the Contract.
- 5.25 In addition to above, 2% (two percent) of the cost of all the items under sub-head ALUMINIUM WORK, as mentioned in schedule of quantities, shall be withheld from the bills towards guarantee as specified above. This amount to be withheld towards guarantee shall be in addition to the other amounts to be withheld as mentioned elsewhere in the contract agreement. However, half of this withheld amount would be released after five years from the date of completion of the work, if the performance, as required, is satisfactory. The remaining withheld amount shall be released after 10 years from the date of completion of work, if the performance, as required, is satisfactory. If any defects is noticed during the guarantee period, it shall be rectified by the contractor within seven days of issue of notice to the contractor, temporarily, to the satisfaction of the **CPWD/ Client Department or any other authorized representative of client department** and within a period of one month the permanent rectification of the defects/replacement of defective materials should be carried out by the contractor. If not attended to, the same shall be got done through other agency at the risk and cost of the contractor and the cost, which shall be final and binding on the contractor, shall be recovered from the amount withheld towards the guarantee as mentioned above or any other amount due to the contractor. However, the amount withheld as guarantee can be released in full, irrevocable bank guarantee, from a Schedule/Nationalized Banks, of the same amount, for the guarantee period is submitted by the contractor in favour of Engineer-in-charge. The defects, if any, shall be rectified, retaining the same aesthetics and other functional parameters of the original work.

6.0 Additional Conditions for Painting Work

- 6.1 Mechanical sanding machine (for scrubbing & preparation of surface) shall be used by the contractor.
- 6.2 In case of painting over old work / new work, the contractor shall give proper notice to the Engineer-in-charge after the surface is prepared & before applying of primer coat / paint. The Engineer-in-charge shall either approve the surface thus prepared or ask the contractor to rectify the defects pointed. Only after approval by Engineer-in-charge, the priming / painting coat shall be applied.
- 6.3 Primer coat shall be applied over cement based putty as per specifications of the paint manufacturers. If the component of primer is not included in the BOQ agreement item for painting, then payment for primer shall be made to the contractor separately.

7.0 Approved Make for Civil Works

- 7.1 Contractor shall adopt materials in work as per Approved make of materials annexed in this contract document. Contractor shall submit samples of materials he propose to use for this work for approval of engineer-in-charge. The approved samples shall be preserved at work site in safe custody till completion of whole work. In case any sample submitted by contractor is not approved by Engineer-in-charge, contractor shall arrange and submit alternate samples for approval of engineer-in-charge. The efforts should be made by the contractor to use indigenous products. The agency should also consider the availability of spares parts/components for maintenance purposes while proposing any brand/manufacturer.
- 7.2 Wherever work is specified to be done or material procured through specialized agencies, their names shall be got approved well in advance from Engineer-in-charge. Failure to do so shall not justify delay in execution of work. It is suggested that immediately after award of work, contractor should negotiate with concerned specialist agencies and send their names for approval to Engineer-in-charge. Any material procured without prior approval of Engineer-in-charge in writing is liable to be rejected. Engineer-in-charge reserves right to get the materials tested in laboratories of his choice before final acceptance. Non standard materials shall not be accepted.
- 7.3 Various factory made materials shall be procured from reputed and approved manufacturers or their authorized dealers and the material shall conform to the make as specified in this contract agreement. However for the items not appearing in the list, preference shall be given to those articles which bear ISI certification marks. In case articles bearing ISI certification marks are not available or where BIS certification system is available for a particular material/product but not even a single producer has so far approached BIS for certification, the material can be used

- subject to the condition that in such case written approval of the Technical sanctioning authority may be obtained before use of such material in the work.
- 7.4 All materials and articles brought by the contractor to the site for use shall conform to the samples approved, which shall be preserved till the completion of the work. However, such articles which bear ISI mark but stand banned by CPWD will not be used. Not with standing the case of materials of "Approved Make" as given, provisions of Clause 10A of the General Conditions of Contract for Central PWD works shall be applicable on the materials of "Approved Make" also.
- 7.5 In the schedule of quantities / nomenclature of items, the brand / make of product / material has been mentioned. The contractor is required to provide the same brand / make as mentioned in the item or in the approved make list. If the same are not available in the market or the suppliers adopts monopolistic practice then the approval of other equivalent brand / make are to be obtained from Engineer-in-charge. The contractor will submit such a case at least three months before the materials is required at site. If the rate of other equivalent brand / make are less than the brand / make mentioned in the item, than necessary cost adjustment will be made for difference in rates.
- 7.6 For items / materials not appearing in the list of Approved make of materials, decision of Engineer-in-charge shall be final and binding.
- 7.7 **For CP brass fittings and sanitary fittings/items, normal range products as specified in approved make list for materials shall be adopted in this work.**
- 7.8 The list of approved make of materials for Civil Works is given as **Annexure-II**.

SPECIAL CONDITIONS
REGARDING ROYALTY OF MATERIALS TO BE USED IN CONSTRUCTION WORK

राजस्थान सरकार, खान (ग्रुप-2) विभाग के पत्र क्रमांक प.13(6) खान/ग्रुप-2/80-पार्ट जयपुर, दिनांक 15.11.2011 के अनुसार राजकीय विभागों, स्वायत्तशासी संस्थाओं, राजकीय उपक्रमों में कार्यरत निर्माण ठेकेदारों से निर्माण कार्य में काम आने वाले खनिजों मेसेनरी स्टोन, मिट्टी बोल्ट, बजरी, कंकर, मोरम, साधारण मिट्टी (ईट मिट्टी को छोड़कर) की रायल्टी वसूली के संबंध में।

उपरोक्त विषयांतर्गत पूर्व में जारी किये गये परिपत्र दिनांक 06.10.2008 / 08.10.2008 को माननीय उच्च न्यायालय, जोधपुर द्वारा एस.बी. सिविल रिट सं. 1309/09 में पारित आदेश दिनांक 17.01.2011 से पिटीशनकर्ता द्वारा रायल्टी पेड खनिज प्राप्त कर काम में लिये जाने के बावजूद उक्त परिपत्र अल्पावधि अनुमति पत्र लेने हेतु बाध्य करता है, इस कारण निरस्त किया है तथा परिपत्र को संशोधित कर जारी करने की छूट प्रदान की गई। उक्त निर्णय के प्रकाश में परिपत्र दिनांक 06.10.2008 / 08.10.2008 के अतिक्रमण में राजकीय विभागों, स्वायत्तशासी संस्थाओं, राजकीय उपक्रमों में कार्यरत निर्माण ठेकेदारों से निर्माण कार्य में काम आने वाले खनिजों पर देय रायल्टी के भुगतान बाबत निम्न प्रक्रिया तय की जाती है। यह प्रक्रिया तुरंत प्रभाव से लागू होगी।

1. संबंधित निर्माण विभाग को कार्यादेश की प्रति मय जी-शिड्यूल, जिसमें निर्माण में काम आने वाले खनिजों की मात्रा का विवरण हो (घनमीटर अथवा टनों में), संबंधित खनि अभियंता / सहायक खनि अभियंता कार्यालय में प्रस्तुत करनी होगी।
2. ठेकेदार को निर्माण कार्य शुरू करने से पूर्व निम्न में से कोई एक विकल्प संबंधित खनि अभियंता / सहायक खनि अभियंता कार्यालय में शपथ पत्र के साथ प्रस्तुत करना होगा।
विकल्प-ए :- यदि ठेकेदार अपने स्तर पर खनिजों का खनन करने हेतु अल्पावधि अनुमति पत्र प्राप्त करना चाहता है जिसका कार्य समाप्ति पर अधिशुल्क निर्धारण कराना चाहता है एवं रायल्टी की राशि रनिंग बिलों से कटवाना चाहता है।
विकल्प-बी :- यदि ठेकेदार अल्पावधि अनुमति पत्र प्राप्त करना चाहता है, परन्तु रायल्टी की राशि रनिंग बिलों से कटाने के बजाय खान विभाग में अल्पावधि अनुमति पत्र प्राप्त करते समय अग्रिम रूप से जमा कराना चाहता है।
विकल्प-सी :- यदि ठेकेदार सम्पूर्ण खनिज रायल्टी पेड खरीदना चाहता है तथा रनिंग बिल की स्टेज पर निर्धारण के लिए रायल्टी भुगतान का समुचित रिकॉर्ड प्रस्तुत करेगा।
विकल्प-डी :- यदि ठेकेदार विकल्प बी व सी को सम्मिलित रूप से काम में लेना चाहता है।
3. ठेकेदार द्वारा उपरोक्त बिन्दु संख्या 2 के अनुसार विकल्प प्रस्तुत कर दिये जाने पर संबंधित खनि अभियंता / सहायक खनि अभियंता द्वारा इसकी सूचना निर्माण विभाग को दी जायेगी एवं निर्माण विभाग विकल्पों के अनुसार, नीचे दी गई व्यवस्था के अनुरूप, रायल्टी वसूली बाबत कार्यवाही करेगा।
4. विकल्प-ए के ठेकेदारों के प्रथम बिल पारित करने के पूर्व निर्माण-विभाग खनि अभियंता / सहायक खनि अभियंता द्वारा जारी अल्पावधि अनुमति पत्र की प्रति प्राप्त करेगा, अन्यथा बिल का भुगतान नहीं किया जायेगा। ऐसे ठेकेदारों के रनिंग बिलों से रायल्टी की कटौती निम्नानुसार निर्धारित दर से की जाकर चेक अथवा महालेखाकार के यहाँ समायोजन के माध्यम से मय कटौती विवरण के जमा करानी होगी -
 1. सड़क निर्माण (वाइडनिंग सहित) 3%
 2. भवन निर्माण 2%
 3. सड़क नवीनीकरण 1.5%
 4. अन्य कार्य जिनमें खनिज का उपयोग होता हो 1%

उक्त विकल्प के ठेकेदार यदि अतिरिक्त राशि जमा हो जाने के कारण रिफण्ड चाहते हैं तो उन्हें निर्माण कार्य समाप्ति के 30 दिवस की अवधि में अपना रिकॉर्ड यथा काम में लिये गये खनिज का ब्यौरा (निर्माण विभाग से प्रमाणितशुदा) खनिज प्राप्त किये जाने का स्त्रोत, उसके बिल/रवन्ना/अधिकृत ठेकेदार की रायल्टी पर्ची जिनमें निर्माण विभाग के ठेकेदार का नाम अंकित हो, अधिशुल्क निर्धारण हेतु खनि अभियंता / सहायक खनि अभियंता कार्यालय में प्रस्तुत करने होंगे। उक्त 30 दिवस की अवधि में रिकॉर्ड प्रस्तुत नहीं करने पर निर्माण विभाग द्वारा रनिंग बिलों से काटी गई राशि को अंतिम माना जायेगा।

5. विकल्प-बी के ठेकेदारों को अल्पावधि अनुमति पत्र प्राप्त करते समय खनिज की रायल्टी संबंधित खनि अभियंता / सहायक खनि अभियंता कार्यालय में जमा करानी होगी। निर्माण विभाग द्वारा ऐसे ठेकेदारों के रनिंग बिल कटौती किये बगैर पारित किये जा सकेंगे, परन्तु अंतिम रनिंग बिल खनि अभियंता / सहायक खनि अभियंता से अनापत्ति प्राप्त किये बिना पारित नहीं किया जायेगा।
6. विकल्प-सी के ठेकेदारों द्वारा संबंधित रनिंग बिल तक काम में लिये गये खनिज का ब्यौरा (निर्माण विभाग से प्रमाणितशुदा), खनिज प्राप्त किये जाने का स्त्रोत उनके बिल/रवन्ना/अधिकृत ठेकेदार की रायल्टी पर्ची जिनमें निर्माण विभाग के ठेकेदार का नाम अंकित हो, अधिशुल्क निर्धारण हेतु खनि अभियंता / सहायक खनि अभियंता कार्यालय में प्रस्तुत करने होंगे। खनि अभियंता / सहायक खनि अभियंता द्वारा अधिशुल्क निर्धारण आदेश जारी कर दिये जाने पर निर्माण विभाग द्वारा संबंधित रनिंग बिल पारित किया जा सकेगा, परन्तु अंतिम रनिंग बिल खनि अभियंता / सहायक खनि अभियंता द्वारा अनापत्ति प्राप्त किये बिना पारित नहीं किया जायेगा।
7. विकल्प-डी के ठेकेदारों को अल्पावधि अनुमति पत्र प्राप्त करते समय खनिज की रायल्टी संबंधित खनि अभियंता / सहायक खनि अभियंता कार्यालय में जमा करानी होगी। रायल्टी पेड प्राप्त किये गये खनिज का ब्यौरा (निर्माण विभाग से प्रमाणितशुदा), खनिज प्राप्त किये जाने का स्त्रोत उनके बिल / रवन्ना / अधिकृत ठेकेदार की रायल्टी पर्ची जिनमें निर्माण विभाग के ठेकेदार का नाम अंकित हो, अधिशुल्क निर्धारण हेतु खनि अभियंता / सहायक खनि अभियंता कार्यालय में प्रस्तुत करने होंगे। खनि अभियंता / सहायक खनि अभियंता कार्यालय में प्रस्तुत करने होंगे। खनि अभियंता / सहायक खनि अभियंता द्वारा अधिशुल्क निर्धारण आदेश जारी कर दिये जाने पर निर्माण विभाग द्वारा संबंधित रनिंग बिल पारित किया जा सकेगा, परन्तु अंतिम रनिंग बिल खनि अभियंता / सहायक खनि अभियंता से अनापत्ति प्राप्त किये बिना पारित नहीं किया जायेगा।
8. BOT/BOOT के तहत होने वाले निर्माण कार्यो अथवा जिन निर्माण कार्यो के बिलों का भुगतान किसी भी विभाग द्वारा नहीं किया जाता है, उसमें विकल्प-ए, सी एवं डी लागू नहीं होगा, इनकी बजाय विकल्प-बी लागू होगा।
9. कार्य समाप्त होने पर निर्माण विभाग द्वारा ठेकेदार द्वारा उपयोग की गई खनिज की वास्तविक मात्रा का विवरण तथा काटी गई रायल्टी राशि का ब्यौरा संबंधित खनि अभियंता / सहायक खनि अभियंता को देना होगा।
10. यदि निर्माण विभाग द्वारा उक्तानुसार प्रक्रिया का पालन नहीं किया गया अथवा ठेकेदार द्वारा अवैध रूप से खनिज का उपयोग किया गया है तो खनिज की दस गुणा रायल्टी वसूली योग्य होगी, जिसको जमा कराने की जिम्मेदारी संबंधित निर्माण विभाग की होगी। संबंधित खनि अभियंता / सहायक खनि अभियंता एमएमसीआर, 1986 के नियम 66 तथा भू-राजस्व अधिनियम के प्रावधानों के अनुसार उक्त राशि वसूल कर सकेगा।

11. ठेकेदार द्वारा प्रतिबंधित क्षेत्रों जैसे चारागाह भूमि, केचमेंट एरिया, वन / अभ्यारण्य / राष्ट्रीय उद्यान तथा उनके सेफ्टी जोन क्षेत्र, विभिन्न न्यायालयों द्वारा प्रतिबंधित क्षेत्रों में खनन कार्य नहीं किया जायेगा एवं स्वीकृत खनन पट्टा / लाईसेंस क्षेत्र में या किसी खातेदारी भूमि में बगैर पट्टाधारी / लाईसेंसधारी या संबंधित खातेदार की लिखित सहमति के बिना खनन कार्य नहीं किया जायेगा। इस बाबत अल्पावधि अनुज्ञापत्र का आवेदन पत्र पेश करते समय ही शपथ पत्र देना होगा।

यह परिपत्र वित्त (राजस्व डिवीजन) विभाग की आर्डर डी संख्या 101103210 दिनांक 30.10.2011 की सहमति से जारी किया जाता है तथा इस विषय में राजस्व सरकार द्वारा माननीय सर्वोच्च न्यायालय में दायर की गई एसएलपी पर होने वाले निर्णय के अधधीन रहेगा।

राजस्थान सरकार, खान (ग्रुप-2) विभाग के पत्र क्रमांक प.13(6) खान/ग्रुप-2/80-पार्ट जयपुर, दिनांक 18.10.2012 के अनुसार इस विभाग के समसंख्यक परिपत्र दिनांक 15.11.2011 के बिन्दु संख्या 6 में आंशिक संशोधन किया जाता है कि इस बिन्दु में वर्णित रॉयल्टी पेड खनिज प्राप्त करने वाले ठेकेदारों के अधिशुल्क निर्धारण प्रत्येक रनिंग बिल व अंतिम बिल की स्टेज पर किये जाने की बजाय प्रथम रनिंग बिल की स्टेज एवं अंतिम बिल की स्टेज पर ही किये जाए।

इसके अलावा उक्त परिपत्र के बिन्दु संख्या 8 को निम्नप्रकार प्रतिस्थापित किया जाता है :-

"BOT/BOOT के तहत होने वाले निर्माण कार्य, जिनमें बिलों का भुगतान निर्माण विभाग द्वारा संवेदक को नहीं किया जाता है, उनमें विकल्प-ए' लागू नहीं होगा, विकल्प-बी लागू होगा, विकल्प-सी एवं विकल्प-डी इस शर्त के साथ लागू होंगे कि कार्य समाप्ति पर संवेदक द्वारा निर्माण विभाग से खनिज की मात्रा का विवरण प्राप्त किया जाकर अधिशुल्क निर्धारण हेतु बिन्दु संख्या 4 में वर्णित दस्तावेज खनि अभियंता को प्रस्तुत करने होंगे एवं खनि अभियंता द्वारा रायल्टी की अदेयता का प्रमाण-पत्र जारी किया जावेगा। निर्माण विभाग द्वारा संवेदक को टोल वसूली अधिकार पत्र / कार्य पूर्ण का प्रमाण पत्र तब तक जारी नहीं किया जावेगा, जब तक संवेदक खनि अभियंता से रॉयल्टी की अदेयता का प्रमाण पत्र प्राप्त कर प्रस्तुत नहीं कर दें।

राजस्थान सरकार, खान (ग्रुप-2) विभाग के पत्र क्रमांक प.13(6) खान/ग्रुप-2/80-पार्ट जयपुर, दिनांक 09.01.2013 के अनुसार इस विभाग के समसंख्यक परिपत्र दिनांक 15.11.2011 में निर्माण विभाग के ठेकेदारों से खनिजों पर रायल्टी वसूली एवं परमिट के संबंध में व्यवस्था की गई है, जिसमें आंशिक संशोधन परिपत्र दिनांक 18.10.2012 से किया गया है। उक्त के क्रम में परिपत्र दिनांक 15.11.2012 में बिन्दु संख्या 12 निम्न प्रकार जोड़ा जाता है :-

- "12. जो ठेकेदार रायल्टी पेड खनिज प्राप्त कर निर्माण कार्य सम्पादित करना चाहते हैं, परन्तु प्रथम या अंतिम रनिंग बिल की स्टेज पर अधिशुल्क निर्धारण नहीं करवाना चाहते हैं, उन्हें विकल्प 'ई' के रूप में वर्गीकृत किया जाकर उनके अंतिम बिल से रायल्टी की कटौती निम्नानुसार निर्धारण दर से की जाकर चेक अथवा ए0जी0 एडजेस्टमेंट के माध्यम से खान विभाग के आय मद में जमा करवाई जाए :-

1. सड़क निर्माण / वाइडनिंग एवं भवन निर्माण कार्य	3%
2. रिपेयरिंग एवं अन्य कार्य	1.5%

उक्त विकल्प लेने वाले ठेकेदारों को कार्य शुरू करने से पूर्व एक शपथ पत्र निर्माण विभाग में देते हुए प्रति खान विभाग को पृष्ठांकित किया जाना होगा कि वे अवैध खनन से खनिज प्राप्त नहीं करेंगे एवं खान विभाग द्वारा खनन स्रोत एवं परिवहन पर अवैध खनन निर्गमन के विरुद्ध की जाने वाली कार्यवाही पर किसी प्रकार की उजरदारी उनके द्वारा प्रस्तुत नहीं की जायेगी।

उक्त विकल्प BOT/BOOT ठेकेदारों द्वारा लिये जाने पर उन्हें कार्य की कुल लागत का उपरोक्त दरों से राशि खनि अभियंता कार्यालय में तीन समान किस्तों में कार्य समाप्ति से पूर्व जमा करानी होगी। निर्माण विभाग द्वारा कार्य की अंतिम संशोधित लागत से खनि अभियंता को अवगत कराया जाएगा तथा तीनों किस्त जमा हो जाने के खनि अभियंता द्वारा सत्यापन किये जाने पर बिन्दु संख्या 8 अनुसार निर्माण विभाग के अभियंता द्वारा टोल वसूली अधिकार पत्र / कार्य पूर्णता प्रमाण पत्र जारी किये जायेंगे।

Annexure-II

APPROVED MAKES OF MATERIALS FOR CIVIL WORKS

Name of work: Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)

Note: The makes are subject to the compliance of Make in India norms.

S.No	Material	Preferred Make
1	ANTI TERMITE PESTICIDES	BAYER, FMC INDIA, HINDUSTAN INSECTICIDES
2	STEEL (TMT FE-500D)	TATA., RINL, JINDAL STEEL & POWER LTD, JSW STEEL LTD., SAIL
3	STRUCTURAL STEEL SECTIONS	TATA, JINDAL, SAIL, RINL
4	CEMENT [OPC/PPC]	ACC, AMBUJA, ULTRATECH, WONDER, JK LAXMI, JK SUPER, SHREE
5	READY MIXED CEMENT CONCRETE	ACC, ULTRA TECH, AFCON
6	WHITE CEMENT	BIRLA WHITE, J.K. WHITE, ULTRATECH
7	VITRIFIED TILES (DOUBLE CHARGED/ FULL BODY/ULTRA SLIM /ANTISKID / ACID-ALKALI RESISTANT)- (ALL TILES SHALL BE PROCURED FROM FULLY OWNED FACTORY OF THE MANUFACTURER AND NOT FROM JV/ OUTSOURCED)	SOMANY, KAJARIA, NITCO, RAK
8	CERAMIC GLAZED TILES	SOMANY, KAJARIA, NITCO, RAK
9	WATER-PROOF CEMENT PAINT, SYNTHETIC ENAMEL PAINT, PLASTIC EMULSION PAINT, DISTEMPER/ACRYLIC EMULSION PAINT, TEXTURED PAINT, STEEL PRIMER, WOOD PRIMER, CEMENT PRIMER, EXTERIOR WATERPROOFING PAINT, WOOD FINISH (MELAMINE & PU POLISH)	ASIAN PAINT, NEROLAC, BERGER
10	PLY BOARD, PLYWOOD (PINE BOARD), LAMINATE, FLUSH DOOR (ALL FLUSH DOORS SHALL BE PROCURED FROM FULLY OWNED FACTORY OF THE MANUFACTURER AND NOT FROM JV / OUTSOURCED), PRELAMINATED PARTICLE BOARD	GREEN, MERINO, CENTURY, DURO
11	SELF LEVELLING COMPOUND	MAPAI, ARDEX ENDURA, BIZZAR
12	EPDM GASKET	HANU, ANAND, VICTOR
13	WOOD ADHESIVE	FEVICOL, 3M, ARAIDITE, SIKA
14	FIRE SEALANT	HILTI, 3M, MCCOY
15	TILE ADHESIVE, STONE ADHESIVE, EPOXY GROUTING COMPOUND	PIDILITE, ARDEX ENDURA, WEBER,
16	DASH, ANCHORING FASTENERS	HILTI, FISCHER, CANON
17	ALUMINIUM COMPOSITE PANEL	ALUCOBOND, REYNOBOND
18	READY MIX GYPSUM PLASTER	SAINT GOBAIN, USG BORAL, ULTRATECH
19	READY MIX CEMENT PLASTER	WEBER, ULTRATECH, BIRLA WHILTE
20	SILICON SEALANT	GE, DOW CORNING, PIDILITE

21	GYPSUM BOARD	USG BORAL, LAFAGE, SAINT GOBAIN, KNAUF DANOLINE
22	FLOAT GLASS, REFLECTIVE GLASS, TINTED GLASS, HIGH PERFORMANCE GLASS, LOOKING GLASS / MIRROR LACQUERED GLASS, HIGH PERFORMANCE GLASS, FIRE RESISTANT GLASS	MODI GLASS, SAINT GOBAIN GLASS
23	MECHANICAL COUPERS	USHA MARTIN, DEXTRA, HALFEN
24	CRYSTALLIANE CEMENTITIOUS WATERPROOFING COMPOUND	XYPEX CONSTRUCTION CHEMICAL, KRYTONE,
25	BITUMEN MEMBRANE FOR WATERPROOFING, HDPE MEMBRANE FOR WATERPROOFING, POLYUREA MEMBRANE FOR WATERPROOFING	SIKA, SAINT GOBAIN, SOPREMA, FOSROC PIDILITE
26	HOLLOW METAL PRESSED DOORS (METAL DOORS)	NAVAIR, TATA PRAVESH, SHAKTI HORMANN
27	ROLLER BLIND	VISTA, MAC, HUNTER DOUGLUS
28	HYDRAULIC DOOR CLOSER, FLOOR SPRING, DOOR AUTOMATION, HARDWARES FOR FIRE RATED DOORS, STAINLESS STEEL FITTINGS/HARDWARE FOR WOODEN/METAL/GLAZED/STEEL DOOR & WINDOWS, FRICTION STAY HINGES, HARDWARE FITTINGS FOR ALUMINIUM WINDOWS & DOORS	DORMA, GEZE, EBCO, HAFELE, HORMANN
29	ADHESIVE TAPE	3M, NORTON, TESA
30	HIGH PERFORMANCE EPOXY BASED RESIN ANCHOR SYSTEM	HILTI, FOSROC, CICO, SIKA
31	EPOXY MORTAR	FOSROC, SIKA, MYK LATICRETE, CICO
32	ALUMINIUM SECTIONS FOR DOORS & WINDOWS ETC.	JINDAL, HINDALCO, BHORUKA
33	FABRICATOR FOR ALUMINUM WORK AND STRUCTURAL GLAZING WORK	SAPA, KALCO, TECHNAL
34	MS SECTIONS (PIPES, BOXES CHANNELS)	JINDAL HISAR, TATA,
35(A)	S.S. MATERIAL	JINDAL STAINLESS STEEL LTD., TATA STEEL, SAIL
35(B)	S.S. HANDRAIL / RAILINGS	JINDAL STAINLESS STEEL LTD., DORMA, KICH
36	WALL PUTTY	JK, BIRLA, ASAIN PAINT
37	FLOOR HARDENER, POLYSULPHIDE SEALANT, WATERPROOFING COMPOUND, ADMIXTURES/CURING COMPOUND	SIKA, FOSROC, PIDILITE, DR FIXIT
38	EXPANSION JOINT	MIGUA, CS, CAMEO
39	METAL/ALUMINUM FALSE CEILING	SAINT GOBAIN, HUNTER DOUGLUS, ARMSTRONG
40	WPC (WOOD POLYMER COMPOSITE)	GREENPLY, CENTURY, RAJSHREE
41	AAC BLOCK ADHESIVE	ARDEX ENDURA, PIDILITE, WEBER
42	UPVC WINDOWS	FENESTA, ALUPLAST, KOENMERLING
43	VINYL / CONDUCTIVE FLOORING, DADO SKIRTING	FORBO, TARAKETT, ARMSTRONG, GERFLOOR
44	CALCIUM SILICATE TILES FALSE CEILING	AEROLITE, RAMCO, HILUX, ARMSTRONG
45	FIRE CHECK DOORS (METAL/ROLLING/GLAZED)	NAVAIR, TATA PRAVESH, SHAKTI HORMANN, 4C FIRE PROTECTION PVT LTD
46	ACOUSTIC SEAL / DOOR SEAL	LORIENT, RAVEN, DORMA, 3M, HAFELE

47	INTUMESCENT FIRE / SMOKESEAL	ASTRO FLAME, RAVEN, SEALZ, LORIENT
48	CALCIUM SILICATE BOARD FOR FIRE DOOR	PROMOTECH, PROMINA, RAMCO
49	POLYCARBONATE SHEET	DANPALON, SOLALITE, DPI SYSTEM, EVERLITE, CPI
50	GI PIPES	JINDAL HISAR, TATA, SAIL
51	GI FITTINGS	UNIK, TATA, ZOLOTO
52	CPVC PIPES	ASTRAL, PRINCE, SFMC, SUPREME
53	HDPE PIPES	SUPREME, FINOLEX, ASTRAL, RELIANCE,
54	UPVC / SOIL, WASTE, VENT PIPES & FITTINGS	ASTRAL, PRINCE, SFMC
55	C.P. BRASS FITTING AND ACESSORIES	JAQUAR, ROCA, KOHLER, KEROVIT, HINDWARE
56	SS SINK	NILKANTH, NIRALI, JAYNA
57	SANITARY WARE (URINAL, WASH BASIN, WC ETC.)	JAQUAR, GROHE, KOHLER, KEROVIT, HINDWARE
58	GLASS MOSAIC TILE	ITALIA, CORAL, KAJARIA
59	FAÇADE AND WINDOW SYSTEM	SCHUCO, ALUK, REYNAERS, GUTMANN
60	FIRE STOP IN CURTAIN WALL SYSTEM	HILTI, 3M, FISCHER, LORIENT
61	POP OUT VENT FOR FAÇADE AND SYSTEM WINDOW HARDWARE	COTSWOLD, SCHUCO, ALUK, REYNAERS
62	ALUMINIUM OPERABLE LOUVER	TECHNAL, DOMAL, YOGI GLAZE, SCHUCO
63	AIR TRANSFER GRILL	RUSKIN, SYSTEM AIR, TROX, TREMCO
64	ENGINEERED WOODEN FLOORING AND SKIRTING	MIKASA (GREENLAM), TARKETT, HAVWOODS, PARADOR (HIL), PERGO, KAHRS
65	ENGINEERED MARBLE	HR JOHNSON, KALINGA STONE, NITCO, ASIAN
66	SS TACTILE	EMINENT, FERROTECH, SUNDARAM, JINDAL
67	BAMBOODECKING, ROOFING & CLADDING	ECO GREEN FLOORING, EPITOME BAMBOOWOOD, LAMIWOOD
68	OUTDOOR SIGNAGES	3M, AVERY DENNISON, VEDAAANSHI SIGNS
69	ACOUSTIC PANELS	ARMSTRONG, USG BORAL, ANUTONE
70	WEATHER/STRUCTURE SILICON SEALANT	WACKER, MCCOY, DOW CORNING
71	BACKER ROD	SUPREME/SYSTRANS
72	POLYSTRENE BOARD	SUPREME, DOW CORNING, TEXAS, PIDILITE
73	DUCTILE IRON PIPES	ELECTROSTEEL, KESORAM, TISCO
74(A)	STAINLESS STEEL PIPES	JINDAL STAINLESS STEEL, J-PRESS, ALFA PRESS
74(B)	STAINLESS FITTINGS	DORMA, KICH, DORSET
75	SLUICE VALVES, GATE / BALL VALVES	ZOLOTO, KIRLOSKAR, LEADER

76	FURNITURE (CHAIRS/WORKSTATIONS, STORAGE UNITS ETC.)	HERMAN-MILLER, HAYWORTH, STEELCASE, DURIAN, GODREJ,
77	CENTRIFUGALLY CAST (SPUN) IRON PIPES & FITTINGS	NECO, KAPILANSH, SKF
78	BITUMEN	IOCL, BPCL, HPCL or as approved by Ministry of Petroleum, Govt. of India and holding license to use ISI certification mark for their products

Note: - The articles/ materials which are not mentioned in the above list shall be approved by the Engineer-in-Charge before execution of work.

Annexure-III

Receipt of Deposition of Original EMD

Receipt No.:

Date :

- | | | | |
|----|---------------------------------|----|---|
| 1. | Name of Work | :- | Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.). |
| 2. | NIT No. | :- | 23/EE-Ajmer/CPWD/2026-27 |
| 3. | Estimated Cost | :- | Rs. 28,66,193/- |
| 4. | Amount of Earnest Money Deposit | :- | Rs. 57,324/- |
| 5. | Last date of submission of bid | :- | Upto 17.00 Hrs. on 28/08/2026 |

- | | | | |
|----|---------------------------------|----|-------|
| 1. | Name of Contractor | :- | |
| 2. | Form of EMD | :- | |
| 3. | Amount of Earnest Money Deposit | :- | |
| 4. | Date of submission of EMD | :- | |

Signature, Name and Designation
of EMD receiving officer (EE / AE / AAO)
alongwith Office stamp

Note :-

1. The Executive Engineer of all divisions including NIT issuing division / sub-division of CPWD should receive the original EMD for tender of other division.
2. The NIT approving authority / EE at the time of issue of NIT shall also fill and upload the above prescribed format of receipt of deposition of original EMD alongwith NIT.
3. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the AE/AAO.
4. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer above deposition of EMD by the agency by email/fax/telephonically.
5. The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website www.etender.cpwd.gov.in > tender free view > advance search > awarded tenders) that the particular contractor is not L-1 tenderer and work is awarded.
6. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

Annexure-IV

FORM OF EARNEST MONEY DEPOSIT (BANK GUARANTEE BOND)

WHEREAS, contractor..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20.....

THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
 - OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,

We undertake to pay to the Engineer-in-Charge up either to the above amount or part thereof upon receipt of his first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineering-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

WITNESS

SIGNATURE OF THE BANK

SEAL

(SIGNATURE, NAME AND ADDRESS)

****Date to be worked out on the basis of validity period of 90 days for single bid works and 120 days for two bid system from last date of receipt of tender.***

FORM OF PERFORMANCE SECURITY (BANK GUARANTEE BOND)

In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between.....and (hereinafter called "the said Contractor(s)") for the work..... (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. (Rupees only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees..... Only) on demand by the Government.
2. We,(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupeesonly)
3. We, the said bank further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.
The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We, (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineering-Charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, (indicate the name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the

- said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
 7. We, (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
 8. This guarantee shall be valid up tounless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated theday offor.....(indicate the name of the Bank)

AFFIDAVIT

I / We have submitted a bank guarantee for the work

(Name of work)

Agreement No. _____

Dated _____ from _____

(Name of the Bank with full address)

to the Executive Engineer _____ with a
view _____
(Name of the Division)

to seek exemption from payment of performance guarantee in cash. This Bank guarantee expires on _____. I / We undertake to keep the validity of the bank guarantee intact by getting it extended from time to time at my / our own initiative upto a period of _____ months after the recorded date of completion of the work or as directed by the Engineer in charge.

I / We also indemnify the Government against any losses arising out of non-encashment of the bank guarantee if any.

(Deponent)
Signature of Contractor

Note : The affidavit is to be given by the Executants before a first class Magistrate.

GUARANTEE BONDS/AFFIDAVIT FOR WORK (Annexure-VI & VII)

Annexure –VI

GUARANTEE TO BE EXECUTED BY THE CONTRACTOR FOR REMOVAL OF DEFECTS
AFTER COMPLETION IN RESPECT OF WATER SUPPLY AND SANITARY INSTALLATIONS, UPVC
WINDOWS, ROCK WOOL INSULATION AND POLYURETHENE FOAM.

The agreement made this _____ day of _____ two thousand and _____ between _____ S/o _____ (hereinafter called the GUARANTOR of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

WHEREAS THIS agreement is supplementary to a contract. (Herein after called the Contract) dated _____ and made between the GUARANTOR OF THE ONE PART AND the Government of the other part, whereby the contractor inter alia, under look to render the work in the said contract recited structurally stable workmanship and use of sound materials.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said work will remain structurally stable and guarantee against faulty workmanship, finishing, manufacturing defects of materials and leakages etc.

NOW THE GUARANTOR hereby guarantee that work executed by him will remain structurally stable, after the expiry of maintenance period prescribed in the contract for the minimum life of ten years, to be reckoned from the date after the expiry of maintenance period prescribed in the contract.

The decision of the Engineer in charge with regard to nature and cause of defects shall be final.

During the period of guarantee the guarantor shall make good all defects to the satisfaction of the Engineer in charge calling upon him to rectify the defects, failing which the work shall be got done by the Department by some other contractor at the guarantor's cost and risk. The decision of the Engineer in charge as to the cost payable by the Guarantor shall be final and binding.

That if the guarantor fails to make good all the defects, commits breach there under then the guarantor will indemnify the Principal and his successor against all loss, damage cost expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and / or damage and / or cost incurred by the Government the decision of the Engineer in charge will be final and binding on the parties.

IN WITNES WHEREOF those presents have been executed by the obligator _____ and _____ by for and on behalf of the PRESIDENT OF INDIA on the day , month and year first above written.

Signed sealed and delivered by OBLIGATOR in presence of :.

1. _____
2. _____

SIGNED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA BY _____
_____ in the presence of :

1. _____
2. _____

Annexure –VII

**GUARANTEE BOND TO BE EXECUTED BY THE CONTRACTOR FOR WATER
PROOFING TREATMENT WORK**

The agreement made this _____ day of _____ two thousand and _____ between _____ S/o _____ (hereinafter called the GUARANTOR of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

WHEREAS THIS agreement is supplementary to a contract. (Herein after called the Contract) dated _____ and made between the GUARANTOR OF THE ONE PART AND the Government of the other part, whereby the contractor interalia, undertook to render the structures in the said contract the work in the said contract recited completely water and leak proof.

THE GUARANTOR hereby guarantee that the water proofing treatment given by him will render the structures completely leak proof and the minimum life of such water proofing treatment shall be ten years to be reckoned from the date after the expiry of maintenance period prescribed in the contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake or structural defects.

The decision of the Engineer in charge with regard to cause of leakage shall be final.

During the period of guarantee the guarantor shall make good all defects and in case of any defects being found render the structure water proof to the satisfaction of the Engineer in charge at his cost and shall commence the work for such rectification within seven days from the date of issue of notice from the Engineer in charge calling upon him to rectify the defects, failing which the work shall be got done by the Department through some other contractor at the guarantor's cost and risk. The decision of the Engineer in charge as to the cost payable by the Guarantor shall be final and binding.

That if the guarantor fails to execute the water proofing, or commits breach thereunder then the guarantor will indemnify the Principal and his successor against all loss, damage, cost of expenses or otherwise which may be incurred by him by reason of any of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and / or cost incurred by the Government on the decision of the Engineer in charge will be final and binding on the parties.

IN WITNES WHEREOF those presents have been executed by the obligator _____ and _____ by for and on behalf of the PRESIDENT OF INDIA on the day , month and year first above written.

Signed sealed and delivered by OBLIGATOR in presence of :.

1. _____
2. _____

SIGNED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA BY _____
_____ in the presence of :

1. _____
2. _____

SCHEDULE OF COST

Name of work:- Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)

DSR-2023

S.No.	SUB-HEADS AND ITEM OF WORK	Qty.		Net Rate (Rs.)	Unit	Amount
1	ROOFING					
1.1	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.					
1.1.1	110 mm diameter	200.00	metre	374.08	metre	74816.00
1.2	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.					
1.2.1	Coupler					
1.2.1.1	110 mm	30.00	each	134.95	each	4049.00
1.2.2	Bend 87.5°					
1.2.2.1	110 mm bend	30.00	each	149.03	each	4471.00
1.2.3	Shoe (Plain)					
1.2.3.1	110 mm Shoe	30.00	each	130.69	each	3921.00
1.3	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.					
1.3.1	110 mm	60.00	each	368.03	each	22082.00
	Sub-Total					
2	FINISHING					
2.1	Finishing walls with Acrylic Smooth exterior paint of required shade:					
2.1.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	1500.00	sqm	159.18	sqm	238770.00
2.2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1500.00	sqm	154.68	sqm	232020.00
2.3	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	1500.00	sqm	19.58	sqm	29370.00
	Sub-Total					

3	REPAIRS TO BUILDING					
3.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.					
3.1.1	With cement mortar 1:4 (1cement: 4 coarse sand)	250.00	sqm	555.57	sqm	138893.00
	Sub-Total					
4	Dismantling and Demolishing					
4.1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.					
4.1.1	In lime mortar	224.00	cum	844.00	cum	189056.00
4.2	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	224.00	cum	261.62	cum	58603.00
	Sub-Total					
5	WATER PROOFING					
5.1	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to					

	required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge":					
5.1.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	1120.00	sqm	1669.77	sqm	1870142.00
	TOTAL Rs					2866193.00



**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
O/o Executive Engineer (Ajmer),
"Opp. Collectorate Office, Civil Line Road,
Ajmer (Raj.)-305 001**



NIT No. 23/EE-Ajmer/CPWD/2026-27					
Name of Work: :- Roof Treatment for Residential Quarters(T-II,III,IV) of Narcotics Colony at Kota. (Raj.)					
Estimated cost put to Tender					Rs. 28,66,193/-
PERFORMA FOR QUOTING THE RATES					
Name of Contractor:					
Sr. No.	Name of component	Estimated cost (Rs.)	Percentage above/ below the estimated cost	% in figures	Total Cost (Rs.)
1.	Civil Work	Rs. 28,66,193/-			
	Total	Rs. 28,66,193/-			