

राजस्थान राज्य पथ परिवहन निगम, मुख्यालय

परिवहन मार्ग, जयपुर

यू.ओ. नोट

विषय:- बिड सूचना संख्या 12/2018-19 को अपलोड करने बाबत।

उपर्युक्त विषयान्तर्गत निवेदन है कि ई-टेण्डरिंग बिड की प्रति online प्रकाशनार्थ संलग्न कर भिजवाई जा रही है, जिसको निम्न वेबसाइट पर upload करवाने का श्रम करें।

1- www.transport.rajasthan.gov.in/rsrtc

2- <http://eprocc.rajasthan.gov.in>

3- www.sppp.rajasthan.gov.in

संलग्न:- उपरोक्तानुसार



(एस.के. चौधरी)
अधीक्षण अभियन्ता(निर्माण)

उप महा प्रबन्धक (आई.टी.)

रा0रा0प0प0निगम,

मुख्यालय, जयपुर।

क्रमांक:- एफ/मुख्या/निर्माण/2018/454

दिनांक :- 15-6-18

राजस्थान राज्य पथ परिवहन निगम, मुख्यालय

परिवहन मार्ग, जयपुर

बिड सूचना संख्या 12/2018-19

मुख्य कार्यालय का नाम		मुख्यालय, राजस्थान राज्य पथ परिवहन निगम, जयपुर			
कार्यालय का नाम		अधीक्षण अभियन्ता(निर्माण), राजस्थान राज्य पथ परिवहन निगम, मुख्यालय, परिवहन मार्ग, जयपुर			
क्र० सं०	कार्य का नाम	बिड की अनुमानित लागत	कुल धरोहर राशि (2 प्रतिशत)	बिड शुल्क	निर्माण अवधि
1	केन्द्रीय कार्यशाला जोधपुर का शेष निर्माण कार्य	550.00 लाख	11.00 लाख रुपये	10000.00	15 माह
2	आगार कार्यशाला जोधपुर का निर्माण कार्य	150.00 लाख	03.00 लाख रुपये	10000.00	12 माह

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परिवहन मार्ग, जयपुर

बिड सूचना संख्या 12/2018-19

निम्नलिखित निर्माण कार्य हेतु उपयुक्त श्रेणी में सा.नि.वि. राजस्थान में पंजीकृत संवेदको एवं राज्य सरकार/केन्द्र सरकार के अधिकृत संगठनो/केन्द्रीय लोक निर्माण विभाग/डाक एवं दूर संचार/रेलवे इत्यादि में पंजीकृत संवेदको से, जो राजस्थान सरकार के नियमानुसार सक्षम श्रेणी एवं उससे उच्च श्रेणी का हो, निर्धारित प्रपत्र में ई -टेण्डरिंग प्रक्रिया द्वारा ऑन लाइन बिड आमंत्रित की जाती है:-

क. सं.	कार्य का नाम	बिड की अनुमानित लागत	कुल धरोहर राशि (2 प्रतिशत)	बिड शुल्क	निर्माण अवधि	बिड प्राप्त करने का कार्यालय
1	2	3	4	5	6	7
1	केन्द्रीय कार्यशाला जोधपुर का शेष निर्माण कार्य	550.00 लाख रुपये	11.00 लाख रुपये	10000.00	15 माह	अधीक्षण अभियन्ता (निर्माण) रापनि, मुख्यालय, जयपुर
2	आगार कार्यशाला जोधपुर का निर्माण कार्य	150.00 लाख रुपये	03.00 लाख रुपये	10000.00	12 माह	अधीक्षण अभियन्ता (निर्माण) रापनि, मुख्यालय, जयपुर

बिड प्रपत्रों को वेब साईट <http://eproc.rajasthan.gov.in> से डाउनलोड किया जा सकता है। इन बिड्स में भाग लेने वाले संवेदक बिड इलेक्ट्रोनिक फारमेट में वेबसाईट <http://eproc.rajasthan.gov.in> पर जमा कराएँ।

बिड हेतु पात्र संवेदकों की श्रेणी:-

किसी भी सीमा तक "ए" श्रेणी, संवेदक/रुपये 300 लाख तक 'ए' श्रेणी, संवेदक/रुपये 150 लाख तक 'बी' श्रेणी, संवेदक/रुपये 50 लाख तक "सी" श्रेणी, संवेदक/रुपये 15.00 लाख तक "डी" श्रेणी संवेदक।

1. धरोहर राशि बिड प्रपत्र में दर्शाई गई कुल अनुमानित लागत की दो प्रतिशत होगी। धरोहर राशि एवं बिड प्रपत्र शुल्क का डिमाण्ड ड्राफ्ट वित्तीय सलाहकार, राजस्थान राज्य पथ परिवहन निगम, जयपुर के नाम से देय होगा एवं टेण्डर प्रोसेसिंग शुल्क प्रति कार्य के लिए रु. 1000/- का डिमाण्ड ड्राफ्ट एम.डी. आर.आई.एस.एल. जयपुर के नाम देय होगी।
2. बिड प्रपत्रों हेतु आवेदन/डाउनलोड की अवधि दिनांक 03.07.2018 से दिनांक 01.08.2018 को सायं 6.00 बजे तक होगी।
3. (अ) बिड प्रपत्र इलेक्ट्रोनिक फॉरमेट में वेब साईट <http://eproc.rajasthan.gov.in> पर दिनांक 03.07.2018 से दिनांक 01.08.2018 को सायं 6.00 बजे तक जमा कराये जा सकते हैं एवं

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परिवहन मार्ग, जयपुर

बिड सूचना संख्या 12/2018-19

निम्नलिखित निर्माण कार्य हेतु उपयुक्त श्रेणी में सा.नि.वि. राजस्थान में पंजीकृत संवेदको एवं राज्य सरकार/केन्द्र सरकार के अधिकृत संगठनो/केन्द्रीय लोक निर्माण विभाग/डाक एवं दूर संचार/रेलवे इत्यादि में पंजीकृत संवेदको से, जो राजस्थान सरकार के नियमानुसार सक्षम श्रेणी एवं उससे उच्च श्रेणी का हो, निर्धारित प्रपत्र में ई -टेण्डरिंग प्रक्रिया द्वारा ऑन लाइन बिड आमंत्रित की जाती है:-

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2	आगार कार्यशाला जोधपुर का निर्माण कार्य	150.00 लाख रुपये	03.00 लाख रुपये	10000.00	12 माह	अधीक्षण अभियन्ता (निर्माण) रापनि, मुख्यालय, जयपुर

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किसी भी सीमा तक "एए" श्रेणी, संवेदक/रुपये 300 लाख तक 'ए' श्रेणी, संवेदक/रुपये 150 लाख तक 'बी' श्रेणी, संवेदक/रुपये 50 लाख तक "सी" श्रेणी, संवेदक/रुपये 15.00 लाख तक "डी" श्रेणी संवेदक।

1. धरोहर राशि बिड प्रपत्र में दर्शाई गई कुल अनुमानित लागत की दो प्रतिशत होगी। धरोहर राशि एवं बिड प्रपत्र शुल्क का डिमाण्ड ड्राफ्ट वित्तीय सलाहकार, राजस्थान राज्य पथ परिवहन निगम, जयपुर के नाम से देय होगा एवं टेण्डर प्रोसेसिंग शुल्क प्रति कार्य के लिए रु. 1000/- का डिमाण्ड ड्राफ्ट एम.डी. आर.आई.एस.एल. जयपुर के नाम देय होगी।
2. बिड प्रपत्रों हेतु आवेदन/डाउनलोड की अवधि दिनांक 03.07.2018 से दिनांक 01.08.2018 को सायं 6.00 बजे तक होगी।
3. (अ) बिड प्रपत्र इलेक्ट्रॉनिक फॉरमेट में वेब साईट <http://eproc.rajasthan.gov.in> पर दिनांक 03.07.2018 से दिनांक 01.08.2018 को सायं 6.00 बजे तक जमा कराये जा सकते हैं एवं

प्राप्त बिड इलेक्ट्रॉनिक फारमेट में वेबसाईट <http://eproc.rajasthan.gov.in> पर संबंधित कार्यालय में दिनांक 02.08.2018 को सायं 3.00 बजे खोली जायेगी।

(ब) बिड जमा करवाने के बाद बिड की समस्त प्रक्रिया ऑन लाइन होगी।

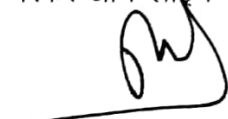
(स) बिड खोलने की तिथि को किसी कारणवश अवकाश रहता है, तो अगले दिन उसी समय बिड खोली जायेगी।

(द) रु. 100.00 लाख से कम की बिड्स की वित्तीय बिड नियमानुसार खोली जावेगी। रु. 100.00 लाख से अधिक एवं रु. 200.00 लाख तक की बिड्स के लिए पोटेन्सियल बिड पद्धति अपनायी जायेगी एवं रु. 200.00 लाख से अधिक की बिड्स के लिए पोस्ट क्वालिफिकेशन पद्धति अपनाई जायेगी, उसके अनुसार तकनीकी आंकलन में सफल बिडकर्ता की वित्तीय बिड को खालेने की सूचना बिडकर्ताओं को ई-मेल से दी जावेगी।

4. कार्यो के सम्मुख उपरोक्तानुसार वर्णित कार्यालय में संवेदक द्वारा दिनांक 03.07.2018 से दिनांक 01.08.2018 तक किसी भी कार्य दिवस में 11.00 बजे पूर्वान्हन से 4.00 बजे अपरान्ह तक देखा जा सकता है अथवा वेबसाईट <http://eproc.rajasthan.gov.in> पर भी देखा जा सकता है। बिड प्रपत्रों में बिडकर्ता के लिए योग्यता सूचना तथा बिडकर्ता की पात्रता, प्लान, स्पेसिफिकेशन, ड्राइंग विभिन्न कार्यो की मात्रा एवं दरों का विवरण, नियम, शर्तें एवं अन्य विवरण वर्णित है।
5. बिडकर्ता द्वारा बिड शुल्क/प्रोसेसिंग फीस/धरोहर राशि का डिमांड ड्राफ्ट इस कार्यालय में दिनांक 02.08.2018 तक प्रातः 11.00 बजे तक जमा कराना आवश्यक है।
6. बिड खोलने की दिनांक से 90 दिवसों तक बिड स्वीकृति हेतु मान्य (open) रहेगी। यदि बिडकर्ता उस अवधि में अपनी बिड अथवा शर्तों में किसी प्रकार का संशोधन करता है अथवा अपनी बिड वापस ले लेता है तो उसकी धरोहर राशि जब्त कर ली जावेगी। नियमानुसार दोष निवारण की अवधि कार्य पूर्णता के पश्चात् तीन वर्ष रहेगी।
7. यदि संवेदक नजदीकी रिश्तेदार (प्रथम रक्त सम्बन्धी व उनके पति/पत्नि) निर्माण शाखा में कार्यरत कर्मचारी एवं अधिकारी किसी भी स्तर पर पदस्थापित हो तो उसके कार्य पर नियुक्त करने पर प्रतिबन्ध रहेगा।
8. राज्य सरकार में किसी भी अभियांत्रिकी विभाग में किसी भी इंजीनियर अथवा इंजीनियरिंग या प्रशासनिक कार्य पर नियुक्त राजपत्रित अधिकारी राज्य सरकार की अनुमति के बिना सेवा निवृत्ति के 2 वर्ष तक संवेदक अथवा उसके कर्मचारी के रूप में कार्य नहीं कर सकेंगे। यदि संवेदक अथवा उसके कर्मचारियों में कोई ऐसा व्यक्ति जिसने राज्य सरकार की उक्त लिखित अनुमति बिड जमा कराने से पहले अथवा संवेदक के यहाँ सेवाएँ लेने से पहले अनुमति नहीं ली है तो अनुबन्ध रद्द किया जा सकेगा।
9. बिडकर्ता इन प्रपत्रों को **Download** कर सकते हैं। बिडकर्ता द्वारा धरोहर राशि, बिड शुल्क, प्रोसेसिंग फीस डिमांड ड्राफ्ट के रूप में इस कार्यालय में निर्धारित तिथि एवं समय तक जमा कराना आवश्यक है।
10. किसी भी बिड को स्वीकार करने एवं बिना कारण बतायें निरस्त करने के समस्त अधिकार सक्षम अधिकारी के पास सुरक्षित है।
11. संवेदक द्वारा उक्त कार्य के लिये निर्धारित मशीनरी जो बिड की स्पेशल कण्डीशन में वर्णित है, को स्वयं के पास होने या किराये पर लेने का प्रमाण पत्र देना होगा।
12. कार्य पूर्ण करने की अवधि में मानसून अवधि सम्मिलित है।
13. कार्य का दोष निवारण एवं उनके सुधार (डिफेक्ट लाइबिलिटी पीरियड) का उत्तरदायित्व कार्य पूर्णता के पश्चात नियमानुसार तीन वर्ष तक रहेगा।
14. बिडकर्ता द्वारा प्रस्तुत दर का दर विश्लेषण बिड के साथ ही प्रस्तुत (upload) किया जाना अनिवार्य होगा।
15. बिडकर्ता जी.एस.टी. विभाग में पंजीकृत होना आवश्यक होगा एवं जी.एस.टी. का समस्त दायित्व बिडकर्ता का ही होगा।
16. बिडकर्ता पी.एफ. विभाग(कर्मचारी भविष्य निधि संगठन) में पंजीकृत होना आवश्यक होगा।

17. ई-टेंडरिंग के लिए बिडकर्ता हेतु निर्देश :-

- (अ) इन बिड्स में दिलचस्पी लेने वाले बिडकर्ता बिड प्रपत्रों को इन्टरनेट साईट <http://eproc.rajasthan.gov.in> से डाउनलोड (Download) कर सकते हैं।
- (ब) बिड्स में भाग लेने वाले बिडकर्ताओं को इन्टरनेट साईट <http://eproc.rajasthan.gov.in> पर रजिस्टर करवाना होगा। ऑन लाइन बिड में भाग लेने के लिए डिजिटल सर्टिफिकेट इनफोरमेशन टेक्नोलॉजी एक्ट 2000 के तहत प्राप्त करना होगा जो इलेक्ट्रॉनिक बिड में साइन करने हेतु काम आयेगा। बिडकर्ता उपरोक्त डिजिटल सर्टिफिकेट सी सी ए (CCA) द्वारा स्वीकृत एजेन्सी से प्राप्त कर सकते हैं। जिन बिडकर्ताओं के पास पूर्व में वैध डिजिटल सर्टिफिकेट है, नया डिजिटल सर्टिफिकेट लेने की आवश्यकता नहीं है।
- (स) बिडकर्ताओं को बिड प्रपत्र इलेक्ट्रॉनिक फॉर्मेट में उपरोक्त वेबसाइट पर डिजिटल साइन के साथ प्रस्तुत करना होगा। जिसके प्रस्ताव डिजिटल साइन के साथ नहीं होंगे, उनके प्रस्ताव स्वीकार नहीं किये जायेंगे। कोई भी प्रस्ताव अकेले भौतिक फॉर्म में स्वीकार्य नहीं होगा।
- (द) ऑन लाइन बिड्स निर्धारित दिनांक एवं समय पर उपरोक्त क्रम संख्या 3 के अनुसार खोली जावेगी।
- (य) इलेक्ट्रॉनिक बिड प्रपत्रों को जमा कराने से पूर्व बिडकर्ता यह सुनिश्चित कर लेवें कि बिड प्रपत्रों से संबंधित सभी आवश्यक दस्तावेजों की स्कैन कॉपी बिड प्रपत्रों के साथ अटैच कर दी गयी है।
- (र) कोई भी टेंडर इलेक्ट्रॉनिकली जमा कराने में किसी कारण से लेट हो जाता है तो उसका जिम्मेदार विभाग नहीं होगा।
- (र) टेंडर के प्रपत्रों में आवश्यक सभी सूचियों को संपूर्ण रूप से भरकर ऑन लाईन दर्ज करे।



(एस.के. चौधरी)
अधीक्षण अभियन्ता(निर्माण)

TENDER DOCUMENT

FOR

**CONSTRUCTION OF REMAINING WORK CENTRAL
WORKSHOP AT JODHPUR**

VOLUME – I

GENERAL AND SPECIAL CONDITIONS OF CONTRACT

**RAJASTHAN STATE ROAD TRANSPORT CORPORATION,
HEAD OFFICE, PARIVAHAN MARG,
JAIPUR-302001**

TENDER DOCUMENTS FOR

CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

NIT No.	12 / 2018-19
Estimated cost	Rs. 550.00 Lacs
Earnest money	Rs. 11.00 Lacs
Date of sale / down loading	03.07.2018 to 01.08.2018 Upto 6.00 PM
Date of depositing tenders	03.07.2018 to 01.08.2018 Upto 6.00 PM
Date of opening of Post Qualification Bid Document	02.08.2018 on 3.00 PM
Date of Pre-Bid Conference Meeting	16.07.2018 at 11.00 AM
Date of Pre-Bid Conference Meeting Place	RSRTC, Head Office Parivahan Marg, Chomu House, Jaipur
Completion period	15 Months
Cost of Tender	Rs. 10,000/-

**RAJASTHAN STATE ROAD TRANSPORT CORPORATION,
HEAD OFFICE, PARIVAHAN MARG,
JAIPUR-302001**

IMPORTANT DATES AND OTHER INFORMATION

IMPORTANT DATES OF BIDS FOR

CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

1	Completion Period for construction	15 Months
2	Maintenance Period after construction	3 years
3	Date of Issue of Notice Inviting Bid	15.06.2018
4	Period and places of Sale/Down loading of Bidding documents	03.07.2018 to 01.08.2018 Upto 6.00 PM
5	Website	www.rsrtc.rajasthan.gov.in www.eproc.rajasthan.gov.in
6	Deadline for receiving bids	01.08.2018 Upto 6.00 PM
7	Time and Date of opening Post Qualification	02.08.2018 on 3.00 PM
8	Place of Opening Bids Address is:	RSRTC, HO, Jaipur
9	Bid validity	90 days
10	Officer Inviting Bids	SE (Civil), RSRTC, Jaipur

POST QUALIFICATION CRITERIA

Packing and Submission of Bids	E-Tenders are invited from Competent Contractors as per the Required Terms & Conditions.	
	<p>Apart from E-Bid Submission Tenderer should submit Tender Cost, Processing Fees & Earnest Money Deposit for the amount and in the manner as described above in Original Separate DDs before opening of Technical BID at the following Address:</p> <p>Financial Advisor RSRTC Parivahan Marg, Chomu House Jaipur (Rajasthan) - 302 001</p> <p>The Envelope should be marked "EMD–Envelope"</p> <p>Technical Bid Folder (E-Folder)</p> <p>The Folder should contain the following:</p>	
	a)	Letter from Tenderer, accepting all terms, conditions and technical specifications of tender
	b)	Volume – 1 of tender (NIT, Tender form, General & Special Conditions of Contract etc.) duly signed & stamped
	c)	Every Tenderer should furnish along with his tender PAN No., an income-tax and GST Certificates & brief information regarding the income-tax circle, Ward & the District in which he is assessed by income-tax, the reference No. of assessment and the assessment year, as also details of any attachments, prohibiting orders, proceedings in connection therewith
	d)	The tenderer should submit a declaration disclosing all work for which he has already entered into contract, the value of work that remains to be executed in each such contract, while submitting the tender and details of any disputes pending in respect of any such contract whether in a court or any other Forum or under discussion / negotiation with the other party to such contracts.

	e)	Every Tenderer should furnish along with his tender the GST Registration Certificate.
	f)	Certified copies of Registration Certificate (issued by the Registrar of Companies in case of Company and issued by Registrar of Firms indicating names etc., of all registered partners, in case of Partnership Firm) Partnership Deed and Power of Attorney or Memorandum and Articles of Company in case of Limited / Private Limited Companies will have to be furnished along with the tender to render the tender eligible for consideration.
	g)	PF registration with authorities
	h)	The tenderer shall submit the site organization chart organization chart with name of project in-charge, Site Engineer, Foreman and Supervisor along with, their qualification and work experience.
	i)	Tenderer shall furnish the detailed construction programme based on the mile stone chart provided in tender and incorporating the activities of other services contractors, keeping in view the provision under various clauses of contract.
	j)	The Tenderer shall submit the cash flow chart.
	k)	Detailed list of Plant & Machinery along with shuttering material proposed to be deployed at Project.
	l)	List of Sub Contractor proposed to be employed at the Project. .
	Financial Bid Folder (E-Folder) The Folder should contain the following:	
	a)	Priced bill of quantities duly e-signed
	b)	Tender drawing duly stamped and e-signed

ACCEPTANCE / REJECTION OF TENDERS:

Tenders not accompanied with the EMD in, separate envelope shall be rejected and also the tenders that are not properly filled, or have pages missing or with incorrect, inaccurate calculate or generally not complying with the conditions will be rejected.

Tenderer should quote their rates with the totals both in figures & in words (English). In case of tender where the prices of any items appear unrealistic, such a tender will be considered as unbalanced. The tender issuing authority reserves the right to call for the rate analysis in such items which are in his opinion, unbalanced and the tenderers is unable to provide satisfactory explanations. The ENGINEER / RSRTC reserve the right to disqualify such a tender without prejudice to any other right for failure on part of the tenderer.

Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount.

If the tender is made by an individual it shall be signed by him and his full name and complete address shall be given. If it is made by a partnership firm it shall be signed in the name of the firm by a partner of the firm who shall sign his own name and give the name and address of each partner of the firm and attach a copy of 'Power of Attorney' with the tender authorizing him to sign on behalf of the other partners, such power of attorney to be produced with the tender and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.

No alterations, amendments or modifications shall be made by the tenderer in the Notice Inviting Tenders, Instructions to the Contractors, Contract Form, and Conditions of the Contract, Drawings and Specification and if any such alterations are made or any special conditions attached, the tender is liable to be rejected without reference to the tenderer.

Canvassing in connection with tender is strictly prohibited and tender submitted by tenderers who resort to canvassing will be liable to rejection.

The acceptance of a tender shall rest with the OWNER (**RAJASTHAN STATE ROAD TRANSPORT CORPORATION (RSRTC)**) or their authorized representative who does not bind itself to accept the lowest tender and reserves to itself the right to reject any or all the tenders received without assigning any reason(s) whatsoever. Non-acceptance of any tender shall not make the Owner liable for compensation or damages.

At any time prior to the Tender submission date the Owner may, for any reason, whether on its own initiative or in response to a clarification requested by a tenderer amend the Tender documents by an Addendum (The “Addendum”)

The Addendum will be notified in writing to all Tenderers. Tenderers shall promptly acknowledge receipt thereof to the person issuing the NIT.

The amended clauses and not the relevant non amended clauses of the Tender Documents shall form part of the Tender Document, and that the tender document shall be construed and interpreted accordingly.

Tenders containing uncalled remarks or any additional conditions are liable to EMD forfeiture and rejection.

Period of Validity:

The tender shall remain valid for acceptance for a period of NINETY DAYS from the last date for submission of the tenders. If any tenderer withdraws his tender before the said period or makes any modifications in terms and conditions of the tender, then the Project Manager / Owner shall be entitled to forfeit the said Earnest Money Deposit / Performance Bond Guarantee by encashment / enforcement of the Bank Guarantee herein before referred to.

Inspection of Site:

Every tenderer is expected to inspect the site of the proposed work and acquaint him with the site conditions, working space available for material / fabrication yards, stores, offices and any other contractor’s facility, approaches, availability of labour & raw materials, geological and weather conditions etc. before quoting his rates. He must go through all the drawings, specifications and other tender documents. Any further clarifications in the drawings and documents can be had from the Architects at the above-mentioned address. Submission of the tender shall be deemed to be due compliance with this clause.

This notice inviting tenders will form part of the tender document and the Contract Agreement executed by the successful tenderer.

The tenderer is requested to print, sign with company’s seal, and attach the NIT with the tender.

All the tender documents submitted by the contractor are the property of the Owner and shall remain under the Owner’s ownership at all times.

For further information, Clarifications the Tenderer may contact the address mentioned below.

RAJASTHAN STATE ROAD TRANSPORT CORPORATION (RSRTC)

Civil Cell

Parivahan Marg, Chomu House

Jaipur (Rajasthan) - 302 001

Tel : 0141-2373043, 44, 51, 54, 9413385700

Fax : 0141-2374658, 2374654

E-Mail : cmd.rsrtc@gmail.com

PLACE:

DATE:

**SIGNATURE OF THE TENDERER
WITH SEAL AND ADDRESS**

SPECIAL CONDITION OF CONTRACT

1. The contractor will set up a fully equipped quality Control Laboratory at work site for regular testing of the material. He would ensure that all the testing of materials is done regularly, as per frequency prescribed in quality control manual/PWD specifications. He will depute sufficient Staff and equipments in Laboratory at his own cost as per direction of Engineer In-charge.
2. The work shall include all lead and lift to complete work in all respect.
3. The Contractor shall arrange all Men, Material and T&P to complete the work well in time.
4. The Contractor will arrange Electricity and Water at his own cost.
5. Any damage to the structure shall have to be rectified by contractor at his own cost under direction of Engineer-in-charge.
6. Work shall be carried out as per relevant PWD specification for each item and Indian Standard specification assigned for such work.
7. Kota Stone /Marble Stone/Granite stone and other building stones to be used in flooring shall be of specific size as decided by the Engineer-incharge only and of uniform colour. No extra payment is admissible for use of specific size and of uniform colour. The sample is to be got approved from Engineer-in-charge before procurement.
8. Scope of work shall include all cutting by machines in wall, floors and making the same as directed by the Engineer-in-charge.
9. The overall cleaning of site and disposal of building rubbish, surplus material etc. is to be done by contractor as directed by Engineer-in-charge.
10. The rates of Schedule-G are based on BSR **PWD Circle Jodhpur effective from 2013 for Buildings works, April, 2016 for Road Works and Electric BSR-2013**. If there is any typographical or clerical error in the nomenclature / rates, the same item with subsequent corrigendum, on which Schedule-G are based will be treated as correct.
11. The Labour engaged by the Contractor for carrying out the work shall be at own risk and cost he is bound to protect the interest of Labour right as per Laws and Rules prevailing and enforce.
12. Registration of workers shall be got done by the bidder in accordance with order No. 46/2010 dated 28.05.2010 (copy enclosed) issued by Finance Department Government of Rajasthan.

13. Steel Shuttering Plates used on work shall be in good condition. In case ply is used the same shall be new when brought to site for use in shuttering.
14. Contractor has to incase /cover the working area with 12 Feet high G.I. sheet at his own cost.
15. Work of Anti-termite Treatment shall be carried out by Liceneed/Approved personals with spray machines.
16. Contractor shall be fully responsible for provident funds, insurance etc. for workers engaged by him on the work.
17. The final bill shall be paid after receipt of NOC from mining department.
18. The drawings enclosed with the bid document are the conceptual drawing and modification may be done to suit the client requirements.
19. For any reason, if the testing is not possible in the site laboratory or Engineer considers testing to be conducted outside, the testing so required shall be done at his own cost only from at Government Engineering Colleges or at NABL accredited laboratory.
20. Mixing of cement mortar & concrete shall be done by concrete mixer with hopper only. Compaction of concrete shall be done by needle / plate vibrators. For R.M.C. work contractor is liable to ensure quality of it at plant site.
21. The contractor shall not work after the sunset and before sunrise without specific permission of the Engineer In Charge.
22. No equipment or personnel will be removed from site without permission of Engineer-in-charge.
23. The contractor shall furnish the programme of construction for execution of the work within the stipulated time schedule together with methodology of construction for each type of work and should obtain the approval of the Engineer-in-charge prior to actual commencement of work.
24. Quality control testing will be done as per PWD Specifications by the contractor himself and complete record thereof will be maintained by him. If any tests are required to be carried out in the outside laboratory or in any other laboratory, the cost of the same will be borne by the contractor. In case, it is found that the result obtained for the work done are below the prescribed standards/norms, then the contractor has to remove such defective work at his own cost. Otherwise, it shall be got removed by the Engineer-in-Charge at the risk and cost of the contractor.
25. The material collected at site and paid provisionally shall remain under the watch and ward of the contractor till it is consumed fully on the work.

26. Cement from Mini Cement Plant shall not be allowed, and the brand of cement is to be got approved from the Engineer-in-charge before execution of work.
27. All steel (Reinforcement) shall be procured from Original Producers' who manufacturer billets directly from iron ores and roll the billets to produce steel confirming to IS:1786 as per Chief Engineer, PWD Rajasthan, Jaipur circular No. CE&AS/TA-I/EE(D&T)/2016-17/D-126 dated 08.08.2016 (copy enclosed).
28. Since the printed agreement from of the Govt. Press is not available and agreement from printed from local market is used for agreement purpose of this work. However in case of any printed mistake or any other error, from the standard agreement form, the rules and conditions amended by Govt. vide No. F-3(109) FD/Exp./III/69 Part Jaipur dated 30-08-1993 and G-2(I)/Exp./III/96 dated 12-06-1997 and further amended upto 16-09-2010 by the Govt. from time to time will be applicable in this case issued upto the upto the date of issue of NIT.
29. The Contractor shall be free to use the tube well, after execution of the same within this agreement, However the electricity charges and maintenance charges of tube well shall have to be borne by the contractor. After completion of the work the tube well shall have to be handed over in good running conditions without any defect, whatsoever.
30. The Defect Liability Period (DLP) shall be **Three years** for the work executed under this agreement after its completion. Security Deposit shall be refunded after **Three Years** from the date of actual completion of the work provided the final bill has been paid in accordance with the order No. 43/2009 dated 15.09.2009 (copy enclosed) issued by Finance Department and shall be part of this agreement. During this period, the contractor shall carry out maintenance and rectifications of defects (if any) of the job at his own cost, failing which it shall be carried out at risk & cost of the contractor and expenditure so incurred shall be recoverable from the contractor.
31. Regarding refund of Security Deposit, Modified Agreement Format shall be applicable.
32. Orders No. CE(Bldg.)/DLP(Bldg. Works)/D-980 dated 12-10-2012 issued by CE (Building), PWD, Rajasthan Jaipur regarding Defect Liability period for Building Works and Special Repair of agreement. Copy of these orders is enclosed.
33. All Circulars / Standing Orders/ Office Orders issued by the Chief Engineer, PWD, Rajasthan from time to time regarding execution of work shall be binding on the Contractor.
34. The lowest successful bidder shall have to deposit additional performance security for unbalance bids, in view of letter No. CE/PWD/D&T/Cir/D-140 Dated 20.09.2016 issued by the Chief Engineer, PWD Rajasthan, Jaipur (Copy enclosed), which will be part of this agreement. The additional performance security shall be deposited by the bidder in the form of Demand Draft / Bank Guarantee of any nationalized Bank, which shall be valid for a period of extra 28 days from the completion of work. The format of Bank Guarantee is enclosed with this Bid Document.

35. The Contractor is responsible for design of RCC members and SBC test in above work which includes the submission of General Arrangement drawing for columns, beam etc. After approval of GAD he will carry out the detailed design of RCC members from the structural consultant and proof checking from the MNIT, Jaipur / Kota Engineer College / MBM Engineer College, Jodhpur. After submitting the design and bar bending schedule of RCC work. The approval will be given by the competent authority/ Engineer in charge only there after he will start the work. Contractor is responsible for engaging qualified Civil Engineer at site, **No Extra payment will be payable for the same.**
36. The contractor shall engage unskilled local labour from Rajasthan state preferably of the Jaipur district, for the execution of this work.
37. Monsoon period is included in the completion period of the work.
38. In case contracting agency fails to rectify the defects within stipulated period notified to him by the Engineer-In-Charge concerned under contract agreement, the Engineer-In-Charge shall serve a final notice for 15 days time reckoned from the date of issue of notice to rectify the defects. In case the contracting agency not responding to the notice and fails in rectification of defects the Engineer-In-Charge will get the defects removed at the risk & cost of the contracting agency. Action such as encashment of Bank Guarantee and action under enlistment rules etc. shall be also be taken against the contracting agency by the competent authority.
39. Before starting of work, contractor shall submit to the Engineer In Charge for approval a Program for execution of the work including Environmental Management Plan showing the general methods, arrangements, sequence and timing for all the activities in the works along with monthly cash flow forecast. The programme shall be updated monthly by the Contractor showing the actual progress achieved on each activity and the efforts which shall be made by him to make up for the shortfall, if any in the progress achieved and its effect on the completion period of the project, and submitted to the Engineer-In-Charge by 7th day of the succeeding month for review. (Vide circular No. SE(Road)/EE GGP-II/16/D-122 Dated 13.06.2016 issued by CE & AS, PWD Rajasthan Jaipur copy enclosed)

**GOVERNMENT OF RAJASTHAN
PUBLIC WORKS DEPARTMENT**

No. CE(Bldg.)DLP.(Bldg. Works)/D- 268
ORDER

Dated 7/10/09

In pursuance of amendment made by Finance Department (G&T Division) GoR vide circular no. 43/2009 dated 15.09.09, in PWF & AR Part- I and II regarding refund of Security Deposit (copy enclosed), Modified Agreement Format shall be applicable for all Road, Building and Bridge/ CD works having cost more than Rs. 10.00 lacs in Public Works Department with immediate effect.

2. The Defect Liability Period (DLP) for

- (a) New Road/ Building/ Bridge/ CD works, Road widening, strengthening, up-gradation,
 - (b) Renewal and special repairs of roads and
 - (c) Special repair to Building/ Bridge/ CD works
- costing more than Rs. 10.00 lacs, shall be Five Years. Special conditions in the Contract Agreement to this effect shall be as per the Annexure '1' which shall be part of modified agreement / tender document.

3. For National Highway works, the condition issued from time to time by GoR/ GoI will remain applicable.

4. This bears the approval of Govt. vide I.D. No.1233 dated 7.7.2009.

Encl:- Special Conditions of Contract
& F.D. Circular


(D.C. KATARA)

Addl. Secy. & Chief Engineer, PWD

No. CE(Bldg.)DLP(Bldg. works)D-268 Dated 7.10.09
Copy to the following for kind information / necessary action please:-

- 1. P.S. to Addl. Chief Secretary to CM, Govt. of Rajasthan, Jaipur.
- 2. Principal Secretary to CM, Govt. of Rajasthan, Jaipur.
- 3. P.S. to the Hon'ble Minister, PWD, Govt. of Rajasthan, Jaipur.
- 4. P.S. to Minister, Rural Development & Panchyat Raj, Govt. of India, New Delhi.
- 5. P.S. to Minister of State, MoRTH, Govt. of India, New Delhi.
- 6. P.S. to the Chief Secretary, Govt. of Rajasthan, Jaipur.
- 7. Principal Secretary, F.D., Govt. of Rajasthan, Jaipur.
- 8. Principal Secretary/ Secretary, PWD, Govt. of Rajasthan, Jaipur

9. Principle Secretaries/ Secretaries to GoR (All) for circulation to Organizations under their control.
10. Commissioner, Rajasthan Housing Board/ Avas Vikas Sansthan, Jaipur.
11. Commissioner, JDA Jaipur/ JoDA Jodhpur/ JNN Jaipur
12. Managing Director, RICCO Jaipur.
13. Administrator Rajasthan State Agriculture Marketing Board Jaipur
14. Chief Engineer (NH), PWD, Rajasthan, Jaipur. Please get issued the separate orders for defect liability period for road works of NHs.
15. Chief Engineer (Building/PMGSY/SS), Public Works Department, Jaipur.
16. Managing Director, RSRDCC, Jaipur with the directions to implement DLP in Building/bridge/CD work and road works with immediate effect accordingly.
17. F.A. /CAO (NH), PWD, Raj, Jaipur.
18. Chief Engineer, RHSDP, Medical Department Rajasthan, Jaipur
19. Chief Engineer, DPEP, Education Department Rajasthan, Jaipur
20. Addl. Chief Engineer, PWD Zone.....(All)
21. Superintending Engineer, PWD, Circle.....(All).
22. TA-I/ SE (R)/ BOT/ TR/ PMGSY/ NH/ Buildings/ SS
23. Executive Engineers PWD, Div.....(All)
24. ACP/Section-II/Joint L.R./DDS

Copy also for kind information to :

1. Secretary, MoRTH, Govt. of India, New Delhi.
2. Secretary, Rural Development & Panchyat Raj, Govt. of India, New Delhi.
3. Chairman, National Highways Authority of India, New Delhi.


 Addl. Secy. & Chief Engineer, PWD

**SPECIAL CONDITIONS OF CONTRACT REGARDING DEFECT
LIABILITY PERIOD FOR BUILDINGS WORKS COSTING MORE
THAN Rs. 10.00 LACS**

1. BUILDING WORK

CIVIL WORK

- 1.1 Defect liability period for Civil works shall be 3 year years reckoned from date of actual completion of the Building works. Generally following defects are covered for 3 years D.L.P.
- 1.2 Surface cracks on R.C.C. Works.
- 1.3 Cracks in masonry, walls, pillars, etc.
- 1.4 Dampness appeared on surface of wall, ceiling, floors, etc.
- 1.5 De-laminations and unevenness of surface.
- 1.6 Leakage, cracks in drainage system, dampness in sunken portions.
- 1.7 Defects in pain work, distempering, white-wash etc for example unevenness in shade peeling out flakes on the surface, etc.
- 1.8 Cracks, settlement, unevenness, opening of joints in floorings.
- 1.9 Doors, Windows and Ventilators opening and closing are not smooth. Fittings and fixtures are not functioning smoothly.
- 1.10 Steel fabrication works not functioning smoothly.
- 1.11 Leakage/chocking in pipelines, taps, valves, showers, wash basin, etc. Sanitary-ware fittings not functioning smoothly.
- 1.12 External services for storm water, sewerage, rain water harvesting system not functioning properly.

In addition to the above, any defects identified by the user and/or Engineer-in-charge shall be rectified by the contracting agency within notified period assigned by the Engineer-in-charge.

Electrical Works : -

- 1.13 The defect liability under DLP for 3 years shall be from the date of its completion of the work reckoned by the Engineer-in-charge.

1.14 The defects shall be in case of non-functioning of the following items:

Internal and External wiring, panels, cables. LT installation from distribution board to end use points, MCBs, DBs, ELCBs, earthing, Switches, sockets, distribution panels, panel switchgears, panel instruments, panel MCBs, bus bars, cable trenching, Lugs, connecting wire and any other items specified under the contract.

1.15 Repair & Replacement - The items covered under defect liability period shall be replaced and/or repaired as directed by the Engineer-in-charge.

1.16 Time period for repair / replacement - The Engineer-in-charge soon after defect arises shall notify to the contracting agency and/or his authorized representative on phone and in writing for rectification of the defect within the prescribed period which may be in hours/days and depends on the gravity and severity of defect.

1.17 Consumable Articles - Consumable Articles like tube rods, CFL, Bulbs, HT fuses, Batteries, Gas filling will be replaced by the client department or user department at their own cost and arrangement.

1.18 Other items:

1. DG set including fitting and fixtures.
2. Lifts and Escalators
3. Air cooling / Air conditioning / Heating System.
4. Fire fighting system.
5. CCTV, EPABX
6. Security system equipments.
7. Electric Motors Pumps.

In additions to the above items the engineer-in-charge may add more items as per the nature of work which seems to be covered under 3 - year guarantee from the date of commissioning.

2. General

2.1 Inspection of works during Defect Liability Period :

2.1.1 The contracting agency shall undertake joint detailed inspection along with Engineer-in-charge / A.En., at least once in three months in case of all Road/Bridge/C.D.works. The Engineer-In-Charge can reduce this frequency in case of emergency. The Contracting agency shall forward to the Engineer-In-charge the record of inspection and rectification within 15 days after the joints inspection. The Contracting agency shall pay particular attention on those road sections, which are likely to be damaged during rainy season.

- 2.1.2 One register has to be maintained by every A.EN for recording the inspection details of works in his jurisdiction under defect liability period.

2.2 Conditions Regarding Security Deposit

2.2.1 Security for DLP

The contracting agency shall have to furnish security deposit in the form of Bank Guarantee for DLP as per requirements of clause 37 (c) of Contract Agreement, valid from the date of completion, which shall be assigned by the Engineer-In-Charge.

2.2.2 Forfeiture of SD

In case contracting agency fails to rectify the defects within stipulated period notified to him by the Engineer-In-Charge concerned under contract agreement, the Engineer-in-charge, shall serve a final notice for 15 days time reckoned from the date of issue of notice to rectify the defects. In case the contracting agency not responding to the notice and fails in rectification of defects the Engineer-in-Charge will get the defects removed at the risk and cost of the contracting agency. Action such as encashment of Bank Guarantee and action under enlistment rules etc. shall also be taken against the contracting agency by the competent authority.

2.2.3 Force Majeure

The defect arises due to earthquake, cyclone, and natural calamities shall not be the responsibility of contracting agency.

Signature of the Contractor

OFFICE OF THE CHIEF ENGINEER, P.W.D., RAJASTHAN, JAIPUR.

No. CE(Bldg)/DLP(Bldg Works)/D-

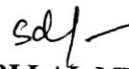
Date: .10.2012

Office order

In partial modification to the Order no. CE(Bldg)/DLP(Bldg Works)/D-837 dated 10.09.2012, the Defect Liability Period (DLP) for New Building works and Special Repair to Building works shall be **Three Years** for the defects pertaining to Building Structure and other civil works. Special conditions in the Contract Agreement to this effect shall be as per Annexure '1' which shall be part of the modified agreement / tender document.

This bears the approval of Govt. ID No. 1664/M/PWD/12 dated 09.10.2012. This order shall be effective from date of issue.

Encl:-Special Conditions of Contract


(HAZARI LAL MEENA)
Chief Engineer Cum Addl. Secy.,
PWD, Rajasthan Jaipur

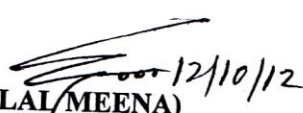
Date: 12.10.2012

No. CE(Bldg)/DLP(Bldg Works)/D-

980

Copy submitted/ forwarded to the following for information and necessary action:-

1. P.S. to Pr. Secretary to CM, Govt. of Rajasthan, Jaipur.
2. P.S. to Hon'ble Minister, PWD, Govt. of Rajasthan, Jaipur.
3. P.S. to Hon'ble State Minister, PWD, Govt. of Rajasthan, Jaipur.
4. D.S. to Chief Secretary, Govt. of Rajasthan, Jaipur.
5. P.S. to Principal Secretary, F.D., Govt. of Rajasthan, Jaipur.
6. P.S. to Principal Secretary, PWD, Govt. of Rajasthan, Jaipur.
7. Pr.Secy./Secretaries to GoR (All) for circulation to Organizations under their control..
8. P.S. to Secretary, PWD, Govt. of Rajasthan, Jaipur
9. Commissioner, Rajasthani Housing Board/Avas Vikas Sansthan, Jaipur.
10. Commissioner JDA Jaipur/JoDA Jodhpur/JNN Jaipur.
11. Managing Director, RICCO Jaipur.
12. Administrator, RSAMB, Jaipur.
13. Chief Engineer----- (All).
14. Managing Director, RSRDCC Jaipur with the direction to implement DLP accordingly.
15. FA, PWD Rajasthan, Jaipur
16. Addl Chief Engineer PWD Zone _____ (All).
17. Chief Engineer, RHSDP, Medical Department Rajasthan, Jaipur.
18. Chief Engineer, DPEP, Education Department Rajasthan, Jaipur.
19. Superintending Engineer, PWD, Circle-..... (All).
20. TA-I/SE (Roads)/BOT/TR/PMGSY/NH/Buildings/SS.
21. Executive Engineer, PWD, Dn.-..... (All).
22. ACP/Section-II/Joint L.R./DDS.
23. President, Contractor Association, Jaipur.


(HAZARI LAL MEENA)
Chief Engineer Cum Addl. Secy.,
PWD, Rajasthan Jaipur

Revised Order

OFFICE OF THE CHIEF ENGINEER, P.W.D., RAJASTHAN, JAIPUR.

No. CE(Bldg)/DLP(Bldg Works)/D- 837

Date: 10.09.2012

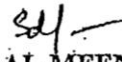
Office order

In partial amendment to the Order no. CE(Bldg)/DLP(Bldg Works)/D-268 dated 07.10.2009, the Defect Liability Period (DLP) for New Building works and Special Repair to Building works costing more than Rs. 10.00 lacs shall be as follows

- a) **Two Years** from the date of actual completion of the building for the defects pertaining to Sanitary Works, Electrical Works, Joinery Works and Painting Works.
- b) **Five Years** for the defects pertaining to Building Structure and other civil works.

Further, 20% of the Bank Guarantee may be refunded / released after two years of the actual completion of the building.

This bears the approval of FD ID No. 101203014 dated 05.09.2012. This order shall be effective from date of issue.

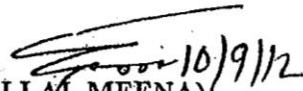

(HAZARI LAL MEENA)
Chief Engineer Cum Addl. Secy.,
PWD, Rajasthan Jaipur

No. CE(Bldg)/DLP(Bldg Works)/D- 837.

Date: 10.09.2012

Copy submitted/ forwarded to the following for information and necessary action:-

1. P.S. to Pr. Secretary to CM, Govt. of Rajasthan, Jaipur.
2. P.S. to Hon'ble Minister, PWD, Govt. of Rajasthan, Jaipur.
3. P.S. to Hon'ble State Minister, PWD, Govt. of Rajasthan, Jaipur.
4. D.S. to Chief Secretary, Govt. of Rajasthan, Jaipur.
5. P.S. to Principal Secretary, F.D., Govt. of Rajasthan, Jaipur.
6. P.S. to Principal Secretary, PWD, Govt. of Rajasthan, Jaipur.
7. Pr.Secy./Secretaries to GoR (All) for circulation to Organizations under their control..
8. P.S. to Secretary, PWD, Govt. of Rajasthan, Jaipur
9. Commissioner, Rajasthan Housing Board/Avas Vikas Sansthan, Jaipur.
10. Commissioner JDA Jaipur/JoDA Jodhpur/JNN Jaipur.
11. Managing Director, RICCO Jaipur.
12. Administrator, RSAMB, Jaipur.
13. Chief Engineer----(All).
14. Managing Director, RSRDCC Jaipur with the direction to implement DLP accordingly.
15. FA, PWD Rajasthan, Jaipur
16. Addl Chief Engineer PWD Zone (All).
17. Chief Engineer, RHSDP, Medical Department Rajasthan, Jaipur.
18. Chief Engineer, DPEP, Education Department Rajasthan, Jaipur.
19. Superintending Engineer, PWD, Circle.....(All).
20. TA-I/SE (Roads)/BOT/TR/PMGSY/NH/Buildings/SS.
21. Executive Engineer, PWD, Dn.....(All).
22. ACP/Section-II/Joint L.R./DDS.
23. President, Contractor Association, Jaipur.


(HAZARI LAL MEENA)
Chief Engineer Cum Addl. Secy.,
PWD, Rajasthan Jaipur

OFFICE OF THE CHIEF ENGINEER, P.W.D. RAJASTHAN, JAIPUR

No. CE/PWD/D&T/Cir./D - 140

Dated : 20.09.16

CIRCULAR

Sub : Additional performance security on un-balanced bids.

A Bid is to be considered un- balanced if the Bid price offered by the bidder is more than 10% lower than the cost worked out as per market rate analysis . For the purpose of determination of additional performance security, current BSR rates shall be considered as the market rates. If the BSR is not revised for the Current Financial Year then only the market rate analysis is required and it should be uploaded on site before Bid receipt date in accordance with RTPP rules.

If "X" is the scheduled / market price of the work, then additional performance security shall be equal to :-

0.9 X – Bid amount (Point nine multiplied by X minus Bid amount).

The additional performance security will be refundable after satisfactory completion of the work. This Order will be applicable from the date of issue both on Building as well as Road works under taken by the department. It bears approval of Govt. vide MR No.5000/M/PWD/2016 dated 19.09.2016.

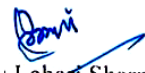


(Shiv Lahari Sharma)

**Chief Engineer & Addl. Secy.,
PWD Rajasthan, Jaipur**

Copy forwarded to the following for information and necessary action Please:-

1. PS to Addl. Chief Secretary , PWD Rajasthan, Jaipur.
2. PS to Secretary , PWD Rajasthan, Jaipur.
3. Chief Engineer PMGSY/NH/Bldg./QC/SS PWD Jaipur.
4. Addl. Chief Engineer PWD Zone.....(All).
5. Superintending Engineer PWD Circle.....(All).
6. Executive Engineer ,PWD Dn.(All).
7. TA-I/SE(R)/Bldg./SS/QC/NH/PMGSY, PWD CE's Office Jaipur.



(Shiv Lahari Sharma)

**Chief Engineer & Addl. Secy.,
PWD Rajasthan, Jaipur**

OFFICE OF THE CHIEF ENGINEER, P.W.D. RAJASTHAN, JAIPUR

No. CE/PWD/D&T/Cir./D- 123

Date : 27.9.17

CIRCULAR

Sub: Additional performance security on un-balanced bids.

A Bid is to be considered un-balanced if the Bid price offered by the bidder is more than 10% lower than the cost worked out as per market rate analysis. For the purpose of determination of additional performance security, current BSR rates shall be considered as the market rates. If the BSR is not revised for the Current Financial Year then only the market rate analysis is required and it should be uploaded on site before Bid receipt date in accordance with RTPP rules.

If "X" is the scheduled/market price of the work, then additional performance security shall be equal to :-

$$(0.9 \times \text{Bid Amount}) \times 0.4$$

[(Point nine multiplied by X minus Bid amount) multiplied by point four].

The additional performance security will be refundable after satisfactory completion of the work. This Order will be applicable from the date of issue both on Building as well as Road works under taken by the department. It bears approval of Administrative Department.

This order supersedes the previous order no. CE/PWD/D&T/Cir./D-140 Dated 20.09.2016

sd
(JITENDRA MAL MEHTA)
Chief Engineer & Addl. Secy.,
PWD Rajasthan, Jaipur

Copy forwarded to the following for information and necessary action Please:-

1. PS to Hon'ble Public Works Minister, Govt. Of Rajasthan, Jaipur.
2. PS to Principal Secretary, PWD Rajasthan, Jaipur.
3. PS to Secretary, PWD Rajasthan, Jaipur.
4. Chief Engineer PMGSY/NH/Bldg./QC/SS PWD Jaipur.
5. Addl. Chief Engineer PWD zone.....(All).
6. Superintending Engineer PWD Circle.....(All).
7. Executive Engineer, PWD Dn.....(All).
8. TA-I/SE(R)/Bldg./SS/QC/NH/PMGSY, PWD CE's Office Jaipur.


(JITENDRA MAL MEHTA)
Chief Engineer & Addl. Secy.,
PWD Rajasthan, Jaipur

कार्यालय मुख्य अभियन्ता, सार्वजनिक निर्माण विभाग, राजस्थान, जयपुर।


क्रमांक :- एफ.28(जन/विविध/अनु-3/डी - 1999

दिनांक :- 8-12-09

कार्यालय आदेश

सार्वजनिक निर्माण विभाग में प्राप्त हो रही निविदाओं की दरों का बाजार दरों के संदर्भ में आंकलन हेतु पूर्व में जारी आदेश क्रमांक एफ.28 (जन/विविध)/अनु-3/डी 1981 दिनांक 01.12.2009 में आंशिक संशोधन करते हुये यह निर्णय लिया जाता है कि विभाग में प्राप्त होने वाली रूपये 150 लाख व अधिक राशि की निविदाओं के साथ संवेदको को रेट एनेलिसिस प्रस्तुत करना अनिवार्य होगा। अतः उक्त निर्णय की अनुपालना हेतु आवश्यक निर्देश सभी कार्यों के निविदा प्रपत्रों की Special Conditions में सम्मिलित किये जावें।

यह आदेश तुरन्त प्रभाव से लागू होंगे।



मुख्य अभियन्ता एवं अति.सचिव
सा.नि.वि.राजस्थान,जयपुर

क्रमांक :- एफ.28(जन/विविध/अनु-3/डी

दिनांक :-

प्रतिलिपि निम्नांकित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है :-

1. निजी सचिव,माननीय मंत्री महोदय,सा.नि.वि.राज.जयपुर।
2. प्रमुख शासन सचिव, सा.नि.वि.राजस्थान,जयपुर।
3. शासन सचिव,सा.नि.वि.राजस्थान,जयपुर।
4. मुख्य अभियन्ता(भवन)/एन.एच./पी.एम.जी.एस.वाई/एस.एस. सा.नि.वि.राजस्थान,जयपुर।
5. वित्तीय सलाहकार/मुख्य लेखाधिकारी(एन.एच.) सा.नि.वि.राजस्थान,जयपुर।
6. अतिरिक्त मुख्य अभियन्ता(समस्त).....सा.नि.वि.राजस्थान,जयपुर।
7. अधीक्षण अभियन्ता,(समस्त)..... सा.नि.वि.राजस्थान,जयपुर।
8. अधिशाषी अभियन्ता,(समस्त)..... सा.नि.वि.राजस्थान,जयपुर।


मुख्य अभियन्ता एवं अति.सचिव
सा.नि.वि.,राजस्थान,,जयपुर

GOVERNMENT OF RAJASTHAN
FINANCE DEPARTMENT
(G&T DIVISION)

No. F.2(4)FD/PWF&AR/99 Part-II

Jaipur, dated: 15.09.2009
Circular No.: 43/2009

ORDER

The Governor has been pleased to order that the following amendments shall be made in Public Works Financial & Accounts Rules:-

1. The existing Note 1 (d) of Rule 597 of PWF&AR Part-I shall be substituted as under :
“(d) Original works/special repairs works : Security deposit will be refunded six months after completion, or expiry of one full rainy season, or after expiry of defect liability period as decided by the concerned Administrative Department, whichever is later provided the final bill has been paid.”
2. After the Note 1 (d) as above, a new item (e) shall be added as under :-
“(e) In case of PWD original works/special repairs works costing more than Rs. 10.00 lacs, partial amount of Security Deposit will be refunded during the defect liability period @ 10% of SD amount after lapse of one year of completion and there after 10% of original amount of SD at the end of each subsequent year. The remaining amount of SD be refunded after the expiry of defect liability period.”
3. The existing Clause 37(d) of "Conditions of Contract" in Appendix XI of PWF&AR Part-II shall be substituted as under :-
“(d) Original works/special repairs works : Security deposit will be refunded six months after completion, or expiry of one full rainy season, or after expiry of defect liability period as defined in the special condition of agreement, whichever is later provided the final bill has been paid.”
4. After the Clause 37 (d) as above, a new item (e) shall be added as under :-
“(e) In case of PWD original works/special repairs works costing more than Rs. 10.00 lacs, partial amount of Security Deposit will be refunded during the defect liability period @ 10% of SD amount after lapse of one year of completion and there after 10% of original amount of SD at the end of each subsequent year. The remaining amount of SD be refunded after the expiry of defect liability period.”

By Order .



(G.D. Vyas)

Officer on Special Duty

—2—

Copy forwarded for information and necessary action to the following:

1. The Accountant General (Audit/A&E) Rajasthan, Jaipur.
2. The Principal Secretary/Secretary, PWD/PHED/Irrigation/IGNP/CAD/Forest/Water Resources Department.
3. Chairman, RSBCC/RHB/Administrator, Agriculture Marketing Board.
4. The Area Development Commissioner, Bikaner/Kota.
5. The Chief Engineer, PWD/Irrigation/PHED/IGNP, Bikaner and Jaisalmer/CAD(IGNP) Bikaner/CAD(Chambal Kota/Mahi Project/Bisalpur Project/Sidhmukh Nohar Project/Hanumangarh(North)CE,PHED, (PMC Project) Churu.
6. All Sections of Finance Department.
7. Director, Treasury & Accounts/Inspection/Local Fund Audit Department, Vitta Bhawan, Jaipur.
8. The Financial Advisor/Chief Accounts Officer, RWSSMB/ PWD/Irrigation/PHED/IGNB/IGNP Bikaner/CAD(IGNP)/Sidhmukh Nohar Project/Hanumangarh/Bisalpur Project, Jaipur.
9. Admn.Reforms Department.
10. Guard File.


Sr.Accounts Officer



मनोहर कांत
आई.एस.

Principal Secretary
Labour, Employment & Technical Education (Training)

प्रमुख सचिव
श्रम, नियोजन एवं तकनीकी शिक्षा (प्रशिक्षण) विभाग
Government of Rajasthan, राजस्थान सरकार
Phone : +91-141-2227811

D.O. letter no. F. (8) (1) म.स.नि./I.R.P. no.
Dated 17.5.2010

My dear Atul ji,

The Building and Other Construction Workers' (Regulation of Employment and Condition of Service) Act, 1996 was enacted to regulate the employment and condition of service of the workers who are engaged in building and other construction works and to provide for their safety, help and welfare measures. The said Act of 1996, *inter alia*, provides for constitutions welfare Boards to draft and implement welfare schemes for the workers on different subjects. It also provides registration of employers (Establishments and contractors) and beneficiaries (workers).

You might be knowing that there is an act, which has attracted special attention of Hon'ble Chief Minister, Chief Secretary and Principal Secretary, Finance, etc. We need not to mention in at the implementation of the Act is going to be discussed and reviewed at state level in the near future too.

With a view of augmenting the resources of the welfare Board constituted under the Act of 1996, a separate corresponding Act, named "The Building and Other Construction Workers' Welfare Cess Act, 1996" was also enacted to provide for the levy and collection of cess on the cost of construction incurred by the employers. The cess Act, *inter alia*, provides furnishing of returns by the employer to assessing officer, assessment of cess, penalty for non-payment of cess and recovery of amount due under the Act.

Section 3(1) of Cess Act provides for levy of Cess at the rate prescribed by the Central Government. The ministry of labour Govt. of India has notified the Cess rate vide its notification dated 19.9.96. The Labour Department has appointed "Assessing Officers and Cess Collectors" by notification dated 14.7.2009. The Cess Act also provides:

- (i) Where the levy of cess pertains to construction work of a Govt. or Public Sector Unit (PSU), such Govt. or PSU shall deduct or cause to be deducted the Cess payable from the bills paid for such works.
- (ii) Where the approval of construction work by a local authority is required, every application for such a approval shall be accompanied

by a DD for an amount of Cess payable on the estimated cost of construction.

- (iii) In other cases, an employer may pay amount of Cess in advance on the estimated cost of construction with the notice of the commencement of work.


Thus, the collected Cess shall be transferred by the Govt. offices, PSUs, local authorities or cess collectors to the Board in prescribed revenue head within 30 days of its collection along with the challan.

I call your attention to inform you that a writ petition (civil) no. 318/ 2006 National campaign committee. CL Labour v. Union of India & ors. is subjudice before the Hon'ble Supreme Court regarding non-implementation of the said Acts in the States and the State Govt. has to submit its affidavit before the Hon'ble SC in terms of implementation of the said Acts in the State.

Hence, you're requested to extent your full cooperation for convening frequent meetings of the concern departments, PSUs, local authorities, builders and contractors related to building and other constructions works of your division to motivate and sensitize them regarding their responsibilities for registration of establishments and beneficiaries, deduction, collection and transfer of Cess to the Board in revenue heads, so that the proper implementation of the above Acts may be carried out and the respective progress to the Hon'ble SC may also be apprised accordingly. Your early and practical suggestions are welcomed.

With regards.

Yours sincerely,


(Manohar Kant)

Shri Atul Sharma, IAS,
Divisional Commissioner,
Ajmer (Raj.).

OFFICE OF THE CHIEF ENGINEER, P.W.D., RAJASTHAN, JAIPUR.

No.: CE&AS/TA-I/EE(D&T)/2016-17/D-126

Dated: 08.08.2016

Circular

Circular no. मु.अ./अ.अ.(भवन)/डी-577 दिनांक 20.07.2012 and मु.अ./अ.अ.(भवन)/डी-1488 दिनांक 21.01.2013 issued earlier vide this office regarding use of steel for PWD works are hereby withdrawn.

As per specification for Road and Bridge works of MoRTH fifth revision April 2013, Clause 1009.3.1 (Reinforcing Bars) for PWD works *all steel shall be procured from 'Original Producers' who manufacture billets directly from iron ores and roll the billets to produce steel conforming to IS:1786. No rerolled steel shall be incorporated in the works. However, in case the original producers give certificate that they are unable to supply the steel within the required time period or that they are not producing bars of the required diameter, the Engineer may allow the procurement of steel from other suppliers, provided that the reinforcement is manufactured from billets procured from the original producers. In such cases, the manufacturer's certificate alone shall not be considered as sufficient and the steel shall be got tested by the Engineer in the NABL accredited laboratories only, as a third party check. It shall be ensured that all the test results conform to IS:1786 requirements. Only new steel shall be delivered to the site. Every bar shall be inspected before assembling on the work and defective, brittle or burnt bars shall be discarded. Bars with cracked ends shall be discarded.*

The definition of original producer as mentioned in clause 1009.3.1 of fifth revision of MoRTH shall be provided in all future contracts and concession agreements. This shall be applicable for all building & road works executed by Public Works Department of Rajasthan.

(Shiv Lahri Sharma)

Chief Engineer & Addl. Secretary,
PWD, Rajasthan Jaipur.

No.: CE&AS/TA-I/EE(D&T)/2016-17/D-126

Dated: 08.08.2016

Copy to following for information and necessary action please:-

1. P. S. to Hon'ble Minister, PWD, Govt. of Rajasthan, Jaipur.
2. P. S. to Addl. Chief Secretary to Govt. PWD, Rajasthan, Jaipur.
3. P. S. to Secretary to Govt. PWD Rajasthan, Jaipur.
4. Chief Engineer cum Addl. Secy. PWD Rajasthan. Jaipur.
5. Chief Engineer NH/Road/ Building/SS/PMGSY/QC PWD Raj. Jaipur
6. MD, RSRDCC Ltd. Jhalana Doongri, Jaipur
7. Financial Advisor, PWD, Rajasthan, Jaipur.
8. Addl. Chief Engineer, PWD, Zone All.
9. Superintending Engineer, PWD, Circle All.
10. Executive Engineer, PWD, Division All..

Supdt. Engineer cum TA-I
PWD, Rajasthan Jaipur.

Office of the Chief Engineer (SS) PWD Rajasthan , Jaipur

No. **SECSS/OC/D-134**

Date **19/7/2011**

Additional Chief Engineer

PWD Zone(All)

Sub : Establishment / Verification of field Laboratory

Sir,

It has been directed several times through various reference from this office to ensure that field laboratory is properly established before start the work and the same is verified by concern Executive Engineer Quality Control . The availability of required equipments / technical staff was also to be ensured and reported in format A to D meant for ensuring quality control on work .


It is however, observed during inspections that field laboratories are not being established , if established the required equipments / technical staff is not available and in many cases available equipments are not fully functional / utilised .

During recent inspection from 13th to 16th July, 2011 of many works of Ajmer & Udaipur Zones had to be stopped for want of fully functional laboratory at the site.

You are therefore directed once again to kindly ensure Establishment of field labs with required equipments / technical staff and Verification of the same by Executive Engineer Quality Control before start of the work . A copy of list required equipments / technical staff for field as well as district labs for road and building is enclosed again for your ready reference please.

Missing equipments in the district laboratories be procured using 1 % provision for quality control in sanctioned estimates .

Enclosure (s) : As



Chief Engineer (SS)
PWD Rajasthan, Jaipur

No. **SECSS/OC/D-134**

Date : **19/7/2011**

Copy submitted / Forwarded to following for information & necessary action

1. PS to Hon'ble PWM, G.O.K., Jaipur.
2. PS to Principal Secretary, PWD Rajasthan , Jaipur
3. PS to Secretary , PWD Rajasthan , Jaipur
4. Chief Engineer & Addl. Secretary , PWD Rajasthan , Jaipur
5. Chief Engineer (NH/ PMGSY / Road) PWD Rajasthan , Jaipur
6. Superintending Engineer , PWD Circle(All)
7. Superintending Engineer (SS), PWD Rajasthan , Jaipur
8. Executive Engineer PWD Division (All)
9. Executive Engineer Quality Control Division (All)


Chief Engineer (SS)

VERIFICATION OF FIELD LABORATORY

1. Name of Work :
2. Name of Agency :
3. Stipulated Date of Commencement :
4. Date of Establishment of Field Lab :
5. Location of Field Lab :
6. Date of Verification :

7. STATUS OF TECHNICAL STAFF

S. No.	Requirement	Availability of Site (Name)
1.	Engineer (1 No.)
2.	Technical Assistant (2 Nos.)

S. No.	Item	Minimum Nos. Required	Source of availability (owned/ leased)
(A)	ROAD WORK		
a	Smooth	1 No.	
b	Truck/Tractor/Dumpers	2 Nos.	
c	Bitumen boiler with sprayer	1 No.	
d	Hot mix plant	1 No.	
e	Paver finisher electronic sensor	1 No.	
f	J.C.B.	1 No.	
g	Vibrator Roller	1 No.	
h	Tipper 8-10 Tonnes	1 No.	
(B)	BUILDING WORKS		
a	C.C. mixer capacity (10/7) with hopper)	2 Nos.	
b	Needle vibrator	6 Nos.	
c	Plate Vibrator	4 Nos.	
d	J.C.B.	1 No.	
e	Tractor/ Tipper	3 Nos.	
f	Weigh Batcher	2 Nos.	
g	Shuttering Material (Steel)	4000 Sqm	
(C)	For Q.C. Testing Equipments		
1.	Concrete Mould with tamping rod 150x150x150 mm	12 (Twelve)	
2.	Mortar Mould with tamping rod 50x50x50 mm	15 (Fifteen)	
3.	Compressive testing machine 5 Ton capacity	01 (One)	
4.	Compressive testing machine 100 Ton capacity	01 (One)	
5.	Sieve Set 100-4.75 mm	01 (One)	
6.	Bras sieve set 4.75-0.075mm	01 (One)	
7.	Electronic balance 2 kg capacity with 0.5 gram least count	01 (One)	
8.	Electronic balance 30 kg capacity with 1.00 gram least count	01 (One)	
9.	Slump Apparatus	01 (One)	
10.	Test Trays	12 (Twelve)	
11.	Impact Machine	01 (One)	
12.	Vicate apparatus for cement test complete	01 (One)	
13.	Mould for 50 Sqcm for cement test	06 (Six)	
14.	Vibrating machine for cement test	01 (One)	
15.	Cone Penetrometer for L.L.	01 (One)	
16.	Infrared Moisture meter	01 (One)	

**GOVERNMENT OF RAJASTHAN
FINANCE DEPARTMENT
(General Financial & Accounts Rules)**

No.F.1(1)FD/GF&AR/2007

Jaipur, dated: 30-09-2011
Circular No.: 19/2011

ORDER

Government of Rajasthan has decided to implement e-Procurement System for bringing transparency in day to day working of the State. In order to implement the e-procurement system, it has been decided to avail the services of RajCOMP Info Services Ltd. (RISL) for following activities :

1. To arrange/provide training to officers/officials of departments/PSUs and bidders/contractors/vendors for implementation of e-Procurement software.
2. To extend Facility Management Services for implementation of e-Procurement software which includes providing support in e-tendering to bidders/contractors/vendors as well as officers/officials of departments/PSUs.
3. To arrange Digital Signatures as per requirement to officers/officials of departments/PSUs and bidders/contractors/vendors.
4. To provide call centre and help desk services.

For providing the above services, following charges will be payable to RISL :-

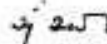
S.No.	Particulars	Charges
1.	To extend Facility Management Services for implementation of e-Procurement software which includes providing support in e-tendering to bidders/contractors/vendors as well as officers/officials of departments/PSUs.	<p>1. If tender value is less than Rs. 50.00 lacs, charges will be Rs. 500/- per bidder per tender.</p> <p>2. If Tender value is Rs. 50.00 lacs or more, charges will be Rs. 1,000/- per bidder per tender.</p> <p>Note : The above charges will be collected additionally in the form of Demand Draft (DD)/Bankers Cheque (BC) in the name of Managing Director, RISL payable at Jaipur along with prescribed tender fee from the bidders.</p>
2.	To arrange Digital Signatures as per requirement to officers/officials of departments/PSUs and bidders/contractors/vendors.	<p>Charges for arranging/organising Digital Signature along with training will be Rs. 300/- per Digital signature. The cost of digital signature will be extra depending upon the class and type of the digital signature.</p> <p>Note :</p> <p>1. The cost plus charges for the Officers/Officials of Government Department will be borne by DoIT&C from e-Procurement Project Budget head and for PSU officers/officials cost plus charges will be borne by the respective PSU/Institutions, whereas, for bidders, it will be borne by them.</p> <p>2. All Departments/PSUs/Institutions/ Bidders will have to submit individual application in</p>

GFRRULES

		respect of each signature in the prescribed format for availing digital signature along with photograph and Photo ID proof along with DD/BC. In case of Government Officers/ Officials, the request shall be made through DoIT&C, where in case of PSU/Institutions; it shall be made through an authorised officer along with Advance DD/BC. Bidders shall submit the request directly to RISL along with requisite fees in the form of DD/BC in the name of Managing Director RISL , payable at Jaipur.
--	--	--

RISL will open a separate account for the project and will submit quarterly details of Income and Expenditure under this project to Finance Department.

By Order,



(Sanjay Malhotra)
Finance Secretary (Budget)

Copy forwarded for information and necessary action to:

1. S.A. to Governor/C.M./All Ministers/State Ministers,
2. P.S. to Chief Secretary/Addl.Chief Secretaries,
3. P.S. to Principal Secretaries/Secretaries/Special Secretaries,
4. Secretary, Rajasthan Legislative Assembly, Jaipur,
5. Secretary, Lokayukta Sachivalaya, Jaipur,
6. Secretary, Rajasthan Public Service Commission, Ajmer,
7. Registrar, Rajasthan High Court, Jodhpur/Jaipur,
8. Accountant General (Civil & Acctt.) Rajasthan, Jaipur,
9. Accountant General (Receipt & C&E) Rajasthan, Jaipur,
10. Registrar, Rajasthan Civil Service Appellate Tribunal, Jaipur,
11. All OSD/Deputy Secretaries/ Sections of the Secretariat,
12. All Heads of the Departments/All Collectors/Divisional Commissioners,
13. Director, Treasuries and Accounts, Rajasthan, Jaipur,
14. All Treasury Officers,
15. Administrative Reforms (Codification) Department (with spare copy),
16. Vidya Rachana Sangthan for Hindi translation,
17. ~~Analyst cum programmer~~, Finance Department. He is requested kindly publish this circular on FD Website.

System Analyst


(Urmila Joshi)

Officer on Special Duty

**GOVERNMENT OF RAJASTHAN
FINANCE DEPARTMENT
(G&T DIVISION)**

No. F.2(4)FD/PWF&AR/99 Part-II

Jaipur, dated: 28-5-2016
Circular No.: 46/2016

ORDER

The Governor has been pleased to order that the following amendments shall be made in Public Works Financial & Accounts Rules (Part-II)

1. After the existing Clause 31 (Conditions of Contract) in Appendix-XI (General Rules and Directions for the Guidance of Contractors) a Note shall be added as under :-

"Note: All Contracts with Government shall require registration of workers under the Building & other Construction Workers (Regulation of Employment & Conditions of Services) Act, 1996 and extension of benefit to such workers under the Act."

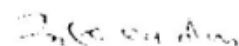
By Order


(G.D. Vyas)

Officer on Special Duty

Copy forwarded for information and necessary action to the following:

1. The Accountant General (Audit/A&E) Rajasthan, Jaipur.
2. The Principal Secretary/Secretary, PWD/PHED/Irrigation/IGNP/CAD/Forest/Water Resources Department.
3. Chairman, RSBCC/RHB/Administrator, Agriculture Marketing Board.
4. The Area Development Commissioner, Bikaner/Kota.
5. The Chief Engineer, PWD/Irrigation/PHED/IGNP, Bikaner and Jaisalmer/CAD(IGNP) Bikaner/CAD(Chambal Kota/Mahi Project/Bisalpur Project/Sidhmukh Nohar Project/Hanumangarh(North)CE.PHED, (PMC Project) Churu.
6. All Sections of Finance Department.
7. Director, Treasury & Accounts/Inspection/Local Fund Audit Department, Vitta Bhawan, Jaipur.
8. The Financial Advisor/Chief Accounts Officer, RWSSMB/ PWD/Irrigation/PHED/IGNB/IGNP Bikaner/CAD(IGNP)/Sidhmukh Nohar Project/Hanumangarh/Bisalpur Project, Jaipur.
9. Admn.Reforms Department.
10. Guard File.



Sr.Accounts Officer

**Government of Rajasthan
Office of the Chief Secretary**

May kindly peruse the D.O. letter No. 13-01/2010-DD.III dated 31st January, 2010 of Shri Mukul Wasnik, Hon'ble Minister, Social Justice and Empowerment, Government of India addressed to Chief Minister, Rajasthan. As the UN Convention on the Rights of Persons with Disabilities has come into effect from 3.5.2008, the State Government has to take suitable action in regard to the provisions of UNCRPD.

Basically two actions are to be ensured in this regard:


- (a) Persons with disabilities should have access, on an equal basis with others to buildings, roads, transportation and other indoor and outdoor facilities including schools, housing, medical facilities and work places;
- (b) Information, communications and other services including electronic services and emergency services.

We have to make all the buildings of the State Government and all its offices accessible to the Disabled by the end of 2010-11. As per Section 46 of the concerned Act, ramps are to be provided in public places, toilet adapted for wheel chair users, ramps are to be provided in hospitals, primary health centers and other medical care and rehabilitation institutions and provision is to be made for Braille symbols and auditory signals on elevators or lifts.

It is also necessary that all web-sites of the State Government, as also their attached and subordinate offices, as well as public sector enterprises quickly comply with at least the mandatory level A of WCAG 2.0. A time bound action plan is to be chalked out for complete action in this regard so that web-sites of all organizations coming under the State Government are accessible to the Disabled within the financial year 2010-11. In case of any difficulty, IT Department may contact the Department of Information & Technology and the National Informatics Centre for any technical assistance in this regard.

I would suggest that Social Justice & Empowerment Department will be the Nodal Department to ensure the compliance of the first point i.e. "making all buildings accessible." to the Disabled. It will coordinate with other concerned departments particularly School Education, Medical & Health, Medical Education, PWD, UDH & LSG and Transport to ensure compliance. For point No. 2 i.e. "making of web-site accessible", IT Department will be the Nodal Department to ensure the compliance of the same.

Encl. A/a


Chief Secretary

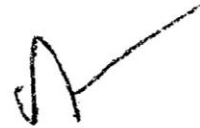
**1. Principal Secretary, Social Justice & Empowerment
2. Secretary, IT**

U.O. Note No. 88 MCS/10
Jaipur, dated : 05 February, 2010

(2)

Copy also forwarded to the following for information & necessary action:

1. Principal Secretary, School Education
2. Principal Secretary, Medical & Health
3. Principal Secretary, Urban Dev. & Local Self Govt.
4. Principal Secretary, Medical Education
5. Principal Secretary, PWD
6. Secretary, Transport



Chief Secretary

OFFICE OF THE CHIEF ENGINEER PWD RAJASTHAN JAIPUR

No.SE(SS)/DLP/2011-12/D- 624

Dated: 12.10.2012

OFFICE ORDER

In partial supersession of this office order No.CE(Bldg.)DLP(Bldg Works)D-268 dated 7.10.2009, the Defect Liability Period, as mentioned under Clause 37(e) of Agreement, shall be 3 years for Renewal & Special Repair to Roads and C.D. works as well as for new Construction of roads and C.D. works. Henceforth this Period shall be specified in the Special Conditions, attached with the agreement. These orders will be effective from the date of issue.

It bears approval of the Govt., vide No.1663/M/PWD/2012 dated 10.10.2012, MR No.2830/Pr.Secy./PWD/2012 dated 8.8.2012 & No. 3871/Secy./PWD/2012 dated 10.10.2012.


(HAZARI LAL MEENA)
CHIEF ENGINEER & ADDL. SECY
PWD RAJASTHAN JAIPUR

Copy to the following for information & necessary action.

1. P.S. to Hon'ble Minister/P.S. to State Minister, PWD, Rajasthan, Jaipur.
2. P.S. to Principal Secretary, PWD, Rajasthan, Jaipur.
3. P.S. to Secretary, PWD, Rajasthan, Jaipur.
4. Chief Engineer(Roads/NH/PMGSY/SS), PWD, Rajasthan, Jaipur
5. Addl. Chief Engineer(All), PWD, Zone _____.
6. Superintending Engineer(All), PWD, Circle _____
7. Executive Engineer, PWD, Dn.(All) _____


(HAZARI LAL MEENA)
CHIEF ENGINEER & ADDL. SECY
PWD RAJASTHAN JAIPUR

Date 13/6/2016

2

2. Before starting of work, Contractor shall submit to the Engineer Incharge for approval a Program for execution of the works including Environmental Management Plan showing the general methods, arrangements, sequence and timing for all the activities in the works along with monthly cash flow forecast. The programme shall be updated monthly by the Contractor showing the actual progress achieved on each activity and the efforts which shall be made by him to make up for the shortfall, if any in the progress achieved and its effect on the completion period of the project, and submitted to the Engineer Incharge by 7th day of the succeeding month for review.

(G.L. Rao) 9-6-16
Chief Engineer & Addl. Secretary
PWD, Rajasthan, Jaipur.
Date 13/6/2016

1. PS to the Addl. Chief Secretary, PWD Rajasthan, Jaipur.
2. PS to the Secretary, PWD Rajasthan, Jaipur.
3. Chief Engineer (Building/SS/NH/QC/PMGSY), PWD Rajasthan, Jaipur.
4. Financial Advisor, PWD Rajasthan, Jaipur.
5. Additional Chief Engineer (OPRC/PPP/Administration/ WB/BOT) PWD, Jaipur.
6. Additional Chief Engineer, PWD Zone (All).
7. Superintending Engineer (TA-I/Roads/Bldg./NH/SS/PPP/BOT/PMGSY/SS/D&S), PWD, Jaipur.
8. Superintending Engineer, PWD Circle (All).
9. Executive Engineer, PWD Division (All).

(G.L. Raabe)
Chief Engineer & Addl. Secretary

कार्यालय अतिरिक्त मुख्य अभियन्ता सा. नि. वि., संभाग-द्वितीय, जयपुर

क्रमांक: 2353

दिनांक 23-9-2016

अधीक्षण अभियन्ता,
सार्वजनिक निर्माण विभाग,
वृत्त ग्रामीण -जयपुर/अलवर/दौसा।

अधिशायी अभियन्ता,
सा0नि0वि0 खण्ड- (समस्त)

विषय:- भविष्य में की जाने वाली निर्माण कार्यों की अन-बैलेंस निविदाओं की Addl. Performance Security लेने का प्रावधान रखने बाबत।

सन्दर्भ:-मुख्य अभियन्ता एवं अति० सचिव, सा0नि0वि0 जयपुर के पत्र क्रमांक
(1) सीई/सानिवि/डीएण्डटी/सरक्यूलर/डी-140 दिनांक 20.9.16 एवं
(2) पत्र क्रमांक एसई(रोड)/डी-326 दिनांक 20.9.2016

महोदय,

उपरोक्त विषयान्तर्गत मैं आपका ध्यान कम संख्या 1 में वर्णित सरक्यूलर की आरे आकर्षित करना चाहूंगा जिसके द्वारा यह निर्देशित किया गया है कि भविष्य में होनेवाली सड़क एवं भवन कार्यों की प्राप्त अन-बैलेंस निविदाओं में Addl. Performance Security ली जावेगी।

कम संख्या-2 में वर्णित परिपत्र द्वारा इस विषय की शर्त को समस्त निविदा प्रपत्रों में Addl. Performance Security लगाये जाने बाबत निर्देशित किया गया है। उक्त शर्त में लागत राशि की कोई बंदिश नहीं है अर्थात् यह शर्त सभी लागत के कार्यों में लागू होगी। अतः कृपया भविष्य में की जानेवाली निविदाओं में कम संख्या 2 में वर्णित शर्त को विशेष शर्त के रूप में लागू करें एवं क०सं० 1 में वर्णित परिपत्र को निविदा प्रपत्र में सम्मिलित करें। नियमानुसार यदि किसी कार्य की दर अन-बैलेंस प्राप्त होती हैं तो उस संवेदक को कार्य आदेश दिये जाने से पूर्व Addl. Performance Security अपने कार्यालय में जमा कराया जाना सुनिश्चित करावें।

इसे अति-आवश्यक समझें एवं इसका सम्पूर्ण पालना सुनिश्चित करें।

भवदीय,

23/9/16
(एम.जी. माहेश्वरी)

अतिरिक्त मुख्य अभियन्ता,
सा.नि.विभाग, संभाग-2, जयपुर।

2353

23-9-2016

प्रतिलिपि मुख्य अभियन्ता एवं अति० सचिव, सा0नि0वि0 राजस्थान, जयपुर को उनके पत्र क्रमांक सीई/सानिवि/डीएण्डटी/सरक्यू/डी-140 दिनांक 20.9.16 एवं पत्र क्रमांक एसई(रोड)/डी-326 दिनांक 20.9.2016 सूचनार्थ प्रेषित है।

23/9/16
(एम.जी. माहेश्वरी)

अतिरिक्त मुख्य अभियन्ता,

**RAJASTHAN STATE ROAD TRANSPORT CORPORATION,
HEAD OFFICE, PARIVAHAN MARG,
JAIPUR-302001**

SPECIAL CONDITION OF CONTRACT

POST QUALIFICATION OF CONTRACTORS

Name of Work: **CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP
AT JODHPUR**

Special conditions of contract for Post Qualification, as detailed herein under, shall be applicable in addition to all other terms and conditions already prescribed under standard agreement forms/rules and regulations relating to contracts.

Applicability :

1. Post Qualification Method

- (a) For Building & Other Construction Work : From Rs 2.00 Crore to 10 Crore

Procedure:

2. Procedure for potential assessment would be as follows:

- (i) **The bidder shall submit the following documents online on or before date and time specified in the NIT :-**
- (a) **Tender fee and Earnest Money as per PWF & AR in original in favour of Financial Advisor, RSRTC, Jaipur as mentioned in Bid document.**
- (b) **Processing Fee in the form of Demand Draft / Banker's Cheque in the name of Managing Director, RISL payable at Jaipur.**
- (c) **Copy of the GST Registration Certificate.**
- (d) **Copy of bidder's enlistment order.**
- (ii) The Bidder is required to submit the documents mentioned in para 2 (i) (a) & (b) in physical form in a sealed envelope on or before date and time specified in NIT. The potential assessment bid would only be opened of the bidders who have physically submitted the documents narrated in para 2 (i) (a) & (b) above.
- (iv) The financial bid would be opened only of those successful bidders who fulfill the potential assessment criteria and found responsive by the Evaluation Committee.

Criteria:

3. Criteria for post qualification would be as follows:

- i. The bidder should have executed at least 50% of the following quantities of work in any of the last five financial years:-

S.No.	Item	Quantity as per BOQ
A	Building Work	
a	Earth work	1473.00 Cum
b	Masonry (Stone / Brick)	3006.00 Cum
c	P.C.C. & R.C.C. work (footing/ column/wall/roof)	3104.00 Cum
d	Flooring (Marble/Kota Stone/Crazy/Tile)	1288.00 Sqm
e	Plaster	8445.00 Sqm
f	Shuttering	3585.00 Sqm
g	Steel for RCC/Structural work	164.00 Ton
B	Road Work	
a	Earth Filling	11400.00 Cum
b	WBM	2100.00 Cum
c	BT Work (PMC)	411.00 MT

Note: Certificate of competent authority for quantities executed year wise shall be submitted with this technical bid. If year wise quantities not given than the bid may be rejected.

- ii. The bidder should have completed a least one work of similar nature of Road/Building/Bridge as the case may be in last 5 years of the value not less than 50% of the estimated cost of the work updated to present price level.
- iii. The bidder should have achieved a financial turnover of at least 60% of the cost of work (bid cost) in any one of the last five financial years.
- iv. The bidder should be able to deploy the machinery and equipment as specified in Schedule-III, for the execution of this work. The machinery and equipment should be available to the bidder on ownership or confirm lease basis for which appropriate proof on non judicial stamp will have to be submitted.
- v. Bid Capacity:
Bidders who meet the minimum qualification criteria will be qualified only if their acceptable bid capacity is more than the total bid value. The available bid capacity will be calculated as under:

Assessed available Bid Capacity: $\{(AxNx2)-B\}$ where

A= Maximum value of civil Engineering works executed in any one year during the last five year (updated to present price level) taking into account the completed as well as works in progress, however, the bidder may opt the current year in the five years assessment period.

N= Numbers of years prescribed for completion of the work for which bids are invited.

B= Value at present price level exiting commitments and ongoing works to be completed during the next years (period or completion of works for which bids are invited.)

vi. Litigation History

Bidders should provide accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last 5 years. The maximum value (updated to present price level) of disputed amount claimed in Litigation / Arbitration resulting from contracts executed in last five years shall be deducted from the calculated Bid capacity of the bidder the details shall be furnished in Schedule-VI.

Note:

(a)	for base year	(Year 2017-18)	-	1.00
(b)	for One year before	(Year 2016-17)	-	1.10
(c)	for Two year before	(Year 2015-16)	-	1.21
(d)	for Three year before	(Year 2014-15)	-	1.33
(e)	for Four year before	(Year 2013-14)	-	1.46

4. The bidder should furnish the following documents along with the Assessment Bid :

- a) Information regarding financial resources and capability in Schedule-I duly certified and audited by C.A.
- b) Information regarding works executed in the last five years in Schedule-II.
- c) Certificates from the concerned Engineers-in-charge in support and verification of the information furnished in Schedule-II.
- d) Information regarding machinery and equipment required for deployment, as detailed in Schedule-III.
- e) Information regarding details of Maximum Value of civil engineering works executed in any one year during the last five years taking into account the completed as well as works in progress in Schedule-IV.

- f) Information regarding existing commitments & on-going works to be completed in Schedule-V.
 - g) Information regarding details of litigation or arbitration contracts to be furnished in Schedule-VI.
 - h) The bidder should demonstrate that they have adequate financial resources (overdraft/Credit Line/ Letter from Bank) sufficient to sustain the contract cash flow for 3 months at the peak construction period @ 25% of bid value i.e. **Rs. 137.50 Lacs.**
 - i) Certificate of Correctness of Bid Document as per Annexure-A. Important :
5. (a) The bidder must ensure that all the information required in the documents is furnished by him complete in all respects. He would not be allowed to withdraw any document, or to rectify any information furnished therein, after submitting the bid.
- (b) The bidder should give an affidavit as per Annexure-A on non-judicial stamp of **Rs. 50/-** that the "Information furnished in Schedule I, II, III, IV, V & VI is correct". If any information is found to be incorrect, the offer of the bidder shall be rejected and action as per rules shall be taken.

Rejection of bids :

6. The department reserves the right to reject any bid, or to disqualify any or all the bidders, without assigning any reasons.
7. (i) If a bid is not accompanied with the requisite documents mentioned in clauses 4 (a) to 4 (i), or is not in accordance with procedure specified in para 2 (i) & (ii), or is not accompanied with the earnest money, bidders enlistment order & GST Registration Certificate, it would be liable for rejection.
- (ii) Furnishing of incorrect or incomplete information or concealment of any information required in the bid documents would render the bid liable to rejection.
8. (i) **The GST Registration certificate, bidder enlistment order and Tender Fee, Processing Fee and Earnest Money should be kept in Cover 1.**
- (ii) **Pre Qualification / Technical Bid should be kept in Potential Bid Cover 2.**
- (iii) **Financial Bid should be placed separately in Cover 3.**

Only after evaluation of correctness of tender fee, processing fee and earnest money, bidder's enlistment order and GST Registration certificates, the Technical Bid would be opened.

**RAJASTHAN STATE ROAD TRANSPORT CORPORATION,
HEAD OFFICE, PARIVAHAN MARG,
JAIPUR-302001**

POST QUALIFICATION BID OF CONTRACTOR

ABSTRACT DETAILS

1.	Name of the work	:	
2.	Name of the Contractor	:	
3.	Income Tax PAN No. / Income Tax Certificate valid upto	:	
4.	GST Registration	:	
	CRITERIA		
5.	Maximum Quantity of work executed in any one of the previous five years	:	
A.	Road work (As per Schedule-II- A)		
	a. WBM/ WMM (Cum)	:	
	b. SDBC/BM/AC by paver (MT)	:	
	c. SDBC/PMC/MSS may be by paver or by manual (MT)	:	
B.	Bridge/CD works (As per schedule-II (B))		
	a. Stone masonry (Cum)	:	
	b. C.C. (All Grade (Cum)	:	
C.	Building work (as per Schedule-II(C))		
	a. Earth work (Cum)	:	
	b. Stone masonry (Cum)	:	
	c. RCC work (Roof/Column/ footings/ PCC) (Cum)	:	
	d. Shuttering (Sqm.)	:	
	e. Reinforcement/ Structural Steel (MT)	:	
	f. Plaster (Sqm.)	:	
	g. Flooring (Marble/ Kota Stone/ Mosaic etc.) (Sqm)	:	

6.	Max. value of single work completed in last five Years (as per schedule-IV)		:		
	TYPE OF WORK		COMPLETION PERIOD		
A	Road work				
B	Bridge Work				
C	Building work				
D					
7.	Max. Financial turn over in any one of the last five years (as per Schedule-I)				
8.	Availability of Machinery & Equipment (as per Schedule-III)				
A	Road Work		No. Owned	No. Leased	Total
	a.	Smooth wheeled Roller			
	b.	Truck/Tractor/Dumpers			
	c.	Bitumen boiler with sprayer			
	d.	Hot mix plant			
	e.	Paver Finisher (Sensor)			
	f.	J.C.B.			
	g.	Vibratory Roller			
	h.	Tipper 8-10 Tonnes			
B	Bridge/ Building Works				
	a.	Concrete mixer capacity (10/7) with hopper)			
	b.	Screed Vibrator			
	c.	Needle vibrator			
	d.	Plate Vibrator			
	e.	Weigh Batcher			
	f.	Batch Mix Plant			
	g.	Electric Floater			
	h.	Transit Mixer			
	i.	Hoist			
	j.	JCB/Tractor/Tipper			
9.	Litigation/ Arbitration (As per Schedule-VI) maximum value at present price level of disputed amount claimed in Litigation/ Arbitration resulting from contracts executed in last five years.				

10	Bid Capacity = (AxNx2)-B		
	a.	A-Max. value of works executed in any one of the last five years updated to the current price level (as per Schedule-IV)	
	b.	N- Number of years prescribed for completion of the works for which the bids are invited	
	c.	B- Value at present price level of existing commitment and on-going works to be executed during period 'N' (period prescribed for completion of the works for which the bids are invited (as per Schedule-V)	
11.	Acceptable Bid Capacity:		
	Bid capacity calculated as per (10) above maximum value of disputed item as per (9) above		

Signature of Bidder
(with seal, wherever applicable)

SCHEDULE-I
FINANCIAL RESOURCES AND CAPABILITY

[Reference Clause 4(a)]

1. Name of the Bidder
2. Total financial turnover achieved by the bidder in the last five financial year:

S. No.	Year	Turnover
(i)	2013-14	
(ii)	2014-15	
(iii)	2015-16	
(iv)	2016-17	
(v)	2017-18	

Note: Balance sheets and profit and loss accounts for the last five financial years should be enclosed.

3. Total financial turnover projected in the current financial year.
4. Has the bidder ever been debarred from tendering for central movement/ any State Government any Government undertaking?

Yes/No, If yes give details,

5. Has the bidder ever been declared insolvent?

Yes/No, If yes give details,

6. Name /(s) and Branch (s) of bidders Bankers

I/We certify that the above information is correct to the best of my/our knowledge and belief.

Date:

Signature of Bidder
(with seal, wherever applicable)

SCHEDULE - II (A)

[Reference Clause 4 (b)]

ROAD WORKS

DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST FIVE FINANCIAL YEARS

S. No.	Name of work (with agreement No. & date)	Place (District/ State)	Financial year	PRINCIPAL ITEM OF WORK					
				Earth work (Cum)	WBM/ WMM (cum)	PMC (Manual) (Sqm)	PMC/SDBC by paver in Sqm/ Tonnes	DBM/BM/AC by paver in Tonnes	C.C. pavement (Cum)
1	2	3	4	5	6	7	8	9	10

Signature of bidder

(With seal, wherever applicable)

Note: Certificates from concerned Engineer-in-charge should be enclosed in support and verification of the above statement.

SCHEDULE - II (B)

[Reference Clause 4 (b)]

BRIDGE WORKS

DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST FIVE FINANCIAL YEARS

S.No.	Name of work (with agreement No. & date)	Client	Place (District / State)	Financial year	PRINCIPAL ITEM OF WORK			
					Stone Masonry (Cum)	Concreting of all grade (Cum)	Shuttering (Sqm)	Reinforcement (MT)
1	2	3	4	5	6	7	8	9

Signature of bidder

(With seal, wherever applicable)

Note: Certificates from concerned Engineer-in-charge should be enclosed in support and verification of the above statement.

SCHEDULE - II (C)

[Reference Clause 4 (b)]

BUILDING WORKS

DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST FIVE FINANCIAL YEARS

S. No.	Name of work (with agreement No. & date)	Client	Place (District/ State)	Financial year	PRINCIPAL ITEM OF WORK					
					Masonry (stone/ brick) (cum)	RCC work (Roof/ Column & Footings) (cum)	Flooring (marble/ Kota stone/ mosaic etc. (Sqm)	Plaster (Sqm)	Shuttering (Sqm)	Joinery work (door shutters) (Sqm)
1	2	3	4	5	6	7	8	9	10	11

Signature of bidder

(With seal, wherever applicable)

Note: Certificates from concerned Engineer-in-charge should be enclosed in support and verification of the above statement.

SCHEDULE-III
[Reference Clause 4 (b)]

Details of minimum machinery and equipment required to be deployed by the contractor in the execution of the tendered work.

Name of Bidder:

S.No.	Item	Minimum Nos. Required	Source of availability (owned/ leased)
A.	ROAD WORK		
a	Smooth	1 No.	
b	Truck/Tractor/Dumpers	2 Nos.	
c	Bitumen boiler with sprayer	1 No.	
d	Hot mix plant	1 No.	
e	Paver finisher electronic sensor	1 No.	
f	J.C.B.	1 No.	
g	Vibrator Roller	1 No.	
h	Tipper 8-10 Tonnes	1 No.	
B	BRIDGE WORKS		
a	C.C. mixer capacity	NIL	
b	Needle vibrator	NIL	
c	Plate Vibrator	NIL	
C	BUILDING WORKS		
a	C.C. mixer capacity (10/7) with hopper)	2 Nos.	
b	Needle vibrator	6 Nos.	
c	Plate Vibrator	4 Nos.	
d	J.C.B.	1 No.	
e	Tractor/ Tipper	3 Nos.	
f	Weigh Batcher	2 Nos.	
g	Shuttering Material (Steel)	4000 Sqm	

I/We hereby undertake to deploy the machinery and equipment listed above as and when required in the execution of this work.

Date:

Signature of Bidder
(with seal, wherever applicable)

SCHEDULE - IV

DETAILS OF MAXIMUM VALUE CIVIL ENGINEERING WORKS EXECUTED IN ANY ONE YEAR DURING THE LAST FIVE YEARS TAKING INTO ACCOUNT THE COMPLETED AS WELL AS WORKS IN PROGRESS

S. No.	Name of work (with agreement No. & date)	Client	Place (District/ State)	Financial year	Cost of work as per work order	Stipulated date of commencement	Stipulated date of completion	Value of work done during the year
1	2	3	4	5	6	7	8	9

Signature of bidder

(With seal, wherever applicable)

Note: Certificates from concerned Engineer-in-charge should be enclosed in support and verification of the above statement.

SCHEDULE -V

DETAILS OF EXISTING COMMITMENTS & ON-GOING WORKS TO BE COMPLETED

S. No.	Name of work (with agreement No. & date)	Client	Cost of work as per work order	Stipulated date of commencement	Stipulated date of completion	Value of balance work on date of tender	Likely date of completion of balance work
1	2	3	4	5	6	7	8

Signature of bidder

(With seal, wherever applicable)

Note: Certificates from concerned Engineer-in-charge should be enclosed in support and verification of the above statement.

SCHEDULE -VI

DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

S. No.	Name of work (with agreement No. & date)	Client	Work Order Amount	Disputed amount claimed in litigation/ arbitration	Date of rising disputed amount	Actual Award Amount, if the case is decided	Cause of Litigation & matter in dispute
1	2	3	4	5	6	7	8

Signature of bidder

(With seal, wherever applicable)

Note: Certificates from concerned Engineer-in-charge should be enclosed in support and verification of the above statement.

AVAILABILITY OF CREDIT FACILITIES

BANK CERTIFICATE

This is to certify the M/s..... is a reputed company with a good financial standing. If the contract for the work namely **CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR** is awarded to the above firm, we shall be able provide overdraft/credit facilities to the extent to **Rs. 137.50 Lacs** to meet their working capital requirement for executing the above contract.

Signature of Senior Bank Manager

Name of Senior Bank Manager

Address of the Bank

.....

Stamp of the Bank

Note:-Certificate should be on the letter head of the Bank.

Reference Clause 5 (b)

(To be given on Non Judicial Stamp paper of Rs. 50/- duly attested by Oath
Commissioner Notary/Public)

AFFIDAVIT

I/We Proprietor / Partner / Authorized signatory of
M/s undertake the oath that
the information furnished by me / us in Schedule I to VI of the Technical Bid for the
work of is
correct to the best of my/ our knowledge. If any information is found to be incorrect,
RSRTC has right to reject the Bid and take action against me / us as per rules.

.....

Proprietor / Partner / Authorized Signatory

M/s

LIST OF DOCUMENTS TO BE SUPPLIED FOR THE SUPPLIED FOR THE TECHNICAL BID

S. No.	Name of Documents	Attached / Not attached	Remarks Authority
1	The full information regarding financial resources & capacity in Schedule-I	Yes/No Page no..... to	
2	Balance sheet, Profit & Loss account statement with Auditor's Report	Yes/No Page no..... to	
3	Details of works of similar type of magnitude completed by the tenderer in Schedule-II (a)	Yes/No Page no..... to	
4	Details of plant & Machinery proposed for used in this work Schedule-III	Yes/No Page no..... to	
5	Details of maximum value of civil engineering work executed in any one year during the last five years in Schedule-IV	Yes/No Page no..... to	
6	Details of existing commitments & on going works to be completed in Schedule-V	Yes/No Page no..... to	
7	One work of similar nature in last three years not less than 50% of the cost of the work	Yes/No Page no..... to	
8	Proof of adequate financial resource (over draft/ credit line/ letter from Bank)	Yes/No Page no..... to	

Signature of Contractor

RAJASTHAN STATE ROAD TRANSPORT CORPORATION,

**HEAD OFFICE, PARIVAHAN MARG,
JAIPUR-302001**

AGREEMENT NO.....
YEARTO.....
.....Circle

Photo to be
affixed of the
Contractor

Division :.....
Sub-Division :.....
Name of Work :.....
Name of Contractor :.....
A.T.F. Sanction No. :.....Date.....Rs.....
Technical Sanction No. :.....Date.....Amount.....
Job Number :.....
a) Stipulated Date of start of Work :.....
b) Stipulated Date of completion of work :.....
c) Actual Date of completion of work :.....
Extension applied on & Sanctioned :.....
Vide No.Date2012.....

Details of Documents:

- a) Percentage Rate Tender RPWA 100
- b) Schedule A to F
- c) Schedule H
- d) Schedule G
- e) Schedule
- f) General Specification and Conditions of Contract
- g) Contractor's Labour Regulations
- h)
- i)

GENERAL RULES AND DIRECTIONS FOR THE GUIDANCE OF CONTRACTORS

1. All works, proposed for execution by contract, will be notified in a form of invitation to tender pasted on public places and on a board hung up in the office of and signed by the Managing Director or other duly authorized Engineer.

The form of invitation to tender will state the work to be carried out, as well as the date of submitting and opening of tenders and the time allowed for carrying out the work, also the amount of Earnest Money to be deposited with the tender and the amount of the Security Deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and estimated rates/ schedule rates and any other documents required in connection with the work signed for the purpose of identification by the Executive Engineer shall be open for inspection by the Contractor at the office of the Managing Director or other duly authorized Engineer during office hours.
2. In the event of the tender being submitted by a firm it must be signed separately by each partner, thereof or in the event of the absence of any partner it must be signed on his behalf by a person holding a power of attorney authorizing him to do so. Such power of attorney will be submitted with the tender and it must disclose that the firm is duly registered under the Indian Partnership Act, by submitting the copy of registration certificate.
3. Receipts for payments, made on account of a work when executed, by a firm must also be signed by the several partners, except where the contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners or by some other person having authority to give effectual receipts for the firm.
4. Any person, who submits percentage rate tender, shall fill up the usual printed form stating at how much percent above or below the rates specified in Schedule G, he is willing to undertake the work. Only one rate of percentage more or less on all the estimated rates/scheduled rates shall be mentioned. Tenders which propose any alteration in the work, specified in the said form of invitation to tender or in the time allowed for carrying out the work, or which contain any other conditions or any sort, will be liable to rejection. No single tender shall include more than one work but contractors, who wish to tender for two or more works, shall submit a separate tender for each work. Tenders shall have the name and number of work, to which they refer, written outside the envelop.
5. The Managing Director or other only authorized Engineer will open the tenders in the presence of any contractor (s) or their authorized representative who may be present at the time and will announce and enter the rates/amounts of all tenders in the Register of opening of Tenders (FORM RPWA20A). In the event of the tender being accepted, a receipt for the Earnest Money deposited shall be given to the contractor, who shall sign copies of the specifications and other documents mentioned in Rule-1 in the event of a tender being rejected the Earnest Money forwarded with such unaccepted tenders shall be returned to the contractor making the same.
6. The Managing Director or other duly authorized Engineer shall have the right of rejecting all or any of the tender without assigning any reason.
7. The receipt of an Accountant, Cashier or any other official, not authorized to receive such amount, will not be considered as an acknowledgement of payment to the Managing Director or other duly authorized Engineer.
8. The memorandum of work tendered for, memorandum of materials and of tools and plant to be supplied by the Department and their rates, shall be filled in completed in the office of the Managing Director or duly authorized Engineer before the tender form is issued.
9. If it is found that the tender is not submitted in proper manner or contains too many corrections and or unreasonable rates or amounts, it would be open for the Engineer-in-charge not to consider the tender, forfeit the amount of Earnest Money and/or delist the Contractor.

10. The tenderer shall sign a declaration under the official secrets Act for maintaining secrecy of the tender documents, drawings or other records connected with the work given to him in form given below. The unsuccessful tenderers shall return all the drawings given to them.

Declaration

"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 there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the same."

11. Any percentage rate tender containing item-wise rates, and any item rate tender containing percentage rate below or above estimated/scheduled rates, will be summarily rejected. However, if a tenderer voluntarily offers a rebate for payment within a stipulated period, this may be considered.
12. On acceptance of the tender, the name of the accredited representative(s) of the Contractor (with a photograph and signature attested), who would be responsible for taking instructions from the Engineer-in-charge, shall be communicated to the Engineer-in-charge.
13. Sales tax or any other tax on materials, or Income Tax in respect of the contract shall be governed by Clause-36-A, B, C & D of the conditions of contract. Deduction of Income Tax at source will be made as per provisions of the Income Tax Act, in force from time to time.
14. The tender to work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe the secrecy of the tenders will render tender of the contractors, tendering as well as witnessing the tender, liable to summary rejection.
15. If on check, there are some discrepancies the following procedure shall be followed:-
- i. Where there is a difference between the rates in figures and words, lower of the two rates shall be taken as valid and correct rate.
 - ii. When the rate quoted by the contractor in figures and in words tallies, but the amount is not worked out correctly, the rate quoted by the contractor shall be taken as correct and not the amount worked out.
 - iii. While quoting rates, if rate/rates against any item or items are found to be omitted, the rate given in the Schedule 'G' by the department for such items will be taken into account while preparing comparative statement and contractor shall be bound to execute such item on 'G' Schedule rates.
 - iv. In case where percentage is given but the 'above' or 'below' not scored, the tender will not non-response.
16. The contractor shall comply with the provisions of the Apprenticeship Act, 1961 and the rules and orders issued, thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the original sanctioning authority in his discretion may cancel the contract. The contract or shall also be liable for any pecuniary liability arising on account of violations by him of the provisions of the Act.
17. The contractor shall read the specifications and study the working drawings carefully before submitting the tender.
18. The site for execution of the work will be made available as soon as the work is awarded. In case it is not possible for the Department to make the entire site available on the award of the work, the Contractor shall arrange his working programme accordingly. No claim whatsoever for not giving the site in full on award of the work or for giving the site gradually in parts will be

tenable. The contractor may satisfy himself regarding site, acquisition of land approach roads etc.

19. The tender documents show already the specific terms and conditions on which tenders are required by R.S.R.T.C. Hence, all tenders should be in strict conformity with the tender documents and should be fulfilled in, wherever necessary and initialed incomplete tenders are liable to be rejected. The terms and conditions of the tender documents are firm; as such conditional tenders are liable to be rejected.
20. The tenderer, while submitting tender, must provide adequate information regarding his financial, technical and organizational capacity and working experience to execute the work of the nature and magnitude.
21. The Managing Director or other duly authorized Engineer reserves the right to ask for submission of samples as in respect of materials for which the tenderer has quoted his rates before the tender can be considered for acceptance. If the tenderer, who is called upon to do so, does not submit within seven days of written order to do so, the Engineer-in-charge shall be at liberty to forfeit the said earnest money absolutely.

22. The contractor shall submit the list of the works, which are in hand (progress) in the following form:-

Name of work	Name and particular of the sub- division, where work is being executed	Amount work	Position of works in progress	Remarks
1	2	3	4	5

23. The contractor should quote his rates only in one language i.e. either in Hindi or English. Rates should be quoted in figures as well as in words in case a contractor has quoted in both the language, and the rates so quoted differ, then the lower of the two shall be treated as the rate quoted by the Contractor.
24. All additions, deletions, corrections and over writings must be serially numbered and attested by the Contractor at every page, so also by the oOfficer opening the tenders, so as to make further disputes impossible on this score.
25. After acceptance of the tender, the Contractor or all partners (in the case of partnership firm), will append photographs and signatures duly attested, at the time of execution of Agreement.
26. If any contractor, who having submitted a tender does not execute the agreement or start the work or does not complete the work and the work has to be put to retendering, he shall stand debarred form participating in such retendering in addition to forfeiture of Earnest Money/Security Deposit and other action under agreement.
27. The tender documents shall be issued to those contractors only having valid enlistment as on the date of issue of documents.
28. (a) If a tenderer reduces the rates voluntarily after opening of the tenders/ negotiations, his offer shall stand cancelled automatically, his earnest money shall be forfeited and action for debarring him from business shall be taken as per enlistment rules.
 (b) If a non-tenderer offers lower rates after opening of tenders, action for debarring him form business shall be taken as per enlistment rules.

29. Contractors shall submit only unconditional tenders. Conditional tenders are liable to be rejected summarily.

Tender for works:

I/We hereby tender for the execution for the Chairman of the R.S.R.T.C. of the work specified in the underwritten memorandum within the time specified in such memorandum at the rates, (in figures) % (as well as in words) percent below/above the amount, entered in the schedule 'G' in all respects in accordance with the specifications, designs, drawings and instructions in writing referred to in Rule-1 in all respects in accordance with such conditions so far as applicable. I/We have visited the site of work and am/are fully aware of all the difficulties and conditions likely to affect carrying out the work. I/We have fully acquainted myself/ourselves about the conditions in regard to accessibility of site and quarries/kilns, nature and the extent of ground, working conditions including stacking of materials, installation of tools & plant, conditions effecting accommodation and movement of labour etc. required for the satisfactory execution of contract.

Memorandum

- a. General description of work
- b. Estimated cost Rs.....
- c. Earnest money Rs..... @ 2% for enlisted contractors outside their zone and 1/2% within their zone of enlistment.

d. Security Deposit:

The security deposit @10% of the Gross amount of the running bill, shall be deducted from each running bill and shall be refunded as per rules on completion of the contract as per terms and conditions. However, the amount of security deposit deducted from the running bills shall not be converted in any mode of securities like bank guarantee, F.D.R. etc. The earnest money deposited shall however be adjusted, while deducting security deposit from first running bill of the contractor. There will be maximum limit of security deposit.

However, a contractor may elect to deposit full amount of 10% security deposit in the shape of bank guarantee or any acceptable form of security before or at the time of executing agreement. In that case, earnest money may be refunded only after deposition of full 10% as above. However, in case during execution cost of works exceeds as shown at the time of depositing 10% as above, balance security deposit shall be deducted from running account bills.

Bank guarantee shall in all cases be payable at the head quarter of the Division or the nearest district head quarter.

- e. Time allowed for the completion of work (to be reckoned from the 10th day after the date of written order to commence the work) is months. Should this tender be accepted in whole or in Part, I/We hereby agree to abide by and fulfill all the terms and provisions of the conditions of contract annexed hereto and of the Notice Inviting Tender, or in default thereof, to forfeit and pay to the Chairman of R.S.R.T.C. or his successors in office, the sum of money mentioned in the said conditions.

A sum of Rs..... is forwarded herewith in the form of Cash, Bank Draft, Bankers cheque as Earnest Money. This amount of earnest money absolutely be forfeited to the Chairman R.S.R.T.C. or his successor in office without prejudices to any other right or remedies of Chairman, R.S.R.T.C. or his successor in his office, should I/We fail to commence the work specified in the above memorandum.

Signature of Witness

Signature of Contractor

Witness's address & occupation

Address of Contractor

Date

The above tender is hereby accepted by me on behalf of the Chairman, R.S.R.T.C.

Dated the

Engineer-in-charge

GENERAL CONDITIONS OF CONTRACT

CLAUSE 1: SECURITY DEPOSIT

The Security Deposit @ 10% of the gross amount of the running bill shall be deducted from each running bill and shall be refunded as per rules on completion of the contract as per terms and conditions. However, the amount of security deposit deducted from running bills shall not be converted into any mode of securities like Bank Guarantee, FDR etc. The earnest money (2% of the Estimated Value) deposited shall however be adjusted while deducting security deposit from the running bill of the Contractor. There will be no maximum limit of security deposit.

However, a Contractor may elect to deposit full amount of 10% of the Work Order Amount as Security Deposit in the shape of Bank Guarantee / Performance Bank Guarantee, in favour of **RAJASTHAN STATE ROAD TRANSPORT CORPORATION (RSRTC)**, or any acceptable form of security before or at the time of executing agreement. In that case, earnest money may be refunded only after furnishing of the bank guarantee as above. However, during execution of the work if cost of work exceeds as shown at the time of furnishing bank guarantee, balance security deposit shall be deducted from the "Running Account Bills".

All compensations or other sums of money payable by the Contractor to RSRTC under the terms of his contract may be deducted from or paid by the sale of a sufficient part of his Security Deposit, or from interest arising therefrom, or from any sums, which may be due or may become due to the CONTRACTOR by RSRTC on any account whatsoever, and in the event of his security deposit being reduced by reason of any such deductions or sale as aforesaid, the Contractor shall within 10 working days thereafter, make good in cash or in the form of Bank Guarantee of Nationalized / Scheduled bank, as aforesaid, any sum or sums which may have been, deducted from or raised by sale of his security deposit or any part thereof.

In case of Bank Guarantee of any Nationalized / Scheduled Bank is furnished by the Contractor to RSRTC, as part of the Security Deposit and the bank goes into liquidation or, for any reason, is unable to make payment against the said Bank Guarantee, the loss caused thereby shall fall on the Contractor and the Contractor shall forthwith, on demand furnish additional security to RSRTC to make good the deficit.

The liability or obligation of the bank under the Guarantee Bond shall not be affected or suspended by any dispute between the Engineer-in-Charge and the Contractor, and the payment, under the Guarantee Bond by the bank to RSRTC shall not wait till the disputes are decided. The bank shall pay the amount under the Guarantee, without any demur, merely on a demand from RSRTC stating that the amount claimed is required to meet the recoveries due or likely to be due from the Contractor. The demand so made, shall be conclusive as regards to amount due and payable by the bank, under the guarantee limited to the amount specified in the guarantee Bond. The guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

The Bank Guarantee shall remain valid upto the specified date unless, extended on demand by the Engineer-in-Charge, which shall include the period of completion of the contract and the defect removal period as per terms of the Agreement. Bank's liability shall stand automatically discharged unless a claim in writing is lodged with the Bank within the period stated in the Bank Guarantee including the extended period. After satisfactory completion of the contract and clearance of all dues by the Contractor, the Managing Director, RSRTC or duly authorized Engineer will discharge the Bank Guarantee after expiry of the original or the extended period, as the case may be. In case the date of expiry of the Bank Guarantee is a holiday, it will be deemed to expire on the close of the next working day.

RSRTC is not concerned with any interest accruing to the Contractor on any form of Security (primary or collateral) lodged by him with the bank or any sums payable to sureties obtained by the Bank as counter guarantee to secure its own position. These will be the matters between the Bank and the Contractor

CLAUSE 2: COMPENSATION FOR DELAY

The time allowed for carrying out the work, as entered in the tender, shall be strictly observed by the Contractor and shall be reckoned from the 10th day after the date of written order to commence the work given to the Contractor. If the Contractor does not commence the work within the period specified in the work order, he shall stand liable for the forfeiture of the amount of Earnest Money, and Security Deposit. Besides, appropriate action may be taken by the Engineer-in-charge/ competent authority to debar him from taking part in future tenders for a specified period or black list him. The work shall, throughout the stipulated period of completion of the contract, be proceeded with all due diligence, time being essence of the Contract, on the part of the Contractor. To ensure good progress during the execution of work, the Contractor shall be bound in all cases in which the time allowed for any work exceeds 1 month (save for special jobs) to complete 1/8th of the whole of the work before 1/4th of the whole time allowed under the contract has elapsed 3/8th of the work before 1/2 of such time has elapsed and 3/4th of the work before 3/4 of such time has elapsed. If the Contractor fails to complete the work in accordance with this time schedule in terms of cost in money, and the delay in execution of work is attributable to the Contractor, he shall be liable to pay compensation to RSRTC at every time span as below:

A.	Time Span of full Stipulated period	1/4 th (..... days)	1/2 th (..... days)	3/4 th (..... days)	Full (..... days)
B.	Work to be completed in terms of money	1/8 th (Rs.)	3/8 th (Rs.)	3/4 (Rs.)	Full (Rs.)
C.	Compensation payable by the Contractor for delay attributable to the Contractor at the stage	2.5% of Scheduled work remained unexecuted on the last day of (1/4) time span	5% of Scheduled work remained unexecuted on the last day of (1/2) time span	7.5% of Scheduled work remained unexecuted on the last day of (3/4) time span	10% of Scheduled work remained unexecuted on the last day of contracted full period

Note: In case delayed period over a particular span is split up and is jointly attributable to RSRTC and Contractor, competent authority may reduce the compensation in proportion of delay attributable to RSRTC over entire delayed period over that span after clubbing up the split delays attributable to RSRTC and this reduces compensation would be applicable over the entire delayed period without paying any escalation.

Following illustration is given:

- (i) First time span is of 6 months, delay is of 30 days which is split over as under:
5 days [attributable to RSRTC] + 5 days [attributable to Contractor] + 5 days [attributable to RSRTC] + 5 days [attributable to Contractor] + 5 days [attributable to RSRTC] + 5 days [attributable to Contractor].

Total delay is thus clubbed to 15 days [attributable to RSRTC] and 15 days [attributable to Contractor].

The normal compensation of 30 days as per clause 2 of agreement is 2.5% which can be reduced as $2.5 * 15/30 = 1.25$ over 30 days without any escalation by competent authority.

The Contractor, shall, further, be bound to carry out the work in accordance with the date and quantity entered in the progress statement attached to the tender.

In case the delay in execution of work is attributable to the Contractor, the span wise compensation, as laid down in this clause shall be mandatory. However in case the slow progress in one time span is covered up within original stipulated period then the amount of such compensation levied earlier shall be refunded. The price escalation, if any, admissible under clause 45 of Conditions of Contract would be admissible only on such rates and cost of work, as would be admissible if work would have been carried out in a particular time span. The Engineer-in-charge shall review the progress achieved in every time span, and grant stage wise extension in case of slow progress with compensation, if the delay is attributable to Contractor, otherwise, without compensation.

However, if for any special job, a time schedule has been submitted by the Contractor before execution of the agreement, and it is entered in agreement as well as same has been accepted by the Engineer-in-charge, the Contractor shall complete the work within the said time schedule. In the event of the Contractor failing to comply with this condition, he shall be liable to pay compensation as prescribed in foregoing paragraph of this clause provided that the entire amount of compensation to be levied under the provision of this clause shall not exceed 10% of the value of the contract. While granting extension in time attributable to RSRTC reasons shall be recorded for each delay.

CLAUSE 3: RISK & COST CLAUSE

The Engineer-in-charge or the Competent Authority defined under rules may, without prejudice to his rights against the Contractor, in respect of any delay or inferior workmanship or otherwise, or to any claims for damages in respect of any breaches of contract and without prejudice to any rights or remedies under any of the provisions of this contract or otherwise, and whether the date for completion has or has not elapsed by notice in writing, absolutely determine the contract in any of the following cases.

- (i) If Contractor having been given by the Engineer-in-charge, a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper or un-workmanlike manner, shall omit to comply with the requirements of such notice for a period of seven days, thereafter, or if the Contractor shall delay or suspend the execution of the work so that either in the judgment of the Engineer-in-charge (which shall be final and binding) he will be unable to secure completion of the work by due date for completion or if he has already failed to complete the work by that date.
- (ii) If the Contractor, being a company, shall pass a resolution or the Court shall make an order that the company shall be wound up or if a receiver or a manager, on behalf of a creditor, shall be appointed or if circumstances shall arise, which entitle the Court or Creditor to appoint a receiver or a manager or which entitle the Court to make a winding up order.
- (iii) If the Contractor commits breach of any of terms and conditions of this contract.
- (iv) If the Contractor commits any acts mentioned in Clause 19 hereof.

When the Contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-charge on behalf of Chairman of RSRTC shall have powers.

- (a) To determine or rescind the contract, as aforesaid (of which determination or rescission notice in writing to the Contractor under the hand of the Engineer-in-charge shall be conclusive evidence) upon such determination or rescission, the earnest money, full security deposit of the contract shall be liable to be forfeited and shall be absolutely at the disposal of RSRTC.
- (b) To employ labour paid by RSRTC and to supply materials to carry out the work or any part of the work, debiting the Contractor with the cost of the labour and the price of the materials (of the amount of which cost and price certified by the Engineer-in-charge shall be final and conclusive against the Contractor) and crediting him with the value of the work done in all respects in the same manner and at the same rates, as if it has been carried out by the Contractor under the terms of this contract. The certificate of the Divisional Officer, as to the value of the work done, shall be final and conclusive evidence against the contractor provided always that action under the sub-clause shall only be taken after giving notice in writing to the Contractor. Provided also, that if the expenses incurred by the RSRTC are less than amount payable to the Contractor at his agreement rates, the difference shall not be paid to the Contractor.
- (c) After giving notice to the Contractor to measure up the work of the Contractor and to take such part thereof as shall be unexecuted out of his hands and to give it to another Contractor to complete, in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Contractor, if the whole work had been executed by him [of the amount of which excess, the certificate in writing of the Engineer-in-charge shall be final and conclusive] shall be borne and paid by the original Contractor and may be deducted from any money due to him by RSRTC under this contract or any other account whatsoever, or from his Earnest Money, Security Deposit, Enlistment Security or the proceeds or sales thereof, or a sufficient part thereof as the case may be. In the event of any one or more of the above courses being adopted by the Engineer-in charge, the Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of contract. And, in case action is taken under any of provisions aforesaid, the Contractor shall not be entitled to recover or be paid, any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-charge has certified, in writing, the performance of such work and the value payable in respect thereof, and he shall only be entitled to be paid the value so certified.

CLAUSE 4: CONTRACTOR REMAINS LIABLE TO PAY COMPENSATION, IF ACTION NOT TAKEN UNDER CLAUSE 3:

- (i) In any-case in which any of the powers conferred by clause 3 hereof, shall have become exercisable and the same have not been exercised the non-exercise, thereof, shall not constitute waiver of any the conditions hereof, and such power shall not with standing , be exercisable in the event of any future case of default by the Contractor for which, by any clause or clause hereof, he is declared liable to pay compensation amounting to the whole of his security Deposit / Earnest Money / Enlistment security and the liability of the Contractor for past and future compensation shall remain unaffected.

Powers to take possession of, or require removal, sale of Contractor's plant:

- (ii) In the event of the Engineer-in-charge putting in force, powers vested in him under the preceding Clause 3 he may, if he so desires, take possession of all or any tools, plants, materials and stores, in or upon the works or the site, thereof or belonging to the Contractor or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account, at the contract rates or, in case of these not being applicable, at current market rates, to be certified by the Managing Director, RSRTC or duly authorized Engineer [whose certificate, thereof, shall be final and conclusive], otherwise the

Engineer-in-charge may, by notice in writing to the Contractor or his clerk of the works, foreman or other authorized agent, require him to remove such tools plant, materials or stores from the premises [within a time to be specified in such notice], and in the event of the Contractor failing to comply with any requisition, the Managing Director, RSRTC or other duly authorized Engineer may remove them at the Contractors expenses sell them by auction or private sale on account of the Contractor and at his risk in all respects, and the certificate of the Managing Director, RSRTC or other duly authorized Engineer, as to the expense of any such removal, and the amount of the proceeds and expense of any such sale shall be final and conclusive against the Contractor.

CLAUSE 5: EXTENSION OF TIME

If the Contractor shall desire an extension of time for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other grounds he shall apply, in writing, to the Engineer-in-charge within 30 days of the date of the hindrance, on account of which he desires such extension as aforesaid, and the authority competent to grant extension under the rules / delegations of powers or other duly authorized Engineer shall, if in his opinion, [which shall be final] reasonable grounds be shown therefore, authorize such extension of time, if any, as may, in his opinion, be necessary or proper, if the period of completion contract expires before the expiry of the period of one month provided in this clause, the application for extension shall be made before the expiry of the period stipulated for completion of the contract. The competent authority shall grant such extension at each such occasion within a period of 30 days of receipt of application from Contractor and shall not wait for finality of work. Such extensions shall be granted in accordance with provisions under Clause [2] of this agreement.

CLAUSE 5 A: MONTHLY RETURN OF EXTRA CLAIMS

Contractor has to submit a return every month for any work claimed as extra. The Contractor shall deliver the return in the office of the Executive Engineer and obtain Receipt Number of the Receipt Register of the day on or before 10th day of every month during the continuance of the work covered by this contract a return showing details of any work claimed as extra by the Contractor which value shall be based upon the rates and prices mentioned in the contract or in the Schedule of Rates in force in RSRTC for the time being. The Contractor shall be deemed to have waived all claims, not including such return, and will have no right to enforce any such claims not included, whatsoever be the circumstances.

CLAUSE 6: FINAL CERTIFICATE:

On completion of the work, the Contractor shall send a registered notice to the Engineer-in-charge, giving the date of completion and sending a copy of it to the officer accepting the contract on behalf of the RSRTC and shall request the Engineer in charge to give him a certificate of completion, but no such certificate shall be given nor shall the work be considered to be complete until the Contractor shall have removed from the site on which the work shall be executed, all scaffolding, surplus materials and rubbish and cleared off the dirt from all wood work, doors, walls, floors, or other parts of any building in upon or about which the work is to be executed or of which he may have possession for the execution thereof, he had filled up the pits. If the Contractor shall fail to comply with the requirements of this clause as to removal of scaffolding, surplus materials and rubbish and dirt and filling of pits on or before the date fixed for completion of the work, the Engineer-in-charge may, at the expense of the Contractor, remove such scaffolding, surplus materials, and the rubbish and dispose of the same, as he thinks fit, and clean off such dirt and fill the pit, as aforesaid, and the Contractor shall forthwith pay the amount of all expenses, so incurred, and shall have no claim in respect of any such scaffolding or surplus materials, as aforesaid, except for any sum actually realized by the sale thereof. On completion, the work shall be measured by the Engineer-in-charge himself or through his subordinates, whose measurements shall be binding and conclusive against the Contractor. Provided

that, if subsequent to the taking of measurements by the subordinate, as aforesaid, the Engineer-in-charge had reason to believe that the measurements taken by his subordinates are not correct, the Engineer-in-charge shall have power to cancel the measurements already taken by his subordinates and acknowledged by the Contractor and to take measurements again, after giving reasonable notice to the Contractor, and such re-measurements shall be binding on the Contractor.

Within 10/30 days of the receipt of the notice, Engineer-in-charge shall inspect the work and if there are no visible defects on the face of the work, shall give the Contractor, a certificate of completion. If the Engineer-in-charge finds that the work has been fully completed, it shall be mentioned in the certificate so granted. If, on the other hand, it is found that there are certain visible defects to be removed, the certificate to be granted by the Engineer-in-charge shall specifically mention the details of the visible defects along with the estimate of the cost for removing these defects. The final certificate of work shall be given after the visible defects pointed out as above have been removed.

(delete whichever is not applicable). (10 days will apply to work at the Head Quarter of Engineer-in-charge and 30 days for works at other place)

CLAUSE 7: PAYMENTS OF INTERMEDIATE CERTIFICATE TO BE REGARDED AS ADVANCE

No payments shall be made for works estimated to cost less than Rupees Twenty Five Thousand Only, till after the whole of the works shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than Rupees Twenty Five Thousand, the Contractor shall on submitting the bill therefore, be entitled to receive a monthly payment proportionate to the part, thereof, then approved and passed by the Engineer-in-charge, whose certificate of such approval and passing of sum so payable, shall be final and conclusive. Running Account Bill shall be paid within 15 days from presentation. But all such intermediate payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the requiring of bad unsound and imperfect or unskillful work to be removed and taken away and re-constructed or re-erected, or considered as an admission of the due performance of the contract, or any part thereof, in any respect, or the accruing of any claim, nor shall it conclude, determine, or effect in any way the powers of the Engineer-in charge under these conditions or any of them to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be made / submitted by the Contractor within one month of the date fixed for completion of the work otherwise the Engineer-in-charge's certificate of the measurement and of the total amount payable for the work accordingly shall be final and binding on all parties.

CLAUSE 7 A: A TIME LIMIT FOR PAYMENTS OF FINAL BILLS

The final bill shall be paid within 3 months on presentation by the Contractor after issuance of final completion certificate in accordance with Clause 6 of the conditions of the Contract. If there shall be any dispute about any item(s) of the work, then the undisputed item(s) only shall be paid within the said period of 3 months. If a final bill (which contains no disputed item or disputed amount of any item) is not paid within 3 months from presentation of final bill or 6 months from the date of receipt of registered notice regarding completion of work in accordance with Clause 6 of the conditions of the contract, the defects, if any, shall be brought to the notice of the higher authority. The period of 3 months shall commence from the date rectification of the defects. The higher authority shall ensure that in no case final bill should be left unpaid after 9 months from the receipt of registered notice regarding completion of work. The Contractor shall submit a memorandum of the disputed items along with justification in support within 30 days from the disallowance thereof, and if he fails to do so, his claim shall be deemed to have been fully waived and absolutely extinguished.

CLAUSE 8: BILLS TO BE SUBMITTED MONTHLY

A bill shall be submitted by the Contractor each month on or before the date fixed by the Engineer-in-charge for all work executed in the previous month and the Engineer-in-charge shall take or cause to be taken the requisite measurement of the purpose of having the same verified and the claim, as far as admissible, authorized or paid, if possible, before the expiry of ten days from the presentation of the bill. If the Contractor does not submit the bill within the time fixed, as aforesaid, the Engineer-in-charge may depute a subordinate to measure up the said work in the presence of the Contractor, whose signature in the Measurement Book will be sufficient warrant and the Engineer-in-charge may prepare a bill from such Measurement Book which shall be binding on the Contractor in all respects.

CLAUSE 8 A: CONTRACTOR TO BE GIVEN TIME TO FILE OBJECTION TO THE MEASUREMENT RECORDED BY RSRTC

Before taking any measurement of any work as have been referred to the preceding clauses 6, 7 & 8 the Engineer-in-charge or subordinate, deputed by him shall give reasonable notice to the Contractor. If the Contractor fails to be present at the time of taking measurements after such notice or fails to sign or to record the difference within a week from the date of measurement in the manner required by the Engineer-in-charge then in any such event, the measurements taken by the Engineer-in-charge or by the subordinate deputed by him, as the case may be, shall be final and binding on the Contractor and the Contractor shall have no right to dispute the same.

CLAUSE 9: BILLS TO BE ON COMPUTERIZED PRINTED FORMS:

The Contractor shall submit all bills on the computerized prints in approved formats by EIC. A soft Copy of the Bills shall also be submitted along with the hard copy of the Bills including all the Measurement Sheets with all relevant formulae. The System of Billing shall be Cumulative Billing System and all Measurements shall be jointly signed between the OWNER & the CONTRACTOR before making detailed Measurement Sheets / Book.

CLAUSE 9 A: PAYMENTS OF CONTRACTOR'S BILLS TO BANKS

Payments due to the Contractor may if so desired by him, be made to his Bank instead of direct to him, provided that the Contractor has furnished to the Engineer-in-charge (i) an authorization in the form of a legally valid document, such a power of Attorney conferring authority on the Bank to receive payments and (ii) his own acceptance of the correctness of the account made out, as being due to him, by RSRTC , or his signature on the Bill or other claim preferred against RSRTC before settlement by the Engineer-in-charge of the account or claim, by payment to the Bank. While the receipt given by such Bank shall constitute a full and sufficient discharge for the payment, the Contractor should whenever possible, present his bill duly receipted and discharged through his Banker. Nothing, herein contained, shall operate to create in favour of the Bank any rights vis-à-vis RSRTC.

CLAUSE 10: STORES SUPPLIED BY RSRTC

If the specification or estimate of the work provides for the use of any special description of material, to be supplied from Engineer-in-charge's stores, or if, it is required that Contractor shall use certain stores to be provided by the Engineer-in-charge specified in the schedule or memorandum hereto annexed, the Contractor shall be bound to procure and shall be supplied such materials and stores as are, from time to time, required to be used by him for the purpose of the contract only, and the value of the full quantity of materials and stores, so supplied at the rates specified in the said schedule or memorandum, may be set off or which may be deducted from any sum, then due or thereafter

become due, to the Contractor under the contract or otherwise or against or from the Performance Guarantee and or Security Deposit or the proceeds of sale, if the same is held in RSRTC securities, the same or sufficient portion thereof being in this case, sold for this purpose. All materials supplied to the Contractor either from RSRTC stores or with the assistance of RSRTC shall remain the absolute property of RSRTC. The Contractor shall be the trustee of the stores / materials, so supplied / procured, and these shall not, on any account, be removed from the site of work and shall be, at all times open for inspection by the Engineer-in-charge. Any such material, unused and in perfectly good condition at the time of completion or determination or rescinding of the contract, shall be returned to the RSRTC's Stores. If by a notice in writing under his hand, he shall so require, and if on service of such notice, the Contractor fails to return such materials so required, he shall be liable to pay the price of such materials in accordance with the provisions of Clause 10 B *ibid*. But the Contractor shall not be entitled to return any such materials, unless with such consent, and shall have no claim for compensation on account of any such materials, so supplied to him as aforesaid being unused by him, or for any wastage in or damage to any such materials. For the stores returned by the Contractors, he shall be paid for at the price originally charged excluding storage charges, in case of materials supplied from RSRTC stores and actual cost including freight, cartage, taxes etc. paid by the Contractor, in case of supplies received with the assistance of RSRTC, which, however, should in no case exceed market rate prevailing at the time materials are taken back. The decision of the Engineer-in-charge, as to the price of the stores returned, keeping in view its conditions etc. shall be final and conclusive. In the event of breach of the aforesaid condition, the Contractor shall, in addition to throwing himself open to account of contravention of the terms of the license or permit and / or for criminal breach of trust, pay to RSRTC all advantages or profits resulting, or which in the usual course, would result to him by reason of such breach. Provided that the Contractor shall, in no case be entitled to any compensation or damage on account of any delay in supply, or non-supply thereof, all or any such materials and stores.

CLAUSE 10 A: REJECTION OF MATERIALS PROCURED BY THE CONTRACTOR

The Engineer-in-charge shall have full powers to require the removal from the premises of all materials which in his opinion, are not in accordance with the specifications and, in case of default, the Engineer-in-charge shall be at liberty to employ other person(s) to remove the same without being answerable or accountable for any loss or damage, that may happen or arise to such materials to be substituted thereof, and in case of default, Engineer-in-charge may cause the same to be supplied and all costs which may attend such removal and substitution, are to be borne by the Contractor.

CLAUSE 10 B: PENAL RATE IN CASE OF EXCESS CONSUMPTION

The Contractor shall also be charged for the materials consumed in excess of the requirements calculated on the basis of **standard consumption approved by the RSRTC** at double of the issue rate including storage and supervision charges or market rate, whichever is higher. A Material Supply and Consumption Statement, in prescribed Form **RPWA 35A** shall be submitted with every Running Account Bill, distinguishing material supplied by RSRTC and the material procured by the Contractor himself. The recovery for such material shall be made from Running Account Bill next after the consumption and shall not be deferred. Certificate of such nature shall be given in each Running Account Bill.

CLAUSE 10 C: HIRE OF PLANT & MACHINERY

Special Plant and Machinery required for execution of the work, may be issued to the Contractor if available, on the rates of hire charges and other terms and conditions as per RSRTC Rules, **as per Schedule annexed to these conditions**. Rates of such Plant and Machinery shall be got revised periodically so as to bring them at par with the market rate.

CLAUSE 11: WORKS TO BE EXECUTED IN ACCORDANCE WITH SPECIFICATIONS, DRAWING ORDERS ETC.

The Contractor shall execute the whole and every part of the work in the most substantial and satisfactory manner and both as regards materials and otherwise in every respect, in strict accordance with the Specifications. The Contractor shall also conform exactly fully and faithfully to the designs, drawings and instructions in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the Contractor shall be entitled to have access at such office or on the site of the work for the purpose of inspection during office hours and the Contractor shall, if he so require, be entitled, at his own expense, to make or cause to be made copies of specifications and of all such designs, drawings and instructions as aforesaid. A Certificate of executing works as per approved design and specifications etc. shall be given on each Running Account Bill.

The specification of work, material and methodology of execution, drawings and designs shall be signed by the Contractor and the Executive Engineer while executing agreement and shall form part of agreement.

CLAUSE 12:

The Engineer-in-charge shall have power to make any alteration, omissions or additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary during the progress of the work and the Contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-charge, and such alteration, omission, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work, which the Contractor may be directed to do in the manner above specified, as part of the work shall be carried out by the Contractor on the same conditions in all respects on which he agreed to do the main work. The time for the completion of the work shall be extended in the proportion that the altered, additional or substituted work bears to the original contract work and the certificate of the Engineer-in-charge shall be conclusive as to such proportion. The rates for such additional altered or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order.

- (i) If the rates for the additional, altered or substituted work are specified in the contract for the work, the Contractor is bound to carry out the additional, altered or substituted work at the same rates as are specified in the contract for the work.
- (ii) If the rates for the altered, additional or substituted work cannot be determined in the manner specified provided in the contract for the work, then such rates will be derived from the rates for a similar class of work as are specified in the contract for the work.
- (iii) If the rates for the altered, additional or substituted work cannot be determined in the manner specified in the sub-clause (i) to (ii) above, then the rates for such composite work item shall be worked out on the basis of concerned Schedule of Rates of RSRTC / area specified above minus / plus the percentage which the total tendered amount bears to the estimated cost of the entire work put to tender. Provided always that if the rate for a particular part or parts of the item is not in the Schedule of Rates, the rate for such part or parts will be determined by the Engineer-in-charge on the basis of the prevailing market rates, when the work was done.
- (iv) If the rates for the altered, additional or substituted work item cannot be determined in the manner specified in sub-clause (i) to (iii) above, then the Contractor shall within 7 days of the date of receipt of order to carry out the work, inform the Engineer-in-charge of the rate which it is his intention to charge for such class of work supported by analysis of the rate or rates claimed and the Engineer-in-charge shall determine the rate or rates on the basis of prevailing market rates, and pay the Contractor accordingly. However, the Engineer-in-charge, by notice in writing, will be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may considered advisable. But under no circumstances, the Contractor shall suspend the work on the plea of non-settlement of rates on items failing under the clause.

- (v) Except in case of items relating to foundations, provisions contained in sub-clause (i) to (iv) above shall not apply to contract or substituted items as individually exceed the percentage set out in the tender documents under Clause 12 A.

For the purpose of operation of Clause 12(v) the following works shall be treated as work relating to foundation:

- (a) For buildings, compound wall, plinth level or 1.2 meters (4 ft.) above ground level whichever is lower, excluding items above flooring and D.P.C. but including base concrete below the floors.
- (b) For abutments, piers, retaining wall of culverts and bridges, walls of water reservoir and the bed of floor level.
- (c) For retaining walls, where a floor level is not determinate, 1.2 meters above the average ground level or bed level.
- (d) For roads, all items of excavation and filling including treatment of sub base and soling work.
- (e) For water supply lines, sewer lines underground storm water drains and similar work, all items of work below ground level except items of pipe work for proper masonry work.
- (f) For open storm water drains, all items of work except lining of drains.
- (g) Any other items of similar nature which Engineer-in-charge may decide relating to foundation.

The rate of any such work, except the items relating to foundations, which is in excess of the deviation limit, shall be determined in accordance with the provisions contained in Clause 12A.

CLAUSE 12 A:

The quantum of additional work for each item shall not exceed 50% of the original quantity given in the agreement and the total value of additional work shall not exceed 20% of the total contract value, unless otherwise mutually agreed by the Engineer-in-charge and the Contractor. The limit shall not be applicable on items relating to foundation work which shall be executed as per original rates of provision of clause 12(i) or (iv).

In case of contract substituted items or additional items, which result in exceeding the deviation limit laid down in this clause except items relating to foundation work, which the Contractor is required to do under clause 12 above, the Contractor shall within 7 days from the receipt of order, claim revision of the rate supported by proper analysis in respect of such items for quantities in excess of the deviation limit notwithstanding the fact that the rates for such items exist in the tender for the main work or can be derived in accordance with the provision of sub-clause (ii) of clause 12 and the Engineer-in-charge, may revise their rates having regard to the prevailing market rates and the Contractor shall be paid in accordance with the rates so fixed. The Engineer-in-charge shall, however, be at liberty to cancel his order to carry out such increased quantities of work by giving notice in writing to the Contractor and arrange to carry it out in such manner as he may consider advisable. But under no circumstances, the Contractor shall suspend the work on the plea of non-settlement of rates of items falling under this clause.

All the provisions of the preceding paragraph shall equally apply to the decrease in rates of items for quantities in excess of the deviation limit notwithstanding the fact that the rates for such items exist in the tender for the main work or can be derived in accordance with the provisions of sub-clause (ii) of the preceding clause 12 and the Engineer-in-charge may revise such rates having regard to the prevailing market rates unless otherwise mutually agreed by the Engineer-in-charge and the Contractor.

CLAUSE 13: NO COMPENSATION FOR ALTERATIONS IN OR RESTRICTION OF WORK TO BE CARRIED OUT

If, any time after the commencement of work, RSRTC, shall for any reason, whatsoever, not require the whole work thereof, as specified in the tender, to be carried out, the Engineer-in-charge shall give

notice in writing, of the fact to the Contractor, who shall have no claim to any payments or compensation, whatsoever, on account of any profit or advantage, which he might have derived from the execution of the work in full but which he did not derive in consequence of the full amount of the work not having been carried out, neither shall he have any claim for compensation by reasons of alterations having been made in the original specifications, drawings and design and instructions, which shall involve any curtailment of the work, as originally contemplated. Provided, that the Contractor shall be paid the charges for the cartage only, of materials actually brought to the site of the work by him for bonafide use and rendered surplus as a result of the abandonment or curtailment of the work as any portion thereof, and taken them back by the Contractor provided, however that the Engineer-in-charge shall have, in all such cases, the option of taking over all or any such materials at their purchase price or at local market rates whichever may be less. In the case of such stores, having been issued from RSRTC stores, charges recovered, including storage charges shall be refunded after taking into consideration any deduction for claim on account of any deterioration or damage while in the custody of the Contractor, and in this respect the decision of the Engineer-in-charge shall be final.

CLAUSE 14: ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK

If, it shall appear to the Managing Director, RSRTC or any authorized authority or the Engineer-in-charge or his subordinates in-charge of the work, or to the committee of retired officer / officers appointed by the RSRTC for the purpose that any work has been executed with unsound, imperfect or unskillful workmanship, or with material of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted or otherwise not in accordance with contract, the Contractor shall on demand in writing from the Engineer-in-charge, specifying the work/materials or articles complained of, notwithstanding that the same may have been inadvertently passed, certified and paid for, will rectify or remove and reconstruct the work, so specified, in whole or in part, as the case may be, remove the materials or articles, so specified, and provide other proper and suitable materials or articles, at his own cost, and in the event of his failing to do so, within a period to be specified by the Engineer-in-charge in his demand, as aforesaid, then the Contractor shall be liable to pay compensation, at the rate of one percent, on the tendered amount of work for every week, not exceeding ten percent, while his failure to do so shall continue, and in the case of any such failure, the Engineer-in-charge may rectify or remove and re-execute the work with others, the materials or articles complained of as the case may be, at the risk and expense, in all respects of the Contractor.

CLAUSE 15: WORK TO BE OPEN TO INSPECTION: CONTRACTOR OR HIS RESPONSIBLE AGENT TO BE PRESENT

All work, under or in course of execution or executed in pursuance of the contract, shall, at all times, be open to inspection and supervision of the Engineer-in-charge and his superior officer e.g. Superintending Engineer, Managing Director, RSRTC, and his subordinates and any other authorized agency of RSRTC and the Contractor shall, at all times during the usual working hours, and at all other items at which reasonable notice of the intention of the Engineer-in-charge or his subordinate or any other authorized agency of RSRTC or committee of retired officer / officers appointed by the RSRTC for the purpose to visit the works shall have been given to Contractor, either himself be present to receive orders and instruction or have a responsible agent, duly accredited in writing, present for the purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.

CLAUSE 16: NOTICE TO BE GIVEN BEFORE ANY WORK IS COVERED UP

The Contractor shall give not less than 7 days' notice, in writing to the Engineer-in-charge or his subordinate-in-charge of the work, before covering up or otherwise placing beyond the reach of measurement, any work in order that the same may be measured, and correct dimensions thereof, be

taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in-charge of the work, and if, any work, shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the Contractor's expense or in default, thereof, no payment or allowance shall be made for such work, or for the materials, with which the same was executed.

CLAUSE 17: CONTRACTOR LIABLE FOR DAMAGE DONE AND FOR IMPERFECTIONS:

If the Contractor or his work people or servants shall break, deface, injure or destroy any part of a building, in which they may be working or any building, road, fence, enclosure, or cultivated ground contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work, while in progress, from any cause, whatsoever, or any imperfections become apparent in it, within a period specified in Clause 37, after a Certificate, final or otherwise of its completion shall have been given by the Engineer-in-Charge, may cause the same to be made good by other workmen and deduct the expense (of which the certificate of the Engineer-in-charge shall be final) from any sums that may be then, or at any time, thereafter, may become due to the Contractor, or from his security deposit, or the proceeds of sale thereof, or of a sufficient portion thereof.

CLAUSE 18: CONTRACTOR TO SUPPLY PLANT, LADDERS, SCAFFOLDING ETC.

The Contractor shall arrange and supply at his own cost, all material (except such special materials, if any as may in accordance with the contract, be supplied from the Engineer-in-charge's stores) plants, tools, appliances, implements, ladders, cordage, cackle. Scaffolding and temporary work a requisite or proper for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other documents, forming part of the contract, or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirement of the Engineer-in-charge as to any matter as to which, under these conditions, he is entitled to be satisfied of which he is entitled to require, together with carriage thereof to and from the work. This Contractor shall also arrange and supply, without charge, the requisite number of persons with the means and material necessity for the purpose of setting out work and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work, or materials. Failing his so doing, the same may be provided by the Engineer-in-charge, at the expense of the Contractor, and the expenses may be deducted from any money due to the Contractor under the contract, or from his Performance Guarantee and/ or Security Deposit or the proceeds of sale thereof, or a sufficient portion thereof. The Contractor shall also provide all necessary fencing and lights required to protect the public from accident and shall be bound to bear the expenses of defense of every suit, action or other proceeding at law, that may be brought by any person for injury sustained owing to neglect of the above precautions, and to pay any damages and costs, which may be awarded in any such suit, action proceeding to any such person or which may with consent of the Contractor, be paid to compromise any claim by any such person.

CLAUSE 19: WORK NOT TO BE SUB-LET, CONTRACT MAY BE RESCINDED AND SECURITY DEPOSIT AND PERFORMANCE GUARANTEE FORFEITED FOR SUBLETTING, BRIBING OR IF CONTRACTOR BECOMES INSOLVENT:

The contract shall not be assigned or sublet without the written approval of the Managing Director, RSRTC, and if the Contractor shall assign or sublet his contract or attempt so to do, or become insolvent, or commence any insolvency proceeding of mark any composition with his creditors or attempt solo do, or if any bribe, gratuity, gift, loan, requisite reward or advantage, pecuniary or otherwise, shall either, directly or indirectly be given promised or offered by the Contractor or any of his servants or agents, to any public officer or person, in the employ of RSRTC, in any way, relating to this office or employment, or if any such officer or person shall become, in any way, directly or indirectly interested in the contract, the Managing Director, RSRTC may, there upon by notice, in writing, rescind the contract and the **Performance Guarantee and/OR Security Deposit** of the Contractor shall, thereupon, stand forfeited and be absolutely at the disposal of RSRTC and the same consequences shall ensure as, if the contract had been rescinded under **Clause 3** hereof and in

addition the Contractor shall not be entitled to recover or be paid for any work therefore, actually performed under the contract.

CLAUSE 20: SUMS PAYABLE BY WAY OF COMPENSATION TO BE CONSIDERED AS REASONABLE COMPENSATION WITHOUT REFERENCE TO ACTUAL LOSS

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of RSRTC without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

CLAUSE 21: CHANGES IN CONSTITUTION OF FIRM:

Where the Contractor is a partnership firm, the previous approval, in writing of the Engineer-in charge shall be obtained before any change is made in the constitution of the firm. Where the Contractor is an individual of a Hindu Undivided Family business concern, such approval, as aforesaid, shall likewise be obtained before the Contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the work thereby undertaken by the Contractor. If, previous approval, as aforesaid, is not obtained, the contract shall be deemed to have been assigned in contravention of **Clause 19** hereof, and the same action may be takes, and the same consequences shall ensure, as provided in the said Clause19.

CLAUSE 22: WORKS TO BE UNDER DIRECTION OF ENGINEER-IN-CHARGE:

All the works to be executed under the contract, shall be executed under the direction and subject to the approval in all respect, of the Engineer-in-charge of RSRTC for the time being who shall be entitled to direct, at what point or points and in what manner they are be commenced, and form time to time, carried on.

CLAUSE 23: STANDING COMMITTEE FOR SETTLEMENT OF DISPUTES:

If any question, difference or objection, whatsoever shall arise in any way, in connection with of arising out of this instrument, or the meaning of operation of any part thereof, or the rights, duties or liabilities of either party then, save in so far, as the decision of any such matter, as herein before provided for, and been so decided, every such matter constituting a total claim of Rs. 50,000/- or above, whether its decision has been otherwise provided for and whether it has been finally decided accordingly, or whether the contract should be terminated, or has been rightly terminated, and as regards the rights or obligations of the parties, as the result of such termination, shall be referred for decision to the Empowered Standing Committee of RSRTC, which would consist of the following:

- (i) Managing Director
- (ii) FA & CAO or his nominee, not below the rank of Dy. G.M.
- (iii) GM (Law) or his nominee not below the rank of EM (Law)
- (iv) SE (Civil)
- (v) EM (Civil) concerned (member secretary)

The Engineer-in-charge on receipt of application along with non-refundable prescribed fee, (the fee would be two percent of the amount in dispute, not exceeding Rs. One Lac) from the Contractor shall refer the disputes to the Committee within a period of one month from date of receipt of application. Procedure and Application for referring cases for settlement by the Standing Committee shall be as given in Form RPWA 90 or practice in the Govt. of Rajasthan.

CLAUSE 23: A CONTRACTOR TO INDEMNIFY FOR INFRINGING OF PATENT OR DESIGN:

Contractor shall fully indemnify Chairman, RSRTC against any action, claim or proceeding, relating to infringement or use of any patent or design or any alleged patent or design, rights, and shall pay any royalties, which may be payable in respect of any article of part thereof, included in the contract, in the event of any, claims made under or action brought against RSRTC. In respect of any such matters as aforesaid, the Contractor shall be, immediately, noticed thereof and the Contractor shall be at liberty,

at his own expense to settle any dispute or to conduct any litigation, that may arise there from provided that the Contractor shall not be liable to indemnify Chairman, RSRTC, if the infringement of the patent or design or any alleged patent, or design, right is the direct result of an order passed by the Engineer-in-charge in this behalf.

CLAUSE 24: IMPORTED STORE ARTICLES TO BE OBTAINED FROM RSRTC

The Contractor shall obtain from the stores of the Engineer-in-charge, all imported store articles, which may be required for the work of any part thereof, or in making up strides required thereof, or in connection therewith, unless he has obtained permission in writing, from the Engineer-in-charge, to obtain such stores and articles from else-where. The value of such stores and articles, as may be supplied to the Contractor by the Engineer-in-charge, will be debited to the Contractor, in his account at the rates shown in the schedule attached to the contract, and if they are not entered in the schedule, they will be debited at cost price, which for the purpose of this contract, shall include the cost or carriage and all other expenses, whatsoever, which shall have been incurred in obtaining delivery of the same as the stores aforesaid plus storage charges.

CLAUSE 25: LUMP-SUMS IN ESTIMATES

When the estimate on which a tender is made includes lump sums, in respect of parts of the work, the Contractor shall be entitled to payment in respect of the item of work involved or the part of the work in question at the same rates as are payable under the contract for such items or if the part of the work in question is not in the opinion of the Engineer-in-charge, capable of measurement, the Engineer-in-charge may at his discretion pay the lump sum amount entered in the estimate and the certificate in writing of the Engineer-in-charge shall be final and conclusive with regard to any sum or sums payable to him under the provision Of this clause.

CLAUSE 26: ACTION WHERE NO SPECIFICATION

In case of any Class of work for which there is no such specification as is mentioned in Rule I, such work shall be carried out in accordance with the detailed specification of the RSRTC or the manufactures specifications, in accordance with the instructions and requirement of the Engineer in-charge.

CLAUSE 27: DEFINITION OF WORK

The expression "Works" of "Work" where used in these conditions, shall, unless there be something either in subject or context, repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract to be executed, whether temporary or permanent, and whether original, altered, substituted or additional.

CLAUSE 27 A: DEFINITION OF ENGINEER-IN-CHARGE

The term "Engineer-in-charge" means the Executive Manager (Civil), who shall supervise, and be in charge of the work and who shall sign the contract on behalf of RSRTC.

CLAUSE 28:

It cannot be guaranteed that the work will be started immediately after the tenders have been received. No claims for increase of rate will be entertained, if the orders for starting work are delayed.

CLAUSE 29: PAYMENT AT REDUCED RATES ON ACCOUNT OF ITEMS OF WORK NOT ACCEPTED AND NOT COMPLETED TO BE AT THE DISCRETION OF THE ENGINEER-IN-CHARGE

The rates for several items of works, estimated to cost more than Rs. 1,000/- agreed within, will be valid only when the item concerned is accepted, as having been completed fully in accordance with

the sanctioned specifications. In cases, where the items of work are not accepted, as so completed, the Engineer-in-charge may make payment on account of such items, at such reduced rates as he considers reasonable in the preparation of final or on account bills, and his decision in the matter shall be final and binding.

CLAUSE 29A: PAYMENT AT PART RATES

The rates for several items of works may be paid at part rates provisionally in running bills in proportion to the quantum of items executed at the discretion of Engineer-in-Charge. In case of Item rates, if the rate quoted for certain items are very high in comparison to the average/overall tender premium than the payment at running stages shall not be made more than the average sanctioned premium. The deferred payment will however be released after successful completion of the work.

CLAUSE 30: CONTRACTOR'S PERCENTAGE, WHETHER APPLIED TO NET OR GROSS AMOUNT OF BILLS

The percentage referred to the "Tender for works" will be deducted/added from/ to the gross amount of bill before deducting the value of any stock issued.

CLAUSE 31: CONTRACTOR TO ADHERE TO LABOUR LAWS/REGULATION :

The Contractor shall adhere to the requirements of the Workmen's Compensation Act and Labour Legislation in force from time to time and be responsible for and shall pay any compensation to his workmen which would be payable for injuries under the Workmen Compensation Act, hereinafter called the said Act. If such compensation is paid by RSRTC as Principal employer under Sub Section (1) of section 12 of the said Act, on behalf of the Contractor it shall be recoverable by RSRTC from the Contractor under sub Section (2) of the said section. Such compensation shall be recovered in the manner laid down in clause 1 of the conditions of contract.

CLAUSE 32: WITHDRAWAL OF WORK FROM THE CONTRACTOR:

(a) Withdrawal of Part of the work or work not executed:

If the Engineer-in-charge shall at any time and for any reasons, whatever, including inability to maintain prorata progress, think any portion of the work should not be executed or should be withdrawn from the Contractor, he may by notice in writing to that effect, require the Contractor not to execute the portion of the work specified in the notice, or may withdraw from the Contractor the portion of work, so specified, and the Contractor shall not be entitled to any compensation, by reason of such portion of work having been withdrawn from him. The Engineer-in-charge may supplement the work by engaging another agency to execute such portion of the work at the cost of the original contractor without prejudice to his rights under **clause 2**. He shall also be competent to levy compensation for delay in progress. The recovery of excess cost shall be made from next available running bill or any other claim and shall not be deferred.

(b) Withdrawal of whole of the work:

If, for any reason, at any stage of the work, the Engineer in-charge thinks that the work is not to be executed through the Contractor, he shall withdraw whole of the work from the Contractor and no claim on account of assumed profit for the work not executed shall be admissible to the Contractor. No other compensation shall be admissible in such an eventuality.

CLAUSE 33:

The contract includes clearance, leveling and dressing of site within a distance of 15 meters of the building on all sides except where the building adjoins another building.

CLAUSE 34: PROTECT WORKS

The Contractor shall arrange to protect at his own cost, in an adequate manner all cut stone work and other work, requiring protection and to maintain such protection, as long as work is in progress. He shall remove and replace this protection as required by the Engineer-in-charge, from time to time, Any damage to the work, so protected no matter how it may be caused, shall be made good by the Contractor free of cost.

All templates, forms, moulds, centering, false works and models, which in the opinion of the Engineer-in-charge, are necessary for the proper and workmanlike execution of the work, shall be provided by the Contractor free of cost.

CLAUSE 35: CONTRACTOR LIABLE FOR SETTLEMENT OF CLAIMS CAUSED BY HIS DELAYS

If the progress of the work has fallen so much in arrears as to prevent other Contractors on the work, from carrying out their part of the work within the stipulated time he will be liable for the settlement of any claim, put in by any of these Contractors for the expenses of keeping their labour unemployed, to the extent considered reasonable by the Engineer-in-charge.

CLAUSE 36 A:

The liability, if any, on account of quarry fees, royalties, octroi and any other taxes and duties in respect of materials actually consumed on public work, shall be borne by the Contractor.

CLAUSE 36 B:

The cost of all water connections, necessary for the execution of work, and the cost of water consumed and hire charges of meters and the cost of electricity consumed in connection with the execution of work, shall be paid by the Contractor except where otherwise specifically indicated.

CLAUSE 36 C: PAYMENTS OF SALES TAX, AND ANY OTHER TAXES

Royalty or other tax on materials, issued in the process of full-filling contract payable to Govt. under rules in force, will be paid by the Contractor himself.

CLAUSE 36 D:

In respect of goods and materials procured by the Contractor for use in works under the contract, sales tax will be paid by the Contractor himself. But in respect of all such goods manufactured and supplied by the Contractor and works executed under the contract, the responsibility of payment of sales tax would be that of the Engineer-in-charge.

CLAUSE 37: REFUND OF PERFORMANCE GUARANTEE & SECURITY DEPOSIT:

The performance guarantee and / or security deposit will be refunded after expiry of the period as prescribed below:-

- a) In case of contract relating to hiring of trucks and other T&P, transportation including loading, unloading of materials, the amount of performance guarantee/ security deposit is refundable along with the final bill.
- b) Supplies of material: As per provision of the G.F. & A.R.
- c) Ordinary repairs: 3 months after completion of the work provided the final bill has been paid.

- d) **Original works/Special works/Renewal works:** 6 months after completion except in case of works, such as building works, bridge works, cross drainage works, Dams Canals, water supply and sewerage schemes (except where provided otherwise in any specified case) etc. the performance guarantee / security deposit will be refunded 6 months after completion or expiry of one full rainy season or after expiry of defect liability period, whichever is later, provided the final bill has been paid.

CLAUSE 38: FAIR WAGE CLAUSE

- a) The Contractor shall pay not less than fair wages/minimum wages to labourers engaged by him on the work as revised from time to time by Government but RSRTC shall not be liable to pay anything extra for it except as stipulated in price escalation clause (clause 45) of the agreement.
Explanation: "Fair Wage" means minimum wages for time or piece work, fixed or revised, by the State Government under the Minimum Wages Act, 1948.
- b) The Contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wages to labourers indirectly engaged on the work, including any labour engaged by his sub-Contractors in connection with the said work as if the labourers have been immediately or directly employed by him.
- c) In respect of all labourers immediately or directly employed on the work, for the purpose of the Contractor's part of this agreement, the Contractor shall comply with or cause to be complied with the Public Works Department Contractor's Labour Regulations made, or that may be made by the Government, from time to time, in regard to payment of wages, wage period, deductions from wages, recovery of wages not paid, and unauthorized deductions, maintenance of wages register, wages card, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and other matters of a like nature.
- d) The Engineer-in-charge shall have the right to deduct from the money due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers, by reason of non-full fulfillment of the conditions of the contract, for the benefit of the worker or workers, non-payment of wages or of deductions made therefrom, which are not justified by the terms of the contract, or as a result of non-observance of the aforesaid regulations.
- e) Vis-à-vis, Government of Rajasthan, the Contractor shall be primarily liable for all payments to be made and for the observance of the regulations aforesaid, without prejudice to his right to claim indemnity from his sub-Contractors.
- f) The regulations, aforesaid, shall be deemed to be part of this contract and any breach, thereof, shall be deemed to be breach of the contract.
- g) CPF @ 12% of wages of the workman of the Contractor alongwith equal share of the employer's contribution shall be deducted by Executive Manager (Civil) from the bill of the Contractor under P.F. Scheme. In case the wages paid are less than minimum wages paid by the Contractor the deduction shall be made on the minimum wages and not on the actual wages. However, if the wages paid by the Contractor are more than the minimum wages deduction shall be made sent by the E.M. (Civil) to secretary, Board of Trustees, RSRTC through AAO (Payment), Head Office, every month latest by 5th of the following month.
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CLAUSE 39: CONTRACTOR TO ENGAGE TECHNICAL STAFF

The Contractor shall engage the technical staff, as follows, on the contracted work:

- (a) For works costing Rs. 100 Lacs and above. One Graduate Engineer.
- (b) For works costing between Rs. 50 Lac to Rs. 100 Lac One qualified diploma holder having experience of not less than 3 years.
- (c) For works costing between Rs. 15 Lac to Rs. 50 Lac One qualified diploma holder.

The technical staff should be available at site, whenever required by Engineer-in-charge to take instructions.

CLAUSE 39A:

The Contractor shall comply with the provisions of the Apprenticeship Act, 1961, and the Rules and Orders issued there under, from time to time. If he fails to do so, his failure will be breach of contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

CLAUSE 40: SAFETY CODE

The Contractor shall follow relevant safety code as may be applicable for various items involved in the contract.

CLAUSE 41: NEAR RELATIVES BARRED FROM TENDERING

The Contractor shall not be permitted to tender for works in RSRTC if his near relative is posted on the Project site as an officer in any capacity between the grades of the Superintending Engineer and Assistant 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 officer in RSRTC. Any breach of this condition by the Contractor would render him liable to be removed from the approved list of Contractors of the RSRTC. If such fact is noticed (a) before sanction of tender, his offer shall be declared invalid and earnest money, shall be forfeited, (b) after sanction of the tender then the tender sanctioning authority may at his discretion forfeit his earnest money, performance guarantee, security deposit and enlistment deposit and may allot the work/ remaining work to any registered Contractor on the same rates as per rules.

Note: By the term 'near relative' is meant wife, husband and grandparents, children and grandchildren, brothers and sister, uncles and cousins and their corresponding in-laws.

CLAUSE 42: RETIRED GAZETTED OFFICERS BARRED FOR 2 YEARS

No Engineer of Gazetted rank or other Gazetted Officer, employed in Engineering or Administrative duties in an Engineering Department of Government of Rajasthan or in any engineering wing of RSRTC, is allowed to work as a Contractor for a period of 2 years of his retirement from Government of Rajasthan or RSRTC service without the previous permission of Government of Rajasthan or RSRTC as the case may be. The contract is liable to be cancelled, if either the Contractor or any of his employees is found, at any time, to be such a person, who had not obtained the permission of Government of Rajasthan or RSRTC as aforesaid, before submission of the tender or engagement in the Contractor's service, as the case may be.

CLAUSE 43: QUALITY CONTROL

RSRTC shall have right to exercise proper quality Control measures. The Contractor shall provide all assistance to conduct such tests. He shall establish a field laboratory and provide necessary equipment for testing purposes at his cost, as may be directed by the Engineer In-charge.

CLAUSE 43A:

The work (whether fully constructed or not) and all materials, machines, tools and plant, scaffolding, temporary buildings and other things connected therewith, shall be at the risk of the Contractor until the work has been delivered to the Engineer in-charge, and a certificate from him, to the effect obtained.

CLAUSE 44: DEATH OF CONTRACTOR:

Without prejudice to any of the rights or remedies under the contract, if the Contractor dies, the legal heirs of the Contractor or the Managing Director, RSRTC or duly authorized Engineer shall have the option of terminating the contract without any compensation.

CLAUSE 45: PRICE VARIATION CLAUSE:

Not applicable.

CLAUSE 46: FORCE MAJEURE

Neither party shall be liable to each other, for any loss or damage, occasioned by or arising out of acts of God such as unprecedented floods, volcanic eruptions, earthquake or other invasion of nature and other acts.

CLAUSE 47: GENERAL DISCREPANCIES AND ERRORS

In case of percentage rate tenders, if there is any typographical or clerical error in the rates shown by RSRTC in the BoQ / Schedule G, the rates as given in the Basic Schedule of Rates of RSRTC for the area shall be taken as correct.

CLAUSE 48: POST PAYMENT AUDIT AND TECHNICAL EXAMINATION:

RSRTC shall have right to cause an audit and technical examination of the works, and the final bills of the Contractor, including all supporting vouchers, abstracts etc. to be made within 2 years after payment of the final bill, and if, as results of such audit and technical examination, any sum is found to have been over paid in respect of any work done by the Contractor under the contract, or any work claimed by him to have been done by him under the contract and found not to have been executed or executed below specification, the Contractor shall be liable to refund the amount of over payment, and it shall be lawful for RSRTC to recover the same from him in the manner prescribed in Clause 50 or in any other manner legally permissible and if it is found that the Contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by RSRTC to the Contractor.

CLAUSE 48 A: PRE CHECK OR POST CHECK OR BILLS:

RSRTC shall have right to provide a system of pre-check of Contractor's bills by a specified Organization, and payment by an Engineer or Dy. G.M. (Finance) or his representative such as Accounts Officer/Sr. Accounts Officer, as the RSRTC may in its absolute discretion prescribe. Any overpayments/excess payment detected as a result of such pre-check or post-check of Contractor's bills can be recovered from the Contractor's bills in the manner, herein before provided and the Contractor will refund such over/excess payments.

CLAUSE 48 B: CHECK MEASUREMENTS:

The RSRTC reserves to itself, the right to prescribe a scale of check measurement of work in general, or specific scale for specific works or by other special orders (about which the decision of the RSRTC shall be final) checking of measurement by superior officer shall supersede measurements by the subordinate officer and the former will become the basis of the payment. Any over/excess payment detected, as a result of such check measurement or otherwise at any stage upto the date of completion and the defect removal period specified else-where in this contract, shall be recoverable from the Contractor, as any other dues payable to the RSRTC.

CLAUSE 49: DISMANTLED MATERIALS:

The Contractor in course of the work should understand that all materials e.g. stone, bricks, steel and other materials obtainable in the work by dismantling etc. will be considered as the property of RSRTC and will be disposed off to the best advantage of RSRTC as per direction of the Engineer-in-charge.

CLAUSE 50: RECOVERY FROM CONTRACTORS

Whenever any claim against the Contractor for the payment of a sum of money arises out of or under the contract, RSRTC shall be entitled to recover such sum by appropriating in part or whole of the Performance Guarantee and/or Security- Deposit, Security Deposit at the time of enlistment of the Contractor. In the event of the security being insufficient, or if no security has been taken, then the balance or the total sum recoverable, as the case may be, shall be deducted from any sum, then due or which at any time thereafter, may become due to the Contractor, under this or any other contract with the RSRTC. Should this sum be not sufficient to cover the full amount recoverable the Contractor shall pay to RSRTC on demand the balance remaining dues.

RSRTC shall, further, have the right to effect such recoveries under Public Demands Recovery Act.

CLAUSE 51: JURISDICTION OF COURT

In the event of any dispute arising between the parties hereto, in respect or any of the matters comprised in this agreement, the same shall be settled by competent court having jurisdiction over the place, where agreement is executed and by no other court, after completion of proceedings under Clause 23 of this contract.

CLAUSE 52 :SPECIAL CONDITIONS OF CONTRACT

1. The contractor should establish fully equipped Q.C. lab at site (Annexure-C) & also arrange assistant for conducting tests, at his own cost as per instructions of Engineer In-charge.
2. The work shall include all lead and lift to complete work in all respect.
3. The contractor shall arrange all Men, Material and T&P to complete the work well in time.
4. The contractor will arrange Electricity and Water at his own cost.
5. Any damaged occur to the structure during construction period shall have to rectify by the contractor at his own cost under direction of Engineer-in-charge.

6. Work shall be carried out as per relevant specification for each item and Indian Standard specification assigned for such work.
7. Contractor shall have to get approved the samples and make of all items etc. from Engineer-in-charge, prior execution of work.
8. Scope of work shall include all cutting by machines in wall, floors and making the same as directed by the Engineer-in-charge.
9. The overall cleaning of site and disposal of building rubbish, surplus material etc. done by contractor as directed by Engineer-in-charge.
10. If there is any typographical or clerical error or otherwise in "G"-Schedule respective items as given in **Jodhpur BSR-2016, Road BSR 2016 and Jaipur Electric BSR 2013** based on which Schedule "G" has been prepared shall prevail for all contractual purpose.
11. The labour engaged by the contractor for carrying out the work shall be at own risk and cost he is bound to protect the protect the interest of labour right as per Laws and Rules prevailing and enforce.
12. All contractors with Govt. shall required registration of workers under the PWD/Labour act and extension of benefits to such workers under the Act.
13. Steel shuttering plates used on work shall be in good condition. In case ply8 is used the same shall be new when brought to site for use in shuttering.
14. Contractor has to incase / cover the working area with 20' high G.I. sheet at his own cost.
15. The contractor has to furnish rate analysis of quoted rate along with bid to the items under which rates to be quoted.
16. Work of Anti-termite Treatment shall be carried out by Licenced/Approved/Approved personals with spray machines or as specified.
17. Contractor shall be fully responsible for provident funds, insurance etc. for workers engaged by him on the work.
18. The final bill shall be paid after receipt of NOC from mining department.
19. The drawings enclosed with the bid document are the conceptual drawing and modification may be done to suit the client requirement.
20. Defect liability period of work shall be 3-years reckoned from date of actual completion of the Building work.
21. Regarding refund of Security Deposit, Modified Agreement Format shall be applicable (As per Annexure)
22. All circulars/ standing orders/ office orders issued by the XEn/EM, Civil, RSRTC from time to time regarding execution of work shall be bedding on the contractor.
23. Steel reinforcement to be used in this work shall be of TATA/ TISCO/SAIL/RINL make for which no extra charge will be made.
24. The contractor is responsible for design of RCC members in above work which includes the submission of General Arrangement drawing for columns, beam etc. After approval of GAD he will carry out the detailed design of RCC members from the structural consultant and proof checking from the MNIT Jaipur, after submitting the design and bar bending schedule of RCC work. The approval will be given by the competent authority / Engineer-in-charge only thereafter he will start the work. No extra payment will be payable for this job.
25. Steel structure (MS Pipe/RS joist. angle, channels etc.) to be used in this work shall be TATA/Jindal Hissar/SAIL.

CLAUSE 53: REGARDING DEFECT LIABILITY PERIOD OF BUILDINGS WORKS COSTING MORE THAN RS.10.00 LACS

The existing clause 37 (d) of "Condition of Contract" in Appendix XI of PWF&AR Part-II shall be substituted (d) original works/ special repair works: security will be refunded six month after completion, as expiry of one full rainy season, or after expiry of defect liability period as defined in the special condition of agreement, whichever is later provided the final bill has been paid". After the clause 37 (d) as above, a new item (3) shall be added the above amendments made "In case of RSRTC original works/special repair works costing more than Rs.....lacs, partial amount of Security Deposit will be refunded during the defect liability period @ 10% of SD amount after lapse of one year of completion and thereafter 10% of original amount of SD at the end of each subsequent year. The remaining amount of SD be refunded after the expiry of defect liability period.

1. Defect liability period for Civil works shall be 3 years reckoned from date of actual completion of the building works. Generally following defects are covered for 3 years years.
2. Surface cracks on RCC works.
3. Cracks in masonry, wall, pillars etc.
4. Dampness on surface of wall ceiling, flooring etc.
5. De-lamination and unevenness of surface.
6. Leakage, cracks in drainage system, dampness in sunk portions.
7. Defects in paint works, distempering, white wash etc. for example, unevenness in shade peeling out, flaks on the surface etc.
8. Cracks, settlement, unevenness, opening of joints in floorings.
9. Doors, windows and ventilators opening and closing are not smooth. Fittings & fixtures are not functioning smoothly.
10. Steel fabrication works grinded properly and finished.
11. Leakage/chocking in pipe lines, taps, valves, showers, wash basin etc. sanitary ware fittings not functioning smoothly.
12. External services for storm water, sewerage, rainwater harvesting system not functioning properly.
13. In addition to the above, any defects identified by the user/ or Engineer-in charge shall be rectified by the contracting agency within notified period assigned by the Engineer-in charge.
14. General : Inspection of works during Defect Liability Period:-
 - a. The contracting agency shall undertake joint detailed inspection along with Engineer-in charge/ AEN, at least once in One months in case of all Buildings/Bridge C.D. works. The Engineer-in charge can reduce this frequency in case of emergency. The contracting agency shall forward to the Engineer-in charge the record of inspections and rectification within 15 days after the joint inspection. The contracting agency shall pay particular attention on those road sections, which are likely to be damaged during rainy season.
 - b. One register has to maintain by every AEN for recording the inspection details of works in his jurisdiction under defect liability period.
15. Conditions regarding security deposit:-
 - a. **Security for DLP:** The contracting agency shall have to furnish security deposit in the form of bank guarantee for DLP as per requirement of clause 37 (e) of contract agreement valid from the date of completion, which shall be assigned by the Engineer-in charge.
 - b. **Forfeiture of Security Deposit:** In case contracting agency fails to rectify the defects within stipulated period notified to him by the Engineer-in charge concerned under contract agreement, the Engineer-in charge shall serve a final notice for 15 days time reckoned from the date of issue of notice to rectify the defects. In case the contracting agency not responding to the notice and fails in rectification of defects the Engineer-in charge will get the defects removed at the risk and cost of the contracting agency. Action such as encashment of Bank Guarantee and action under enlistment rules etc. shall also be taken against the contracting agency by the competent authority.
 - c. **Force Majeure:** The defect due to earthquake, cyclone and natural calamities shall not be the responsibility of contracting agency.

Schedule of Materials to be supplied by RSRTC, If available

(Referred to in Clause 10)

S. No.	Particulars	Quantity	Rates		Place of Delivery
			Unit	Rupees	

Schedule of Machinery /T & P to be supplied by RSRTC, if available (referred to in Cl. 18)

The following Machinery/ T & P shall be supplied by the RSRTC, if available to the Contractor on hire as per "Rules of the RSRTC for supply for machinery and T & P to the Contractors on hire (Referred to in Clause 10 C)

S. No.	Item	Rate	Place of Delivery/ Return

Progress Statement referred to in Clause 2 of Conditions of Contract

Name of Work	Date from which the Work should be Commenced	Date by which the work should be completed	Monthly rate of Progress

The Contractor has been informed that his tender has been accepted.

Signature of Engineer-in-charge

Signature of Contractor

Date:

Date:

Date Signature of Engineer-in-charge

Dated..... Signature of Contractor

Notes: For Filling in the progress statement Form

1. Column 2,3 and 4 must be initialed and dated by the Contractor
2. Column 4 must be initialed and dated by the S.E. (Civil), RSRTC.
3. The date in column 2 should correspond to the date on which the order to commence work is given to the Contractor read with clause 2 of the conditions of contract.
4. The date in column 3 must correspond to the period stated in sub clause (e) of the Memorandum below "Tender for works".
5. Column 4. This will ordinarily be worked out proportionately; thus if Rs. 24,000/- is the cost of the whole or portion of work tender for, and six months period of completion, then the monthly rate of progress should be Rs. 4000/- If necessary quantities may also be specified in this column at the discretion of the S.E. (Civil), RSRTC, HO, Jaipur.
6. The Certificates as to intimation of acceptance of tender printed at the foot of the form, must be signed and dated both by the S.E. (Civil), RSRTC and the Contractor.

RAJASTHAN PUBLIC WORKS DEPARTMENT
CONTRACTORS LABOUR REGULATIONS

1. **Short Title:** These Regulations may be called "The Rajasthan Public Works Department Contractor's - Labour Regulations."
2. **Definition :** In these Regulations unless otherwise expressed or indicated, the following works and expressions shall have the meaning hereby assigned to them respectively, that is to say:-
 - i **"Labour"** mean workers employed by a Rajasthan P.W. Department Contractor directly or indirectly through a sub-Contractor or other person by an agent on his behalf.
 - ii **"Fair Wage"** means minimum wages for time or piece work fixed or revised by the State Government under the Minimum Wages Act, 1948.
 - iii **"Contractor"** Shall include every person, whether sub-Contractor or headman or Agent employing labour on the work taken on contract.
 - iv **"Wages"** shall have the same meaning as defined in the Payment of Wages Act includes time and piece, rate wages.
3. **Display of Notice regarding wages etc. :** The Contractor shall (a) before he commences his work on contract, display and correctly maintain and continue to display and inconspicuous place on the work notices in English and the correctly maintain in Hindi by the majority of the workers giving the rate of wages which have been certified by the Executive Engineer, the Superintending Engineer, the Managing Director, RSRTC or Labour Commissioner as fair wages and the hours of works for which such wages are earned, and (b) send a copy of such notices to the Certifying Officers.
4. **Payment of Wages:**
 - i Wages due to every worker shall be paid to him direct.
 - ii All wages shall be paid in current coin or currency or in both.
5. **Fixation of wage periods:**
 - i The Contractor shall fix the wage periods in respect of which the wages shall be payable.
 - ii No wage period shall exceed one month
 - iii Wages of every workman employed on the contract shall be paid before the expiry of ten days after the last day of the wage period in respect of which the wages are payable.
 - iv When the employment of any worker is terminated by or on behalf of the Contractor, the wages earned by him shall be paid before the expiry of the day succeeding the one which his employment is terminated.
 - v All payments of the wages shall be made on a working day except when the work is completed before the expiry of the wage period, in which case, final payments shall be made within 48 hours of the last working day.

Note: The term "working day" means a day on which the labour is employed in progress.
6. **Wage Book and Wage Slips etc.**
 - i The Contractor shall maintain a Wage Book of each worker in such form as may be convenient but the same shall include the following particulars:
 - a. Rate of daily or monthly wages.
 - b. Nature of work on which employed
 - c. Total number of days worked during each wage period.
 - d. Total amount payable for the work during each wage period.
 - e. All deductions made from the wages with an indication in each case of the ground for which the deduction is made.
 - f. Wages actually paid for each wage period.
 - ii The Contractor shall also maintain a wage slip for each worker employed on the work.
 - iii The Executive Engineer may grant an exemption from the maintenance of the wage books and wage slips to a Contractor who, in his opinion, may not directly or indirectly employ more than 50 persons on the work

- 7. Fines and deductions which may be made from wages:**
- i The wages of a worker shall be paid to him without any deductions of any kind except those authorised, namely the following.
 - a. Fines
 - b. Deductions for absence from duty i.e. from the place of places where, by the terms of his employment, he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
 - c. Deductions for damages to or loss of goods expressly entrusted to the employed person for custody or for loss or any other deductions of money, which he is required to account where such damages or losses are directly attributable to his neglect or default.
 - (i.a) The Rajasthan Government may, from time to time, allow deductions other than those specified in clause I above.
 - ii No fines shall be imposed on a worker and no deductions for damage or loss shall be made until worker has been given an opportunity or showing cause against each fine or deductions.
 - iii The total amount of fines, which may be imposed in any one wage period on a worker, shall not exceed an amount equal to three paise in rupee of the wage payable to him in respect of that wage period.
 - iv No fine imposed on any worker shall be recovered from him by installments or after the expiry of 60 days from the date on which it was imposed.
- 8. Register of fines etc.:** The Contractor shall maintain a register of fines and of all deductions for damage or loss. Such register shall mention the reasons for which fine was imposed of deduction for damage or loss was made.
The Contractor shall maintain both in English and local Indian Language a list approved by the labour Commissioner clearly stating the acts and omission for which penalty or fine may be imposed on a workman and displays it in a good condition in conspicuous place on the work.
- 9. Preservation of Register:** The wage register, the wage card and the register of fines deduction required to be maintained under these regulations, shall be preserved for 12 months after the date or the 1st entry made in them.
- 10. Powers of Labour Welfare officer to make investigation of enquiry:** The Labour Welfare Officer or any other person, authorized by the State/RSRTC on their behalf shall have power to make enquiries with a view to ascertaining and enforcing due and proper observance of the fair wage clauses and provisions of the regulation. He shall investigate into any complaint regarding default made by the Contractor of Sub-Contractor in regard to such provisions.
- 11. Report of Labour Welfare Officer :** The Labour Welfare Officer or other person, authorized as aforesaid, shall submit a report of the result of his investigation or enquiry to the Executive Engineer concerned indicating the extent, if any, to which the default has been committed with a note that necessary deductions from the Contractors bill be made and other dues be paid to the labour concerned. In case an appeal is made by Contractor under clause 12 of these regulations, actual payment to labour will be made by the Executive Engineer after the labour Commissioner had given decision of such appeal.
- 12. Appeal against the decision of Labour Welfare Officers:** Any person aggrieved by the decision and recommendation of the Labour Welfare Officer or other persons, so authorized, may appeal against such decision to the Labour Commissioner within 30 days from the date of decision forwarding simultaneously a copy of his appeal to Executive Engineer concerned but subject to such appeal the decision of the Officer shall be final and binding upon the Contractor.
- 12-A.** No party shall be allowed to be represented by a lawyer during any investigation, enquiry, appeal or any other proceedings.

- 13. Inspection of Wage Books and Slips:** the Contractor shall allow inspection of the wage books and wage slips and register of fines and deductions to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labour Welfare Officer or any other person authorized by the State Govt. on his behalf.
- 14. Submission of Returns:** The Contractor shall submit periodical returns as may be specified from time to time.
- 15. Amendments:** The State Govt. may, from time to time, add to or amend these regulations and on any questions as to the application, Interpretation effect of these regulations, the decision of the Labour Commissioner to the Govt. of Rajasthan or any other person authorised by the State Govt. in that behalf, shall be final.
- 16.** Service Tax Registration copy must be submitted by the contractor and all the taxes bearing by the contractor himself.

SCHEDULE OF FAIR WAGE TO GIVEN BY EXECUTIVE ENGINEER

LIST OF ACTS AND COMMISSION FOR WHICH FINE CAN BE IMPOSED

- (1) Willful insubordination or disobedience whether alone or in combination with another.
- (2) The fraud or dishonesty in connection with the Contractor business or property of RSRTC.
- (3) Taking or giving bribes or any illegal gratification.
- (4) Habitual late attendance.
- (5) Drunkenness, fighting riot or disorderly or indecent behaviour.
- (6) Habitual negligence.
- (7) Smoking near or around the area where combustible or other materials are stocked.
- (8) Habitual indiscipline.
- (9) Causing damage work in progress or to property of RSRTC. or the Contractor.
- (10) Sleeping on duty.
- (11) Malingering or slowing down work.
- (12) Giving of false information regarding name, age, father's name.
- (13) Habitual loss of wage cards supplied by the employers
- (14) Unauthorized use of employer's property or manufacturing or making of unauthorized articles at the work place.
- (15) Bad workmanship in construction and maintenance by skilled workers which is not approved by the RSRTC and for which Contractors are compelled to undertake rectification.
- (16) Making false complaints and/or misleading statement.
- (17) Engaging in trade within the premises of the establishment.
- (18) Any delinquency business affairs of the employees
- (19) Collection or canvassing for the collection of any money within the premises of an establishment unless authorized by the employer.
- (20) Holding meeting inside the premises without previous sanction of the employer.
- (21) Threatening or intimidating any workman or employee during the working hours within the premises.

SCHEDULE SHOWING (APPROXIMATELY) MATERIALS TO BE SUPPLIED FROM THE RSRTC STORE FOR WORK CONTRACTED TO BE EXECUTED AND THE RATE OF WHICH THEY ARE TO BE CHARGED FOR

Particulars	Rates which the materials will be charged to the contractor			Place of delivery
	Unit	Rs.	Np.	
Doors with Chowkhats				
.....do.....				
.....do.....				
Windows with Chowkhats				
.....do.....				
.....do.....				
Steel Shapes				
.....do.....				
.....do.....				
Bars Mild Steel				
Sheets plain, GI				
.....do.....				
Corrugated G.I. sheeting Wire				
Belts Tower				
.....do.....				
Locks, Mortice				
.....do..... rim				
Hinges, Butt				
.....do.....				
Hinges, Spring				
Cement, Portland				

Note:

The persons or firms submitting the tender should see that the rates in the above schedule are filled up by the Engineer-in-charge on the issue of the form prior to the submission to the tender.

(Signature of the contractor)

(Signature of the Engineer)

PROGRESS STATEMENT REFERRED TO IN CLAUSE 3 OF CONDITIONS OF CONTROL

Name of Works	Date from which the work should be commenced	Date by which the work should be completed	Monthly rate of progress
1	2	3	4

The Contractor has been informed that his tender has been accepted.

Signature of Contractor

Date:

NOTES FOR FILLING IN THE PROGRESS STATEMENT FORM ON THE LAST PAGE

1. Column 2, 3 and 4 must be initiated and dated by the Contractor.
2. Column 4 must be initiated and dated by the SE (Civil), RSRTC.
3. The date in column 2 should correspond to the date on which the order to commence work is given to the Contractor, specified in line 3, clause 2, page 3 of the "conditions of contract."
4. The date in column 3 must correspond to the period stated in clause (f) page 2 of the tender.
5. Column 4 This will ordinarily be worked out proportionately; thus if Rs. 24000/- is the cost of the whole of portion of work tendered for six months period of completion, then the monthly rate of progress should be Rs. 4000. If necessary quantities may also be specified in this column at the discretion of the S.E.(Civil), RSRTC.
6. The certificate as to intimation acceptance of tender printed at the foot of the form must be signed and dated both by the S.E.(Civil), RSRTC and the Contractor.

Statement of payment and recovery to be attached with Agreement of Works

S.No. of bill	Gross amount of bill	Progressive total amount of bill	Recoveries									Net amount of payment	CB Vr. No. & Date	Dated initials of	
			Materials T&P	Quantity hours	Amount	SD	Income tax deduction	Sales tax	Royalty	Other recoveries	Total recoveries			D.A.O.	E.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Transparency Act

Annexure A : Compliance with the Code of Integrity and No Conflict of Interest

Any person participating in a procurement process shall -

- (a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) not obstruct any investigation or audit of a procurement process; (g) disclose conflict of interest, if any; and
- (h) disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:-

The Bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

- i. A Bidder may be considered to be in Conflict of Interest with one or more parties in a bidding process if, including but not limited to:
 - a. have controlling partners/ shareholders in common; or
 - b. receive or have received any direct or indirect subsidy from any of them; or
 - c. have the same legal representative for purposes of the Bid; or
 - d. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or

- e. the Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
- f. the Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/ consultant for the contract.

Annexure B : Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted to for procurement of in response to their Notice Inviting Bids No Dated I/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date :

Signature of bidder

Place :

Name:

Designation:

Address:

Annexure C : Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is :

The designation and address of the Second Appellate Authority is :

(1) Filing an appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

- (2) The officer to whom an appeal is filed under para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.
- (3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) determination of need of procurement;
- (b) provisions limiting participation of Bidders in the Bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) applicability of the provisions of confidentiality.

(5) Form of Appeal

- (a) An appeal under para (1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorised representative.

(6) Fee for filing appeal

- (a) Fee for first appeal shall be rupees two thousand five hundred and for second 'appeal shall be rupees ten thousand, which shall be non-refundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of appeal

- (a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-
 - (i) hear all the parties to appeal present before him; and
 - (ii) peruse or inspect documents, relevant records or copies thereof relating to the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

**Memorandum of Appeal under the Rajasthan Transparency in Public
Procurement Act, 2012**

Appeal Noof

Before the(First / Second Appellate Authority)

1. Particulars of appellant:

(i) Name of the appellant: (ii)

Official address, if any: (iii)

Residential address:

2. Name and address of the respondent(s):

(i)

(ii)

(iii)

3. Number and date of the order appealed against and name and designation of the officer I authority who passed the order (enclose copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal:
..... (Supported by an affidavit)

7. Prayer :

Place

Date

Appellant's Signature

Annexure D : Additional Conditions of Contract

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall Be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

3. Dividing quantities among more than one Bidder at the time of award (In case of procurement of Goods)

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

R.S.R.T.C. Jaipur

RATE ANALYSIS

FOR

CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

EXECUTIVE MANAGER (CIVIL)
R.S.R.T.C. Jaipur

CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

RATE ANALYSIS

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
	PART-A CIVIL WORKS						
1	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift up to 1.5 Mtr. including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposals of surplus excavated soil as directed with a lead in a 50 meter. Hard Rock (Blasting Prohibited)	1472.85	CUM	670.00	986810.00	530.00	780611.00
2	Providing and laying in position cement concrete including curing compaction etc. of specified grade excluding the cost of centering and shuttering =All up to plinth level 1:4:8 (1Cement :4 Course Sand :8 Graded stone aggregate 40 mm nominal size	1550.90	CUM	2755.00	4272730.00	2916.00	4522424.00
3	Random Rubble stone masonry for foundation and plinth in Cement Sand Mortar above 30 Cm. thick wall in : Cement Mortar 1:6 (1-Cement:6-Sand).	924.45	CUM	2822.00	2608798.00	2585.00	2389703.00
4	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor three level. Tremo Mechanically treated bars (TATA, SAIL, VIZAC,-RINL)	53109.59	KG	70.00	3717671.00	63.00	3345904.00
5	Providing and laying in position specified grade of reinforced cement concrete including curing compaction finishing with rendering in cement sand mortar 1:3 (1-Cement:3-coarse sand) and making good the joints excluding the cost of centering, shuttering and reinforcement. All work up to plinth level : 1:1.5:3 (1-Cement:1.5 coarse sand:3-graded stone aggregate 20 mm nominal size)	153.76	CUM	4329.00	665627.00	4348.00	668548.00
6	Centering and shuttering with plywood or steel sheets including strutting, propping, bracing both ways and removal of formwork for foundations in basements rafts, footings, strap beams, bases of columns , etc. up to plinth level.	489.68	SQM	123.00	60231.00	138.00	67576.00
7	Random Rubble stone masonry for superstructure above plinth level one storey height above 30 Cm. thick walls in : Cement Mortar 1:6 (1-Cement:6-Sand).	2051.38	CUM	3464.00	7105980.00	2260.00	4636119.00
8	Extra for facing as per design and detailed specifications including additional cost of stones over for : Course rubble facing First Sort.	5438.88	SQM	322.00	1751319.00	521.00	2833656.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
9	Pointing on stone masonry in cement sand mortar 1:3 (1-Cement:3-Sand) : Deep grooved pointing	6660.00	SQM	105.00	699300.00	123.00	819180.00
10	Reinforced cement concrete work in beams, suspended floors, roofs, girders having slopes up to 15o , landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases, up to floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1-Cement:3-coarse sand) and making good and joints excluding the cost of centering, shuttering and reinforcement: 1:1.5:3 (1-Cement:1.5 coarse sand:3-graded stone aggregate 20 mm nominal size).	493.64	CUM	4832.00	2385268.00	4539.00	2240632.00
11	Reinforced cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1-Cement:3-coarse sand) and making good the joints excluding cost of centering shuttering and reinforcement : 1:1.5:3 (1-Cement:1.5 coarse sand:3-graded stone aggregate 20 mm nominal size).	100.00	CUM	4570.00	457000.00	4910.00	491000.00
12	Centering and shuttering with plywood or steel sheets including strutting, propping, bracing both ways with wooden members and removal of formwork for superstructure up to 4.5 mtr above plinth, for:						
12.1	Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands , coping, bed plates, anchor blocks, sills, chhajjas lintel, beam etc.	2412.00	SQM	266.00	641592.00	307.00	740484.00
12.2	Columns, pillars, posts and struts etc.	683.44	SQM	283.00	193414.00	347.00	237154.00
13	Add extra over for doing centering and shuttering work for each subsequent storey.	1100.00	SQM	15.00	16500.00	15.00	16500.00
14	Add extra for every additional 1 m ht. Or part thereof beyond 4.5 mtr. of shuttering.	300.00	SQM	16.00	4800.00	16.00	4800.00
15	Extra for subsequent storey or height of 4.5 Mtr. or part thereof for all masonry work.	1200.00	CUM	16.00	19200.00	16.00	19200.00
16	Supplying and fixing machine cut and polished stone shelves, tands and sills in CM 1:3 with machine cut edges:						
16.1	Sand or other approved stone 50 mm thick.	20.00	SQM	1202.00	24040.00	1202.00	24040.00
16.2	Kota stone 25 to 30 mm thick.	35.00	SQM	501.00	17535.00	501.00	17535.00
17	Supplying and fixing dressed sand or other approved stone shelves, tands in cement mortar 1:3 with fine dressed edges :75 mm thick	10.00	SQM	1232.00	12320.00	1232.00	12320.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
18	Half brick masonry in superstructure using bricks of designation 75 with nominal hoop rainforced (2 Nos. 6mm MS bar) at every fourth course in for hoop reinforcement 1Sqm. 6mm MS bar 2x2x1.00 = 4.00 Cement mortar 1:4 (1-Cement:4-coarse sand).	115.00	SQM	547.00	62905.00	547.00	62905.00
19	Extra for doing brick work for each subsequent storey for respective items beyond third story.	70.00	SQM	12.00	840.00	12.00	840.00
20	Brick masonry in suprestructure with bricks of class designation 75 mm in : Cement Mortar 1:6 (1-Cement:6-coarse sand).	30.00	CUM	3962.00	118860.00	3954.00	118620.00
21	Extra for doing brick work for each subsequent storey for respective items beyond third storey.	30.00	CUM	78.00	2340.00	78.00	2340.00
22	Filling in plinth with locally available river shingle under floors including watering ramming consolidating and dressing complete including cost of shingles sand.	2067.12	CUM	410.00	847519.00	410.00	847519.00
23	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete above plinth level up to 4.5Mtr. height. Hot finished seamless type tubes	86500.00	KG	114.00	9861000.00	82.00	7093000.00
24	Add extra over for hoisting and fixing for every additional one metre or part thereof beyond 4.5 mtr. height.	86500.00	KG	0.80	69200.00	0.80	69200.00
25	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10 Cm. long embedded in cement concrete blocks 15x10x10 Cm. of 1:3:6 (1-Cement:3-coarse sand:6-graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	1620.00	KG	82.00	132840.00	69.00	111780.00
26	Supply and fixing in cement mortar welded hand railing made out of M.S. round or square bars, flats etc. for staircase or verandah as per design complete in all respect (wooden or PVC hand railing to be paid extra) with priming coat of red oxide.	1000.00	KG	92.00	92000.00	92.00	92000.00
27	Providing and fixing steel gate grating and grills made of angles, tees, square bars or other flats black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide.	600.25	KG	89.00	53422.00	89.00	53422.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
28	Providing and fixing in position collapsible steel shutters with vertical M.S. Channels 20x10x2mm and brackets with flat iron diagonals 20x5mm, size with top and bottom rail of T-iron 40x40x6mm, with 40 mm dia steel pulleys / ball bearing complete with bolts, nuts locking arrangements inside and outside stoppers, handles etc. as per specification including applying a priming coat of approved steel primer. (To be measured and paid as per outer dimension).with 75 mm opening	16.00	SQM	4501.00	72016.00	4501.00	72016.00
29	Providing and fixing 1 mm thick M.S. sheet sliding shutters with frame & diagonals braces of 40x40x6 mm. angle iron 3 mm M.S. gusset plates at the junction and corners, 25 mm dia pulley 40x40x6mm angle and T-iron guide at the top and bottom respectively including applying a priming coat of approved steel primer. IS:10451-1983	51.00	SQM	2729.00	139179.00	2729.00	139179.00
30	Providing & fixing ms sheet single leaf door shutters in angle iron frame 35x35x5 mm suitably diagonally braced with 25x3mm flat iron above and below lock rail of size 50x5 mm beading extra including all fittings, as per direction of engg. in charge but excluding cost of chokhats including two coats of anti corrosive red oxide primer paint. MS sheet 20 SWG	70.00	SQM	2195.00	153650.00	2195.00	153650.00
31	Add extra for double leaf shutters	50.00	SQM	439.00	21950.00	439.00	21950.00
32	Providing & fixing steel glazed doors, windows and ventilators shutters of standard rolled steel section joint mitred and welded with steel 13x3mm lugs 10 Cm. long embedded in cement concrete blocks 15x10x10 Cm. of 1:3:6 (1-Cement:3-coarse sand:6-graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of plain glass panes 4mm thick with copper glazing clips and special metal-sash putty of approved make, or metal beading with screws complete including priming coat of approved steel primer, excluding the cost of metal beading and other fittings except necessary hinges of pivots steel handles and peg stay etc. as required.						
32.1	windows side hung (openable)	109.00	SQM	2146.00	233914.00	2146.00	233914.00
32.2	For over all portion treated as fixed	400.00	SQM	2035.00	814000.00	2035.00	814000.00
32.3	windows partly fixed and partly openable area not exceeding 33%	14.50	SQM	2109.00	30581.00	2109.00	30581.00
32.4	Ventilator top hung	6.00	SQM	2201.00	13206.00	2201.00	13206.00
33	Supplying and fixing fixed wire gauge of 14 mesh x 24 gauge to the metal frame of rolled section by metal beading 20x3mm with suitable screw at not exceeding 150 mm distance.	114.50	SQM	547.00	62632.00	547.00	62632.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
34	Providing and fixing Square bars or other flat welded to window, ventilators etc.	1683.00	KG	71.00	119493.00	71.00	119493.00
35	Providing and fixing M.S. round holding bolts with nuts as washers complete.	700.00	KG	62.00	43400.00	62.00	43400.00
36	P & F bolts including nuts and bolts complete.	170.00	KG	30.00	5100.00	30.00	5100.00
37	Providing corrugated G.I. Sheet roofing fixed with G.I. J or L hooks bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coat of approved paint on over lapping of sheet complete (upto a pitch of 600) & excluding the cost of purlins rafters and truses, for class of sheet : 0.80 mm thick	4575.00	SQM	614.00	2809050.00	581.00	2658075.00
38	Providing ridges or hips of width 600 mm overall with plain GI sheet fixed with GI, J or L-hooks, bolts and nuts 8mm dia GI limpet and bitumen washers complete :0.80 mm thick	131.00	RMT	474.00	62094.00	474.00	62094.00
39	P&F wind ties of reqd. flat iron section incl. making holes as reqd. duly painted with red oxide paint complete.	5100.00	KG	33.00	168300.00	33.00	168300.00
40	Providing and fixing chir wood frame work for false ceiling of net work of 600 mm x 600 mm approximately of batten size 60mmx60mm as main rafters and 50x25 mm as secondary rafters with 10 mm dia M.S. hangers at suitable intervals, including coating of anti-termite treatment and fixing in wall etc. complete in all respect :	25.00	SQM	373.00	9325.00	373.00	9325.00
41	Providing and fixing 15 to 18 mm thick false ceiling tiles of plaster of Paris as per approved design over wooden frame with Brass screws complete in all respects including fixing of exposed surface smooth with plaster of paris (excluding the cost of wooden frame) : plain tiles	25.00	SQM	702.00	17550.00	702.00	17550.00
42	Providing and fixing 20 mm thick terrazo tile over roofing fixed in cement mortar 1:4 over bed of 25 thick.	550.00	SQM	491.00	270050.00	491.00	270050.00
43	Providing batta (gola) 75mm x 75mm in cement concrete (1:2:4) including finished with cement mortar 1:3 as per standard design.	320.00	RMT	28.00	8960.00	28.00	8960.00
44	Providing and laying in position cement concrete including curing compaction etc. of specified grade excluding the cost of centering and shuttering in superstructure upto floor 3 level :1:1.5:3 (1Cement :1.5 Course Sand :3 Graded stone aggregate 20 mm nominal size	497.95	CUM	4066.00	2024665.00	4066.00	2024665.00
45	Polished Blue Kota Stone flooring skirting, laid over 20 mm thick base of C.M. 1:4 and jointed with grey cement slurry to match the shade of the slab including rubbing and polishing complete : For area of each slab up to 2001 to 5000 Sq. Cm : 30 mm thick slab	1230.00	SQM	937.00	1152510.00	850.00	1045500.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
46	Polished Blue Kota Stone slab in steps, walls, pillars having fine machine cut edges laid on 12mm (Av.) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete : 30 mm thick slab area upto 2001 to 5000 Sq.Cm.	20.00	SQM	828.00	16560.00	828.00	16560.00
47	60 mm thick cement concrete flooring with Metallic concrete hardener topping, under layer of 42 mm thick cement concrete 1:2:4 (1-Cement:2-course sand:4-graded stone aggregate 20 mm nominal size) and top layer of 18 mm thick metallic concrete hardener consisting of mix 1:2 (1-Cement:2-stone aggregate, 6 mm nominal size) by volume & mixed with metallic hardening compound of approved quality @ 3Kg./Sqm. including cement slurry, rounding off edges etc. but excluding the cost of nosing of steps etc. complete.	4000.00	SQM	451.00	1804000.00	383.00	1532000.00
48	Add extra on exterior walls of height more than 4.5 m from plinth level for every additional height of 4.5m or part thereof for pointing work.	1000.00	SQM	10.50	10500.00	10.50	10500.00
49	Add extra for colour/ pigment of approved shade added in mortar for all type of pointing with lime/ cement on all type of masonry.	1730.00	SQM	7.50	12975.00	7.50	12975.00
50	Plaster on new surface on wall in cement sand mortar 1:3 including raking of joints etc. complete fine finish :12 mm thick	2565.00	SQM	127.00	325755.00	127.00	325755.00
51	Plaster on new surface on walls in cement sand mortar including racking of joint etc. complete fine finished:						
51.1	25 mm thick in CM 1:6	5730.00	SQM	179.00	1025670.00	167.00	956910.00
51.2	25 mm thick in CM 1:4	150.00	SQM	204.00	30600.00	204.00	30600.00
52	White washing with lime to give an even shade including all scaffolding: New work (three or more coats)	2720.00	SQM	9.80	26656.00	9.80	26656.00
53	Colour washing of all shades to give an even shade including all scaffolding. New work (two or more coats) with a base coat of whiteing.	2550.00	SQM	12.00	30600.00	12.00	30600.00
54	Painting with enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	6365.00	SQM	54.00	343710.00	54.00	343710.00
55	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade including all scaffolding: New work (two or more coats) over and including scrapping and priming coat with cement primer.	1350.00	SQM	66.70	90045.00	66.70	90045.00
56	Add extra for plaster done over ceiling.	1155.00	SQM	25.40	29337.00	25.40	29337.00
57	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete above plinth level up to 4.5 Mtr. height in R.S. Joists flats, tees, angles and channels.	15000.00	KG	81.00	1215000.00	62.00	930000.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
58	Providing and fixing fully panelled single leaf, shutter for doors as per approved design and drawing with approved ordinary C.P. oxidized steel fittings as per annexure-A and width of styles and top rails of 100 mm and lock rails width of 150 mm and bottom rails of 200 mm width including Teak wood beading of size 19mmx12mm on both faces complete IS: 1003 PART-I 2003 30mm thick ghana teak wood Gr.I with 12 mm thick shuttering ply (both faces panels)	80.00	SQM	2527.20	202176.00	2527.20	202176.00
59	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in R.C.C. slab / stone slab roofing including cutting chase and making good and painting exposed portion of the clamps complete: in new roof	124.00	EACH	72.00	8928.00	72.00	8928.00
60	Providing and fixing Anodised Aluminium Curtain rod with Aluminium brackets complete :25 mm dia	100.00	RMT	92.00	9200.00	92.00	9200.00
61	Finishing with neat cement (Punning).	150.00	SQM	28.80	4320.00	28.80	4320.00
62	Providing & fixing precast cement concrete coping 1:2:4 mix 50 mm thick complete as per specification :50 mm thick	166.68	SQM	205.00	34169.00	205.00	34169.00
63	Cement concrete flooring grade 1:2:4 (1-Cement:2-Coarse sand:4-graded stone aggregate) rounding off edges etc. but excluding the cost of nosing of steps etc. complete :						
63.1	50 mm thick with 20 mm thick nominal size aggregate.	800.00	SQM	281.00	224800.00	281.00	224800.00
63.2	75 mm thick with 20 mm thick nominal size aggregate.	370.00	SQM	371.00	137270.00	371.00	137270.00
64	Providing and fixing Asbestos sheet 6 mm thick and 150 mm. Wide over expansion joint with fixing rowl plug and screws as per designs to match the colour shade of the distemper or wall treatment.	60.00	SQM	537.00	32220.00	537.00	32220.00
65	Providing and fixing Granite stone slab mirror polished and machine edge cut in Walls, Pillars, Steps, Shelves, Sills, Counters. Floors etc. laid on 12mm (Av.) thick base of cement mortar 1:3 jointing with white cement mortar 1:2 (1 white cement: 2 marble dust) with pigment to match the shade of the marble slab complete including grinding, rubbing and polishing of: Green/Black/Other granite Size above 3600 Cm2	3.00	SQM	2969.00	8907.00	2969.00	8907.00
66	180 Cm. high fencing with angle iron post 55x55x6mm placed at every 3 Mtr. apart 45Cm. in ground embedded in cement concrete 1:3:6 (30x30x60 Cm.) corner and every tenth post to be strutted with 55x55x6mm. angle iron provided with 6 horizontal lines and two diagonals of black barbed wire between two posts fitted and fixed with G.I. staples including earth work in excavation etc. complete.	1000.00	RMT	449.00	449000.00	449.00	449000.00
67	Add extra if finished with a floating coat of neat cement including cement slurry, making of lines or grooves etc. complete.	160.00	SQM	35.00	5600.00	35.00	5600.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
68	Providing and fixing 1st quality standard White Ivory Glazed Tiles ISI marked [IS:13753] of size 300mm x 200mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in white cement mixed with pigment to match the shade of tile complete (excluding the cost of cement plaster). Category-I : Kajariya, Jhonson, Orient, Somani make etc.	25.00	SQM	753.00	18825.00	753.00	18825.00
69	Providing and fixing 1st quality MAT finished ceramic tile size 300x300mm confirming to IS : 13753 colour such as white, grey, ivory, fume red brown in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry including nicely finished joints using water proof joint filler power (Untile or Roffe make) and finishing with flush pointing in white cement mixed with pigment to match the shade of tile complete (excluding the cost of cement plaster).	10.00	SQM	820.00	8200.00	820.00	8200.00
70	Supplying and fixing dressed sand or other approved stone shelves, tands in cement mortar 1:3 with fine dressed edges : 50 mm thick	10.00	SQM	1161.00	11610.00	1161.00	11610.00
71	Providing glass strips in joints of terrazzo/cement concrete floor : 40 mm wide and 5.5 mm thick.	600.00	RMT	41.00	24600.00	41.00	24600.00
	PART-B BITUMEN ROAD WORK						
1	Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201. In area of thorny jungle By mechanical means	3.00	Hect	17809.00	53427.00	17809.00	53427.00
2	Earth filling with surplus soil excavated from foundation and taken only from outside f building plinth in 15cm compacted layers, including ramming watering and consolidation, lead upto 30 metres [MoRTH Specification: Clause 301,304] Lead 10 km	10000.00	CUM	178.50	1785000.00	178.50	1785000.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
3	Providing, laying, spreading and compacting specified graded sand, gravel as per Table 400-1, 400-2 or any other course material as per design mix as per CBR in sub base course including premixing the material at OMC in wet mix plant, carriage of mixed material spreading in uniform layers with motor grader F.E loader on a prepared base and compacting with vibratory roller to achieve desired density (as per I.S. 2720) including all material, labour, machinery, lighting guarding, barricading and maintenance of diversion complete. [MoRTH specification: Clause 401] By mechanical means with lead upto 1 km	1399.50	CUM	546.00	764127.00	546.00	764127.00
4	Providing, laying, spreading and compacting stone aggregate of specifications per table 400-7 to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller stages to proper grade and camber, applying and brooming, requisite type of screening and binding material to fill-up the interstices of coarse aggregate, watering (with water browser) and rolling making necessary earthen bund to protect edges lighting guarding barricading and maintenance of diversion etc. [MoRTH specification Clause 404] by manual means. Grading A, 63mm to 45mm @0.91cum per 10 sqm for compacted thickness of 75mm (hand broken) stone screening type B	700.00	CUM	1075.00	752500.00	1075.00	752500.00
5	Providing, laying, spreading and compacting stone aggregate of specifications per table 400-7 to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller stages to proper grade and camber, applying and brooming, requisite type of screening and binding material to fill-up the interstices of coarse aggregate, watering (with water browser) and rolling making necessary earthen bund to protect edges lighting guarding barricading and maintenance of diversion etc. [MoRTH specification Clause 404] by manual means A- Grading A, 63mm to 45mm @0.91cum per 10 sqm for compacted thickness of 75mm(crusher broken) stone screening type B	700.00	CUM	1313.00	919100.00	1313.00	919100.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
6	Providing, laying, spreading and compacting stone aggregate of specificas per table 400-7 to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller stages to proper grade and camber, applying and brooming, requisite type of screening and binding material to fill-up the interstices of coarse aggregate, watering (with water browser) and rolling making necessary earthen bund to protect edegs lighting guarding barricading and maintenance of diversion etc. [MoRTH specification Clause 404] by manual mean B-Grading A, 53mm to 22.4mm @0.91cum per 10 sqm for compacted thickness of 75mm(crusher broken) stone screening type B	700.00	CUM	1367.00	956900.00	1367.00	956900.00
7	providing and applying tack coat with Bitumen grade VG 30 using mechanical bitumen pressure distributor distributor at the rate of 0.35 to 0.45 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503	9330.00	sqm	15.00	139950.00	15.00	139950.00
8	Providing and laying open graded premix carpet 20mm thick (compacted) on prepared surface in a single course as wearing course aggregates as per Table 500-23, heating biruminous binder @ 14.6 kg/10 Sqm.(VG-3- grade) and aggregates in Hot Mix Plant, transporting the mixed material with tipper and laying with paver finisher to the required level and grade, rolling with power roller, 8-10 tonne but excluding cost of tack and seal coat with lead for mix of material 1 Km.[MORTH Specification: Clause 511,112] with crumb rubber modified bitumen-CRMB 60	9330.00	sqm	89.00	830370.00	89.00	830370.00
9	Providing and laying seal coat for sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall including rolling with a smooth wheeled roller 8-10 tonne capacity finished to required level and grades, complete as per MORTH specification clause 513. Laying by manual means. Type A- comprising of 11-2 mm t 2-36 mm size aggregate @ 0.09 Cum per 10 Sqm and birumen binder (VG-30 grade) @9.8 Kg/10 Sqm	9330.00	sqm	44.00	410520.00	44.00	410520.00
	PART-C SANITARY WORK						
1	P & F Indian type white glazed vitreous china 1st quality W.C. orissa pan (IS:2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor : Size 580x440 mm.	8.00	EACH	1875.00	15000.00	1875.00	15000.00
2	P & F European type white glazed vitreous china 1st quality W.C. pan (IS:2556 Mark) with P or S trap including cutting and making good the wall and floor.	4.00	EACH	1489.00	5956.00	1489.00	5956.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
3	P & F water closet Seat Covers with brass hinges complete : Solid PVC IS:2548-1996: grade-I White for EWC.	4.00	EACH	393.00	1572.00	393.00	1572.00
4	P&F C.P. lugs for toilet seat cover	4.00	EACH	82.00	328.00	82.00	328.00
5	P & F Ist quality WVC Urinal (IS:2556 mark) with 25 mm dia G.I. waste pipe, dome couplings, concealed iron brackets or screws etc. complete. Flat Back (large) or half stall size 590x375x390 mm.	15.00	EACH	2138.00	32070.00	2138.00	32070.00
6	P & F W.V.C. Half-Round Channel of approved make in C.M.1:3 joints finished in white cement of : Size 150 mm dia	20.00	RMT	476.00	9520.00	476.00	9520.00
7	P&F WVC (IS: 2556 Mark) squatting urinal of standard make complete incl. cutting & making good the floor Size 600x350mm	4.00	EACH	1056.00	4224.00	1056.00	4224.00
8	P & F Low level Flushing Cistern of 10 litres capacity (IS:2556 mark) of approved make with complete fittings C.I. brackets duly painted, brass ball cock with ball, (IS:1703 mark) complete including cutting and making good the wall : PVC with CP brass long band.	4.00	EACH	1399.00	5596.00	1399.00	5596.00
9	P & F WVC Wash basin (Ist quality IS:2556 Mark) of approved make with C.I. brackets duly painted 1 No. 15 mm C.P. Pillar cock (IS:8934 Mark) & 32 mm C.P. brass waste coupling of approved make 25 mm G.I. waste pipe complete including cutting & making good the wall :Size 610 mm x 510 mm	10.00	EACH	2144.00	21440.00	2144.00	21440.00
10	P&F looking mirrors with PVC frame of approved (atul/equivalent) Size 500x400mm	10.00	EACH	278.00	2780.00	278.00	2780.00
11	P&F towel rail or ring of approved quality /make: C.P. brass towel rail elbow type with concealed screws size 600mm (heavy duty)	8.00	EACH	439.00	3512.00	439.00	3512.00
12	P&F Soap dish or tray of approved quality/ make. C.P. brass	8.00	EACH	67.00	536.00	67.00	536.00
13	P&F Twin peg of approved quality/ make C.P. brass (heavy) Superior quality	5.00	EACH	118.00	590.00	118.00	590.00
14	P&F Jet spray for water closet with C.P. copper tube flange of approved make	4.00	EACH	293.00	1172.00	293.00	1172.00
15	P & F G.I. Pipes (Internal work) with G.I. fittings (IS:1239 Mark) & M.S. clamps including cutting and making good the walls and floors :	0.00		0.00	0.00	0.00	0.00
15.1	15 MM dia nominal bore B - Class	100.00	RMT	187.00	18700.00	187.00	18700.00
15.2	25 mm dia nominal bore B - Class	100.00	RMT	288.00	28800.00	288.00	28800.00
16	P & F G.I. Pipes (External work) with G.I. fittings (IS:1239 Mark) including trenching & refilling earth etc.	0.00		0.00	0.00	0.00	0.00
16.1	15 MM dia nominal bore B - Class	100.00	RMT	145.00	14500.00	145.00	14500.00
16.2	25 mm dia nominal bore B - Class	300.00	RMT	184.00	55200.00	184.00	55200.00
17	P & F Bib Cock (IS:8931 Mark) Superior quality of approved make :	0.00		0.00	0.00	0.00	0.00
17.1	Brass 400 gm. 15 mm nominal bore.	20.00	EACH	195.00	3900.00	195.00	3900.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
17.2	CP brass Long body, 15 mm nominal bore weight not less than 690 gm.B628	10.00	EACH	498.00	4980.00	498.00	4980.00
18	P & F Stop cock (IS:8931 Mark) superior quality & of approved make : Brass 400 gm. 15 mm nominal bore.	15.00	EACH	250.00	3750.00	250.00	3750.00
19	P & F Ball Cock (IS:1703 Mark) with Rod & P.V.C. Ball complete :	0.00		0.00	0.00	0.00	0.00
19.1	Brass wt. 400 gm, 15 mm.	5.00	EACH	294.00	1470.00	294.00	1470.00
19.2	Brass wt. 1000 gm, 25 mm.	5.00	EACH	817.00	4085.00	817.00	4085.00
20	P & F Inlet Connection (Angle Valves) Superior quality, of approved make, for Wash basin, Gyser etc.C.P. Inlet connection 15 mm Brass (IS:8931 marked).	10.00	EACH	316.00	3160.00	316.00	3160.00
21	P & F 15 mm. Dia Connection pipe of approved quality/make: PVC pipe with C.P. Brass nuts up to length 600 mm.	20.00	EACH	61.00	1220.00	61.00	1220.00
22	P & F Flush Cock/Flush Valve (IS:9758 Mark) or WC of approved quality make : C.P. brass push type Concealed 25 mm nominal bore.	10.00	EACH	668.00	6680.00	668.00	6680.00
23	P & F Full-way valve (IS:778 Mark) or wheel valve of approved make :	0.00		0.00	0.00	0.00	0.00
23.1	Gun-metal 15 mm nominal bore.	15.00	EACH	322.00	4830.00	322.00	4830.00
23.2	Gun-metal 25 mm nominal bore.	15.00	EACH	404.00	6060.00	404.00	6060.00
24	P & F Gun-metal Non-return Valve or Check Valve (IS:Make) of approved make, superior quality :	0.00		0.00	0.00	0.00	0.00
24.1	25 mm nominal bore. Horizontal	2.00	EACH	349.00	698.00	349.00	698.00
24.2	25 mm nominal bore. Vertical	2.00	EACH	338.00	676.00	338.00	676.00
25	P & F PVC Storage Tank (IS:12701 marked indicating the BIS license No.) of approved make with cover, 25 mm dia 1 M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc. complete of approved design.				0.00	0.00	0.00
25.1	1000 litres capacity.	6.00	EACH	6900.00	41400.00	6900.00	41400.00
25.2	2000 litres capacity.	1.00	EACH	13800.00	13800.00	13800.00	13800.00
26	Hoisting Charges for each floor of PVC storage tank	7.00	EACH	60.00	420.00	60.00	420.00
27	P&F rigid PVC Pipe (IS:4985 mark) class II(4 Kg. /Cm.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant				0.00	0.00	0.00
27.1	63 mm dia	20.00	RMT	135.00	2700.00	135.00	2700.00
27.2	110 mm dia	200.00	RMT	251.00	50200.00	251.00	50200.00
27.3	160 mm dia	80.00	RMT	323.00	25840.00	323.00	25840.00
28	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant: 75 mm dia	0.00		0.00	0.00	0.00	0.00
28.1	Reducer 110x75mm	5.00	EACH	90.00	450.00	90.00	450.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
28.2	Bend 87.5	40.00	EACH	100.00	4000.00	100.00	4000.00
29	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant: 100 mm dia	0.00		0.00	0.00	0.00	0.00
29.1	Door Bend (top side)	30.00	EACH	158.00	4740.00	158.00	4740.00
29.2	Vent Cowel	5.00	EACH	54.00	270.00	54.00	270.00
29.3	Socket plug	10.00	EACH	81.00	810.00	81.00	810.00
29.4	Plain floor trap	10.00	EACH	235.00	2350.00	235.00	2350.00
29.5	P-Trap	4.00	EACH	389.00	1556.00	389.00	1556.00
29.6	Gully Trap	4.00	EACH	570.00	2280.00	570.00	2280.00
30	Construction of Man hole, in all types of soil inner size 1.5 x 1.2 M, with, 450mm thick masonry in CM 1:6, 10 Cm. thick cement concrete 1:5:10 in foundation, 20mm thick inside plaster in CM 1:6, finished with floating neat cement, 50 mm thick M-15 grade C.C. flooring making channels, 80 mm thick stone slab covering with 40 mm thick M-15 grade C.C. flooring, 38 Kg. C.I. cover with frame of 450mm dia, earthwork etc. complete including disposal of surplus earth within 50 mtr. lead as per design : Depth upto 1.5mtr	10.00	EACH	10949.00	109490.00	10949.00	109490.00
31	Construction of chamber in all type of soil with 300 mm thick masonry in Cm 1:6 m 100mm thick C.C. 1:5:10 in foundation, 20mm thick insider plaster in Cm 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring , earthwork etc. complete as per design including disposal of surplus earth within a lead of 50 mtr. Inside size 450x4500mm depth upto 0.5m & 15Kg C.I. cover with frame	10.00	EACH	1132.00	11320.00	1132.00	11320.00
32	Construction of soakage well in all type of soil 300 mm thick dry masonry top and bottom 300 mm course in CM 1:6, 80 mm thick stone slab, jointing of slab in CM 1:3, Ralthal, Kharanja, 40 mm thick M-15 grade C.C. flooring, earth work complete as per approved drawing including disposal of earth within a lead of 50 mtr. : Size 300 Cm. dia outside & 300 Cm. depth.	4.00	EACH	10350.00	41400.00	10350.00	41400.00
33	Construction of septic tank in all type sof soil with 40cm thick masonry in CM 1:6 15cm thick CC bed of 1:5:10 M-15 grade CC flooring & over stone slab covering, 80mm thick slab jointing of slab in CM 1:3, Ralthal, Kharanja, 50mm thick stone partiton walls, 20mm thick plaster in CM 1:6 finished with neat floating cement, 4Nos C.I. foot rests of approved design, two No. 450mm dia 25Kg each C.I. cover with frame, earth work etc. complete as per approed drawing incl. disposal of surplus earth wtihin a lead of 50mtr. Size 400x140x150cm (for 50users)	4.00	EACH	27655.00	110620.00	27655.00	110620.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
34	P&F M.S. foot rests in with CM 1:3 standard design in 20mm square MS bar 50mm embedded in wall & 10cm projected out complete.	30.00	EACH	166.00	4980.00	166.00	4980.00
35	Construction of Cement concrete chamber 125mm dia. CP Brass doom grating	15.00	EACH	194.00	2910.00	194.00	2910.00
36	Providing and fixing 1st quality standard White/Ivory Glazed Tiles ISI marked (IS:13753) of size 300mmx200mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in white cement mixed with pigment to match the shade of tile complete (excluding the cost of cement plaster). Category-I Kajaria, Jhonson, Orient, Somani make etc.	125.00	SQM	753.00	94125.00	753.00	94125.00
37	P&F 1st quality MAT finished ceramic tile size 300x300mm confirming to IS : 13753 colour such as white, grey, ivory, fume red brown in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry incl. nicely finished joint using water proof joint filler powder (untile or roffe make) and finishing with flush pointing in white cement mixed with pigment to match the shade of tile complete (excl. the cost of cement plaster).	60.00	SQM	820.00	49200.00	820.00	49200.00
38	Supplying and fixing machine cut and polished stone shelves, tands and sills in CM 1:3 with machine cut edges: Kota stone 25 to 30 mm thick.	30.00	SQM	501.00	15030.00	501.00	15030.00
39	Extra for machine cut both side polished stone is used	30.00	SQM	54.00	1620.00	54.00	1620.00
	PART-D TUBE WELL WORK						
1	Development of tube well as per IS specification using suitable compressor to give and free water for required yield of the gravel packed tube well.	4.00	HR	659.00	2636.00	659.00	2636.00
2	Supply of ERW M.S. black casting pipe ISI marked (IS:4270/1992) of grade Fe 410 of following sizes at site of work.200 mm Nominal bore.	3.00	RMT	1256.00	3768.00	1256.00	3768.00
3	Testing vertically of tube-well be plumbing system and yield test and draw down test by pumping system as per IS:2800 (Part-II) 1979.	1.00	EACH	9224.00	9224.00	9224.00	9224.00
4	S & F tube well cover of tube well cover of M.S. sheet (6mm thick) with nuts and bolts complete for casing size :200 MM DIA	1.00	EACH	410.00	410.00	410.00	410.00
5	S & F M.S. clamp, set of 50x6mm flat from ion with nuts and bolts etc. for holding the riser pipe assembly of submersible pump set.	1.00	EACH	293.00	293.00	293.00	293.00
6	Providing & lowering of G.I. Pipes, flange pipe including rubber washer and nuts of 8 mm dia complete in all respect I.S.I. Make.B Class 50 mm dia.	5.00	RMT	250.00	1250.00	250.00	1250.00
7	P & F G.I. Pipes (Internal work) with G.I. fittings (IS:1239 Mark) & M.S. clamps including cutting and making good the walls and floors :	0.00		0.00	0.00	0.00	0.00
7.1	25 mm dia nominal bore. B-Class	30.00	RMT	288.00	8640.00	288.00	8640.00
7.2	50 mm dia nominal bore.B-Class	280.00	RMT	401.00	112280.00	401.00	112280.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
8	Making connection of G.I. distribution branch with G.I. main including all fitting.Beyond 25 mm & up to 100 mm dia.	5.00	EACH	567.00	2835.00	567.00	2835.00
9	P & F Full-way valve (IS:778 Mark) or wheel valve of approved make :Gun-metal 50 mm nominal bore.	4.00	EACH	1037.00	4148.00	1037.00	4148.00
10	P & F Gun-metal Non-return Valve or Check Valve (IS:Make) of approved make, superior quality :50 mm nominal bore. Horizontal	2.00	EACH	859.00	1718.00	859.00	1718.00
11	Supply and fixing of starter panel for following rating motors madeout with MS powder coated sheet housing, protection relays for overload, short cercuit and single phasing, on / off buttons etc. complete in all respect star/detta starter 12.5 to 17.5 HP	1.00	EACH	10500.00	10500.00	10500.00	10500.00
12	P/L ISI maked including PVC insulated submersible cable conforming to IS:694 with flexible copper conductor including making connection etc. as required 6.00 Sqm 3 core flat Group-I	90.00	RMT	188.00	16920.00	188.00	16920.00
13	SITC OFISI mark (IS:8472) centrifugal monoblock pump set of approved make, TEFC, permannent split capacitor type (PSC) fitted with thermal overload protection,m mechanical seat, 2880/3000 RPM single phase (180 to 240 V) incuding cost of hardware etc. on existing plateform complete. Pump shall have following HP rating phase, Head, minimum discharge respectively. 1.5HP, 1-Q, (6-28) Mtr, (150-75) LPM	2.00	EACH	8095.00	16190.00	8095.00	16190.00
	PART-E ELECTRICAL WORK						
1	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked (IS:9537 P - II) rigid steel conduit & it's accessories, round tiles,18 SWG M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, pvc bushes, check nuts, zinc plated / brass screws, cup washers, making connections, testing etc. as required.Group1						
1.1	Short point (up to 3 mtr.)	50.00	P. point	297.00	14850.00	297.00	14850.00
1.2	Medium point (up to 6 mtr.)	140.00	P. point	514.00	71960.00	514.00	71960.00
1.3	Long point (up to 10 mtr..)	250.00	P. point	750.00	187500.00	750.00	187500.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
2	Wiring of twin control light / Fan / Call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked (IS:9537 P - II) rigid steel conduit & it's accessories, round tles,18 SWG M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A two way switch, 3.0 mm thick ISI marked phenolic laminated sheet,pvc bushes, check nuts, zinc plated / brass screws, cup washers, making connections, testing etc. as required.Group1			0.00	0.00	0.00	0.00
2.1	Medium point (up to 6 mtr.)	2.00	P. point	516.00	1032.00	516.00	1032.00
2.2	Long point (up to 10 mtr..)	4.00	P. point	753.00	3012.00	753.00	3012.00
3	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked (IS:9537 P - II) rigid steel conduit & it's accessories, 18 SWG 175 mm x 100 mm x 60 mm M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board , 6 A switch, 6 A socket, 3.0 mm thick ISI marked phenolic laminated sheet, pvc bushes, check nuts, zinc plated / brass screws, cup washers, making connections, testing etc. as required.Group1			0.00	0.00	0.00	0.00
3.1	On board	100.00	P. point	98.00	9800.00	98.00	9800.00
3.2	Medium point (up to 6 mtr.)	28.00	P. point	536.00	15008.00	536.00	15008.00
3.3	Long point (up to 10 mtr..)	14.00	P. point	763.00	10682.00	763.00	10682.00
4	S&F following sizes (dia.) of ISI marked (IS:9537 P - II) rigid steel conduit along with accessories in surface / recessed using saddles, clamps, fastener pvc bushes, check nuts, as required including cutting the wall and making good the same as required.Group1			0.00	0.00	0.00	0.00
4.1	20 mm	131.00	RMT	94.00	12314.00	94.00	12314.00
4.2	25 mm	400.00	RMT	120.00	48000.00	120.00	48000.00
4.3	50 mm	10.00	RMT	377.00	3770.00	377.00	3770.00
5	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.Group1			0.00	0.00	0.00	0.00
5.1	1 x 1.5 sq.mm	100.00	RMT	14.00	1400.00	14.00	1400.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
5.2	3x 1.5 sq.mm	200.00	RMT	40.00	8000.00	40.00	8000.00
5.3	2 x 2.5 sq. mm. + 1x1.5sqmm	800.00	RMT	53.00	42400.00	53.00	42400.00
5.4	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm.	500.00	RMT	77.00	38500.00	77.00	38500.00
5.5	1 x 6.0 sq.mm	40.00	RMT	46.00	1840.00	46.00	1840.00
5.6	2 x 6.0 sq. mm. + 1 x 2.5 sq. mm.	80.00	RMT	109.00	8720.00	109.00	8720.00
6	Supplying and drawing PVC/ Polythene insulated and PVC sheathed unarmoured/ armoured telephone cable with 0.5 mm dia. Tinned / annealed copper conductor taped & confirming to ITD specification S/WS -113C of approved make in existing surface or recessed conduit/casing capping.Group1 Unarmoured Telephone cable in existing surface or recessed conduit/casing capping.			0.00	0.00	0.00	0.00
6.1	2 pair	300.00	RMT	13.00	3900.00	13.00	3900.00
6.2	10 pair	100.00	RMT	54.00	5400.00	54.00	5400.00
7	Supplying and fixing of power plug point accessories on 18 SWG metal box of size 175 x 100 x 60 mm. on surface or in recessed with suitable size phenolic laminated sheet cover including cost of 6 pin 16 amp. Switch and socket outlet , making connection , testing , etc. as required.Group1	35.00	EACH	235.00	8225.00	235.00	8225.00
8	P & F Krone module with base frame in the recess / surface made out of 16 SWG sheet steel box, front openable, having locking arrangements duly powder painted.,including dressing, ferruling and punching of telephone cable with krone tool etc. as required.Group1 10 pairs	2.00	EACH	681.00	1362.00	681.00	1362.00
9	P & F 18 SWG Sheet steel boxes duly finished with two coats of red oxide and with earthing terminal of following sizes (nominal size) on surface or in recessed as required.Group1			0.00	0.00	0.00	0.00
9.1	100mm x 100mm x 60mm	15.00	EACH	45.00	675.00	45.00	675.00
9.2	175mm x 100mm x 60mm	15.00	EACH	57.00	855.00	57.00	855.00
10	P & F paper phenolic resin bonded laminates confirming to IS : 2036 - 1995 for boxes/ frames including making holes for switches etc, with brass screws, washers/ zinc plated nut and bolts as required.Group1 3.0 mm thick	0.42	SQM	680.00	286.00	680.00	286.00
11	P & F phenolic laminated sheet 2.0 mm thick of size 75 mm dia. Including screws, cup washer as required.Group1	10.00	EACH	7.00	70.00	7.00	70.00
12	P & F P.V.C. sheet of size 75 mm dia. Including screws, cup washer as required.Group1	63.00	EACH	4.40	277.00	4.40	277.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
13	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required.Group1			0.00	0.00	0.00	0.00
13.1	Single pole MCB 6 A to 32 A rating	73.00	EACH	151.00	11023.00	151.00	11023.00
13.2	Four pole MCB 40 A 63 A rating	16.00	EACH	1378.00	22048.00	1378.00	22048.00
13.3	Triple pole MCB 6 A to 32 A rating	12.00	EACH	918.00	11016.00	918.00	11016.00
14	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with suitable rating insulated copper bus bar, shorting link , neutral link, earth link and din bar,masking sheet, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required.Group1 Double door (Three phase) 6 Way	8.00	EACH	2070.00	16560.00	2070.00	16560.00
15	P&F metal clad industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in sheet steel enclosure (without MCB) including making connections with lugs, testing etc.as requiredGroup1 Single / Double Pole (Three pin) 20 A	4.00	EACH	725.00	2900.00	725.00	2900.00
16	P&F recessed mounting heavy duty sheet steel End Box for distribution board duly phophatised powder coated complete as required.Group1 For TPN 6 way DB	8.00	EACH	550.00	4400.00	550.00	4400.00
17	P & F ISI marked flush type single line telephone jack including making connection testing etc. as required.Group1	14.00	EACH	53.00	742.00	53.00	742.00
18	P & F ISI marked socket size flush type 120/280 watt rotary 5 step fan regulator including making connection testing etc. as required.Group1	63.00	EACH	210.00	13230.00	210.00	13230.00
19	P & F ISI marked gong bell including making connection testing etc. as required.Group1	7.00	EACH	60.00	420.00	60.00	420.00
20	P & F ISI marked single tone electronic call bell including making connection testing etc. as required.Group1	6.00	EACH	225.00	1350.00	225.00	1350.00
21	P & F ISI marked ding dong/musical chime bell including making connection testing etc. as required.Group1	1.00	EACH	115.00	115.00	115.00	115.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
22	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly treated for derusting in 7 tank process with dephosphating and with powder coating on both side of panel in desired shade The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness , separate detachable gland plate M.S. base channel ,hinged door with locking arrangement for equipment/switchgear . Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required . Side walls and cable alley compartments having bolted type doors with / without detachable extension type structure. (only outer area on all sides shall be measured & panel to be fabricated from CPRI approved fabricator)Group1	12.00	SQM	2752.00	33024.00	2752.00	33024.00
23	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves.Group1 Electrolytic grade Copper bus bar	8.00	KG	675.00	5400.00	675.00	5400.00
24	SF of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.Group1 Digital type	2.00	EACH	1100.00	2200.00	1100.00	2200.00
25	SF of CT operated direct reading type Ampere meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.Group1 Digital type Below 500 A	2.00	EACH	1100.00	2200.00	1100.00	2200.00
26	SF of Current Transformer , with all necessary support in existing panel including connection etc. as required .Group1 up to 150 / 5 Ratio , 5 VA , class 1 accuracy	7.00	EACH	306.00	2142.00	306.00	2142.00
27	SF of selector switch of 10 A for voltmeter (4 position) including making connection etc. as required .Group1	2.00	EACH	228.00	456.00	228.00	456.00
28	SF of CT linked selector switch of 10 A for Ampere meter (4 position) including making connection etc. as required .Group1	2.00	EACH	286.00	572.00	286.00	572.00
29	SF of 110/220 V, LED (22.5 mm dia) Indicating lamp with integral circuit, terminal block, including connection etc. as required.Group1			0.00	0.00	0.00	0.00
29.1	Red/yellow/Green colour	16.00	EACH	150.00	2400.00	150.00	2400.00
29.2	Blue colour	2.00	EACH	250.00	500.00	250.00	500.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
30	SITC of self healing MPP/MP type shunt capacitor (banks) conforming to IS:13340-41 / IEC :831-1&2 in existing panel or parallel with load terminals , the capacitor shall be fitted with discharge resistors, pressure sensitive disconnecter (PSD) and shall have dissipation factor less than 0.0025 at 50 Hz and total wattage loss less than 0.5 Watt per KVAR . including making connections with suitable capacity conductors/cables testing etc. as required.Group1 Heavy duty Three phase 440 V , 50 Hz capacitor (Bank)	80.00	KVAR	546.00	43680.00	546.00	43680.00
31	SITC of microprocessor based three phase sensing power factor correction relay having following sensing capacity secondary current , self analysing auto c/k setting according to targeted power factor setting, the relay shall have digit display unit for display of real power factor, targeted power factor, lag/lead capacitor switching status, alarm output for under current, over current, insufficient compensation, indication of switching on units, auto/manual status, and shall have over load protection, no volt release , having multi parameter like KW, KVA, KVAR, metering facility as required.Group1 12 to 14 stage sensitivity up to 50 milli Amp	1.00	EACH	20648.00	20648.00	20648.00	20648.00
32	P & F Cam operated rotary switches on existing panel with 2 way and off positionGroup1 two pole 32 A	12.00	EACH	387.00	4644.00	387.00	4644.00
33	P & F of 440 Volt 3 pole capacitor (AC 6 B) duty contactor with 3 no. early make and post break auxiliary contacts in series with quick discharge damping resistors/ reactors to limit the inrush current , conforming to IS:13947-4-1/IEC:947-4-1, Din rail mounting type including making connections, testing etc. as required. suitable for following capacity capacitor bank.Group1			0.00	0.00	0.00	0.00
33.1	UPTO 6 KVAR	5.00	EACH	1100.00	5500.00	1100.00	5500.00
33.2	7 to 10 KVAR	2.00	EACH	1450.00	2900.00	1450.00	2900.00
33.3	11 to 20 KVAR	2.00	EACH	2068.00	4136.00	2068.00	4136.00
34	SITC of quick make and quick break 3 pole current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 60947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip , earth fault trip, push (test) to trip, including making connections with lugs / spreaders, etc. as required.Group1 With Thermal Magnetic release			0.00	0.00	0.00	0.00
34.1	up to 100 Amp , 10 kA, fixed O/L & S/C setting	2.00	EACH	1732.00	3464.00	1732.00	3464.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
34.2	160 Amp , 25 kA, adjustable O/L & fixed S/C setting, lcs = 100 % lcu	1.00	EACH	7363.00	7363.00	7363.00	7363.00
34.3	400 Amp ,35 kA, adjustable O/L & adjustable S/C setting, lcs = 100 % lcu	1.00	EACH	24688.00	24688.00	24688.00	24688.00
35	P&F 240 V Sheet steel powder coated rewire able porcelain switch fuse unit conforming to IS:13947 P-I&III including making connections with lugs, testing etc. as required.Group1 32 A / 415 V	2.00	EACH	1337.00	2674.00	1337.00	2674.00
36	P&F TP&N 415 V sheet steel powder coated HBC cum rewire able switch fuse unit with porcelain kit-kat (w/o HBC) & neutral link and conforming to IS:13947 P-I&III and making connections with lugs testing etc. as required.Group1 63 A rating	2.00	EACH	2968.00	5936.00	2968.00	5936.00
37	P&F on load change over switch, front handle operated, four pole 415 V conforming to IS:13947 P-III including connections , testing etc. as required in the following rating:Group1 Open execution type 125 A	1.00	EACH	6398.00	6398.00	6398.00	6398.00
38	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.Armoured Group1			0.00	0.00	0.00	0.00
38.1	6.0 Sq.mm 4 core	250.00	RMT	146.00	36500.00	146.00	36500.00
38.2	10.0 Sq.mm 4 core	300.00	RMT	170.00	51000.00	170.00	51000.00
38.3	16.0 Sq.mm 4 core	250.00	RMT	178.00	44500.00	178.00	44500.00
38.4	50.0 Sq.mm 3.5 core	50.00	RMT	299.00	14950.00	299.00	14950.00
38.5	70.0 Sq.mm 3.5 core	80.00	RMT	388.00	31040.00	388.00	31040.00
39	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty aluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.			0.00	0.00	0.00	0.00
39.1	3.5 x 50.0 sq.mm	2.00	SET	132.00	264.00	132.00	264.00
39.2	3.5 x 70.0 sq.mm	1.00	SET	186.00	186.00	186.00	186.00
39.3	4 x 6.0 sq.mm	2.00	SET	63.00	126.00	63.00	126.00
39.4	4 x 10.0 sq.mm	4.00	SET	63.00	252.00	63.00	252.00
39.5	4 x 16.0 sq.mm	4.00	SET	108.00	432.00	108.00	432.00
40	P , Laying &Jointing R.C.C. class NP-2 (Non pressure) pipes (IS:458) with collars. Jointed with cement mortar of ratio 1:2 including excavation etc. as required. 100 mm dia internal.	34.00	RMT	254.00	8636.00	254.00	8636.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
41	Maintenance free Gel Earthing with Pipe in pipe / Pipe in strip technology filled with anti corrosive conductive compound (CPRI Tested) below the ground in 150 - 200 mm dia. earth pit & surrounding filled with required mineral filling compound (MFC should have hygroscopic property to retain the moisture for long time to create low resistance zone) and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete testing of earth resistance as required. of following sizes. With Strip in Pipe Technology with 80 - 100 micron GI Coating GI pipe 2000 mm long ,63 / 80mm, Inner strip 50 mm x 3 mm copper	2.00	SET	8970.00	17940.00	8970.00	17940.00
42	Plate Earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer, nipple ,wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	2.00	SET	9200.00	18400.00	9200.00	18400.00
43	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required.			0.00	0.00	0.00	0.00
43.1	8 SWG copper Wire	30.00	RMT	79.00	2370.00	79.00	2370.00
43.2	20mm x 3mm copper strip	20.00	RMT	402.00	8040.00	402.00	8040.00
44	S & Laying following size 'B' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessories for laying earth conductor/strip / cable in ground/surface/recess as required			0.00	0.00	0.00	0.00
44.1	25 mm dia.	30.00	RMT	186.00	5580.00	186.00	5580.00
44.2	50 mm dia.	20.00	RMT	354.00	7080.00	354.00	7080.00
45	Making of hole in wall of required size for housing exhaust fan and making good the same, with cement plaster as required of following size:Group1 Up to 457 mm size	3.00	EACH	200.00	600.00	200.00	600.00
46	P & F double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required.Group1 1400 mm sweep	63.00	EACH	1536.00	96768.00	1536.00	96768.00
47	P & F 18 swg M.S. Recessed fan box, hexagonal/ round of size 130 mm dia, depth 75mm, 12 mm dia rod fan hook with 100 mm length extended on each side .Group1	65.00	EACH	95.00	6175.00	95.00	6175.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
48	P & F of iron hook/clamp 40 mm x 5 mm M.S. flat complete with nut & bolt etc. as required.Group1	75.00	EACH	45.00	3375.00	45.00	3375.00
49	P&F of Double ball bearing, capacitor start single phase metallic blade fresh air fan, in existing opening including cost of hardware , flexible copper conductor ,making connections, testing etc. as required.Group1 300 mm sweep	1.00	EACH	1856.00	1856.00	1856.00	1856.00
50	P&F of Heavy duty capacitor start, Double ball bearing 900/1400 RPM single phase ISI marked Exhaust fan,IS:2312 marked in existing opening including making connections testing etc. as required.Group1 300 mm sweep(900/1400 RPM)	3.00	EACH	3002.00	9006.00	3002.00	9006.00
51	P & F extra down rod of 15 mm dia. ERW (Electrical resistance welded)medium duty steel pipe including cutting, threading, drilling, fixing quarter pin etc as reqd.	100.00	RMT	89.00	8900.00	89.00	8900.00
52	P & F of Gravity Louver shutter of superior quality made out of frame of 18 swg M.S. sheet & Louvers made from 24 swg MS Sheet with enamel paint including cost of nuts, bolts, etc as reqd. Up to 380 mm size	3.00	EACH	225.00	675.00	225.00	675.00
53	P & F strip type fluorscent tube fitting fabricated from (CRCA sheet and finished with powder coating / stove enamelled paint)/(extruded non corrosive UV resist EP channel) complete with accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required. (without tube)Group1 1 X 28 Watts with EB	100.00	EACH	449.00	44900.00	449.00	44900.00
54	P & F industrial fluorescent tube fitting with reflector fabricated from CRCA sheet and finished with powder coating / vitreous enamelled complete with accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required.(without tube)Group1 With powder coated reflector 2 X 28 Watts with EB	75.00	EACH	2149.00	161175.00	2149.00	161175.00
55	P & F Fluorscent tube rod in existing fixtures as required, minimum 3 STAR ratingGroup1 T5 lamps 28 Watts	260.00	EACH	140.00	36400.00	140.00	36400.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
56	P & F IP-43 protected street light luminaire on existing bracket suitable for FTL / T5 lamps, housing made out from stove enamel painted aluminium alloy, stove enamel painted CRCA sheet canopy reflector cum control gear tray, UV Stabilized clear ribbed acrylic diffuser held with synthetic gasket, min 6 nos. of toggles for securing acrylic cover with housing with all necessary accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke prewired with pvc insulated copper conductor including making connection testing etc. as required. (without tube)Group1 1 X 28 Watt with EB	10.00	EACH	1435.00	14350.00	1435.00	14350.00
57	P & F IP-65 protected street light luminaire on existing bracket suitable for HPSV/ MH LAMP, made from powder coated single piece pressure die cast aluminium housing, electrochemically brightened and anodized POT optics aluminium reflector, heat resistant and toughened glass cover and accessories like copper ballast, electronic ignitor, capacitor, holder prewired up to terminal block etc. as required including making connection testing etc. as required (without lamp)Group1 street light suitable for HPSV lamps 1 X 150 Watt	8.00	EACH	5250.00	42000.00	5250.00	42000.00
58	P & F Normal / High Output High pressure sodium vapour/ Metal halide / Halogen lamp as required.Group1 HPSV Tubular lamp high output 150 Watt 17500 Lumens	8.00	EACH	485.00	3880.00	485.00	3880.00
59	Supply and erection of M S swaged tubular pole conforming to IS: 2713-1980 (part I to II) with galvanised base plate in position including excavation of the pit and filling the same with C.C. of M-20 grade (1:1.5:3) from base plate to 50cm above ground level, with the help of steel frame not less than 40 cm dia up to 114.3mm outer dia and 50 cm beyond 114.3mm outer dia around the pole. Duly finished with cement plaster, earthing terminals , cable entry, GI cable sleeve complete as required. The pole shall be fabricated by using ISI mark tube for structural purpose of following height & designation. (See Table E - 09 for specs.) 9.0 Mtr. (410 SP - 28)	6.00	EACH	8856.00	53136.00	8856.00	53136.00
60	Add for supply and fixing of M S Overhang of following size over the existing poles 76.1 mm OD x 3.25 mm thickness	6.00	RMT	450.00	2700.00	450.00	2700.00
61	P&F of thermoplastic/ PVC cable junction boxes of following sizes including clamps for holding the box, cost of DIN rail for MCB mounting, connectors for cables terminals, threaded cable glands made of polyamide material etc. complete in all respect. 175mm X 150mm X100mm	8.00	EACH	450.00	3600.00	450.00	3600.00

S. NO.	ITEM	QTY.	UNIT	AS PER 'G'-SCHEDULE		AS PER MARKET RATE	
				RATE	AMOUNT	RATE	AMOUNT
1	2	3	4	5	6	7	8
62	S & F of Street light bracket made out from following size of ' B ' class GI pipe with heavy duty pole clamp, Saddles suitable fastners etc. as required. 40mm dia	12.00	RMT	500.00	6000.00	500.00	6000.00
63	Supply & Fixing ISI marked (IS:13849) Portable Fire Exitnguisher, ABC type,finished externally with red enamel paint, complete in all respects including initial fill and wall suspension of following capacity. 9kg	4.00	EACH	3200.00	12800.00	3200.00	12800.00
64	SITC of Air Cooled split type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU) with stand, surface / concealed copper Refrigerant piping with insulation (EP foam pipe section) upto 3 Mtr (IDU to ODU), copper power cable upto 4 Mtr (IDU to ODU), R-22 Refrigerant, Remote, suitable for 400/230V +10% of 50 Hz ,1 /3 phase AC supply capable of performing cooling, dehumidification, air circulation of following capacity with Scroll / reciprocating / rotary compressor as specified.Group2 Hi Wall/Ceiling Wall Split 1.5 TR with 3 star rating of BEE	1.00	EACH	46090.00	46090.00	46090.00	46090.00
65	Supply, Fixing and testing of following capacity wall mounted stablisers having output voltage variation from 200 V to 250 V(+/-5%) with input voltage variation from 170 V to 260 V, time delay facility from 2 to 4 minute and high cutoff at 270 V complete in all respect Group2 4kVA	1.00	EACH	2750.00	2750.00	2750.00	2750.00
66	Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required. Group2 10.0 Sqm	150.00	RMT	47.60	7140.00	47.60	7140.00
	TOTAL				60487280.00		55041486.00

(i) Computation of market rates in comparision of BSR rates = $\frac{55041486.00 - 60487280.00}{60487280.00} \times 100.00 = -9.00 \% \text{ Below}$

ASSISTANT ENGINEER

EXECUTIVE MANAGER

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift up to 1.5 Mtr. including taking out the excavated soil and depositing and refilling of jhiri with watering and ramming and disposals of surplus excavated soil as directed with a lead in a 50 meter. Hard Rock (Blasting Prohibited)				
	Details of cost for 10 cum.				
	MACHINERY				
	Hydraulic Excavator (3D) with driver and fuel.	Day	0.13	6600.00	825.00
	Hire and running charges of tipper	Day	0.13	1100.00	137.50
	Labour-				
	Excavators	Day	2.65	750.00	1987.50
	Breakers	Day	6.18	750.00	4631.25
	Chisellers	Day	1.06	450.00	477.00
	Black smith II class	Day	0.18	325.00	56.88
	Beldars	Day	1.50	275.00	412.50
	Coolies	Day	2.94	250.00	735.00
	Sundries	L.S.	17.94	1.00	17.94
	TOTAL				9280.57
	Add for water charges			0.01	92.81
	TOTAL				9373.37
	Add for contractor's profit and overheads			0.10	937.34
	Cost of 10 cum.				10310.71
	Cost of 1 cum.				1031.07
	Say				1031.00
	Details of cost for 6 holes-				
	Excavation- 6x0.50 = 3.0cum.				
	Rate of item no 1.9.3	cum	3.00	1031.00	3093.00
	Extra labour for filling and ramming				
	Sundries	L.S.	80.73	1.00	80.73
	TOTAL				3173.73
	Add 1% for water charges on all except (A)			0.01	0.81
	TOTAL				3174.54
	Add 10% for contractor's profit and overheads on all except (A)			0.10	8.07
	Cost of 6 holes				3182.61
	Cost of 1 hole				530.44
	Say				530.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
2	Providing and laying in position cement concrete including curing compaction etc. of specified grade excluding the cost of centering and shuttering =All up to plinth level 1:4:8 (1Cement :4 Course Sand :8 Graded stone aggregate 40 mm nominal size Details of cost for 1 cum. Materials : Stone aggregate 40mm (one size) (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum) Stone aggregate 20mm (one size) Carriage of aggregate 40mm Carriage of aggregate 20mm Coarse sand Carriage of coarse sand Cement (0.1175 cum) Carriage of cement Labour: Mason Beldar Bhishti Mixer Vibrator Sundries TOTAL Add 1% for water charges TOTAL Add 10% for contractor's profit and overheads Cost of 1 cum. Say				
	Stone aggregate 40mm (one size) (0.70 cum-7.5% for voids i.e. 0.05 = 0.65 cum)	cum	0.65	575.00	373.75
	Stone aggregate 20mm (one size)	cum	0.24	600.00	144.00
	Carriage of aggregate 40mm	cum	0.65	0.00	0.00
	Carriage of aggregate 20mm	cum	0.24	0.00	0.00
	Coarse sand	cum	0.47	1050.00	493.50
	Carriage of coarse sand	cum	0.47	0.00	0.00
	Cement (0.1175 cum)	tonne	0.17	5000.00	850.00
	Carriage of cement	tonne	0.17	0.00	0.00
	Labour:				
	Mason	Day	0.1	450.00	45.00
	Beldar	Day	1.63	275.00	448.25
	Bhishti	Day	0.7	300.00	210.00
	Mixer	Day	0.07	440.00	30.80
	Vibrator	Day	0.07	220.00	15.40
	Sundries	L.S.	13.52	1.00	13.52
	TOTAL				2624.22
	Add 1% for water charges			1.00%	26.24
	TOTAL				2650.46
	Add 10% for contractor's profit and overheads			10.00%	265.05
	Cost of 1 cum.				2915.51
	Say				2916.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
3	Random Rubble stone masonry for foundation and plinth in Cement Sand Mortar above 30 Cm. thick wall in : Cement Mortar 1:6 (1-Cement:6-Sand). Details of cost for 1 cum MATERIALS (0.178 cum. of cement = 0.25 tonne)				
	Cement	tonne	0.25	5000.00	1250.00
	Carriage of Cement	tonne	0.25	0.00	0.00
	Coarse sand	cum	1.07	1050.00	1123.50
	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
	Beldar	Day	0.75	275.00	206.25
	Bhisti	Day	0.07	300.00	21.00
	Hire and running charges of mechanical mixer	L.S.	26.91	1.00	26.91
	Sundries	L.S.	13.52	1.00	13.52
	Cost of 1.00 cum				2641.18
	Say				2641.00
	Details of cost for 1 cum.				
	Materials :				
	Stone at quarry	cum	1	450.00	450.00
	Through and bond stones 7 nos.	100 Nos	7	670.00	46.90
	Carriage of stone- 7.00x24cmx24cmx39cm = 0.16 cum. 1.00cum. + 0.16 cum. = 1.16 cum.	cum	1.16	0.00	0.00
	Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 2.5)	cum	0.33	2641.00	871.53
	LABOUR ;				
	Mason 2nd class	Day	1.07	425.00	454.75
	Beldar	Day	1.07	275.00	294.25
	Coolie	Day	0.71	250.00	177.50
	Bhishti	Day	0.09	300.00	27.00
	Sundries	L.S.	4.42	1.00	4.42
	TOTAL				2326.35
	Add 1% for water charges			1.00%	23.26
	TOTAL				2349.61
	Add 10% for contractor's profit and overheads			10.00%	234.96
	Cost of 1 cum.				2584.57
	Say				2585.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
4	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor three level. Tremo Mechanically treated bars (TATA, SAIL, VIZAC,-RINL)				
	Details of cost for 1 quintal-				
	Materials:				
	TMT bars = 1.00 q				
	Wastage 5% = 0.05 q				
	Total = 1.05q	quintal	1.05	4250.00	4462.50
	Carriage of steel 1.05/10 = 0.105t	tonne	0.105	0.00	0.00
	Cover block	L.S.	26	1.00	26.00
	Binding wire	Kg	8	58.00	464.00
	Labour :				
	For straightening, cutting, bending, binding and placing in position-				
	Blacksmith 1st class	Day	1	425.00	425.00
	Beldar	Day	1	275.00	275.00
	Sundries	L.S.	26.91	1.00	26.91
	TOTAL				5679.41
	Add 1% for water charges			1.00%	56.79
	TOTAL				5736.20
	Add 10% for contractor's profit and overheads			10.00%	573.62
	Cost of one quintal				6309.82
	Cost of 1 Kg.				63.10
	Say				63.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
5	Providing and laying in position specified grade of reinforced cement concrete including curing compaction finishing with rendering in cement sand mortar 1:3 (1-Cement:3-coarse sand) and making good the joints excluding the cost of centering, shuttering and reinforcement. All work up to plinth level : 1:1.5:3 (1-Cement:1.5 coarse sand:3-graded stone aggregate 20 mm nominal size)				
	Details of cost for 1 cum.				
	Materials :				
	20mm stone aggregate	cum	0.57	600.00	342.00
	10mm stone aggregate	cum	0.28	600.00	168.00
	Carriage of aggregate	cum	0.85	0.00	0.00
	Coarse sand	cum	0.425	1050.00	446.25
	Carriage of coarse sand	cum	0.425	0.00	0.00
	Cement (0.2833 cum)	tonne	0.4	5000.00	2000.00
	Carriage of cement	tonne	0.4	0.00	0.00
	Labour:				
	Mason	Day	0.17	450.00	76.50
	Beldar	Day	2	275.00	550.00
	Bhishti	Day	0.9	300.00	270.00
	Mixer	Day	0.07	440.00	30.80
	Vibrator	Day	0.07	220.00	15.40
	Sundries	L.S.	14.3	1.00	14.30
	TOTAL				3913.25
	Add 1% for water charges			1.00%	39.13
	TOTAL				3952.38
	Add 10% for contractor's profit and overheads			10.00%	395.24
	Cost of 1 cum.				4347.62
	Say				4348.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
6	Centering and shuttering with plywood or steel sheets including strutting, propping, bracing both ways and removal of formwork for foundations in basements rafts, footings, strap beams, bases of columns , etc. up to plinth level. Details of cost for footing size 2.7mx2.7mx1.00m Contact area = 10.8 sqm. Materials : Assuming shuttering material will become unserviceable after use of 40 times Adding for maintenance @ 10% of cost Taking salvage value after full use of material @ 25% of cost				
	Wall form panel 1250x500mm	each	0.34	660.00	224.40
	Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$				
	Corner angle (1.5m long)	each	0.085	198.00	16.83
	Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$				
	100mm channel shoulders 2.5m long	each	0.17	715.00	121.55
	Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$				
	Double clip (bridge clip)	each	0.34	66.00	22.44
	Qty taken for cost of using once = $16 \times 0.85 / 40 = 0.34$				
	Single clip	each	0.17	55.00	9.35
	Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$				
	MS tube 40mm - $4 \times 2.7\text{m} = 10.8\text{m}$	metre	0.2295	176.00	40.39
	Qty taken for cost of using once = $10.8 \times 0.85 / 40 = 0.2295$				
	Assembly nuts & bolts	L.S.	22.1	1.00	22.10
	Qty taken for cost using once = $1040 \times 0.85 / 40 = 22.10$				
	Carriage	L.S.	78	1.00	78.00
	Labour:				
	Fitter Grade-I	Day	0.75	425.00	318.75
	Beldar	Day	1.5	275.00	412.50
	Shuttering oil	L.S.	52	1.00	52.00
	Sundries	L.S.	26	1.00	26.00
	TOTAL				1344.31
	Add 1% for water charges			1.00%	13.44
	TOTAL				1357.76
	Add 10% for contractor's profit and overheads			10.00%	135.78
	Cost for 10.8 sqm.				1493.53
	Cost per sqm.				138.29
	Say				138.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
7	Random Rubble stone masonry for superstructure above plinth level one storey height above 30 Cm. thick walls in : Cement Mortar 1:6 (1-Cement:6-Sand).				
	Details of cost for 1 cum.				
	Materials :				
	Stone at quarry	cum	1	450.00	450.00
	Through and bond stones 7 nos.	100 Nos	7	670.00	46.90
	Carriage of stone- 7.00x24cmx24cmx39cm = 0.16 cum.				
	1.00cum. + 0.16 cum. = 1.16 cum.	cum	1.16	0.00	0.00
	Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 2.5)	cum	0.33	0.00	0.00
	LABOUR ;				
	Mason 2nd class	Day	1.07	425.00	454.75
	Beldar	Day	1.07	275.00	294.25
	Coolie	Day	0.71	250.00	177.50
	Bhishti	Day	0.09	300.00	27.00
	Sundries	L.S.	4.42	1.00	4.42
	TOTAL				1454.82
	Add 1% for water charges			1.00%	14.55
	TOTAL				1469.37
	Add 10% for contractor's profit and overheads			10.00%	146.94
	Cost of 1 cum.				1616.31
	Say				1616.00
	Details of cost for 1 cum.				
	Scaffolding etc.	L.S.	67.34	1.00	67.34
	Labour :				
	Labour for laying cement concrete	L.S.	10.79	1.00	10.79
	Mason (2nd class)	Day	0.27	425.00	114.75
	Beldar	Day	0.38	275.00	104.50
	Extra labour for lifting of materials upto floor V level- 0.75x1.50 = 1.13				
	Coolie	Day	1.13	250.00	282.50
	TOTAL				579.88
	Add 1% for water charges			1.00%	5.80
	TOTAL				585.68
	Add 10% for contractor's profit and overheads			10.00%	58.57
	Cost of 1 cum.				644.25
	Say				644.00
	Rate same as item no.6.1.6				1616.00
	Add extra for random rubble masonry with hard stone in superstructure above plinth level and upto floor five level,				
	Rate same as item no.6.2.1 B				644.00
	Cost for Superstructure A+B				2260.00
	cost of 1 Cum				
	Say				2260.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
8	Extra for facing as per design and detailed specifications including additional cost of stones over for : Course rubble facing First Sort. Details of cost for 1 Sqm				
	Materials-				
	Through and bond stone 7 nos.	100 Nos	7	670.00	46.90
	Carriage of stone 7.00x24cmx24cmx39cm = 0.16 cum.				
	0.16 cum.	cum	0.16	0.00	0.00
	Labour:				
	Mason (2nd class)	Day	0.8	425.00	340.00
	Beldar	Day	0.25	275.00	68.75
	Sundries	L.S.	13.52	1.00	13.52
	TOTAL				469.17
	Add 1% for water charges			1.00%	4.69
	TOTAL				473.86
	Add 10% for contractor's profit and overheads			10.00%	47.39
	Cost of 1 Sqm.				521.25
	Say				521.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
9	Pointing on stone masonry in cement sand mortar 1:3 (1-Cement:3-Sand) : Deep grooved pointing.				
	Details of cost for 1 cum				
	MATERIALS				
	(0.357 cum. of cement = 0.51 tonne)				
	Cement	tonne	0.51	5000.00	2550.00
	Carriage of Cement	tonne	0.51	0.00	0.00
	Coarse sand	cum	1.07	1050.00	1123.50
	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
	Beldar	Day	0.75	275.00	206.25
	Bhisti	Day	0.07	300.00	21.00
	Hire and running charges of mechanical mixer	L.S.	26.91	1.00	26.91
	Sundries	L.S.	13.52	1.00	13.52
	Cost of 1.00 cum				3941.18
	Say				3941.00
	Detail of cost for 10 sqm				
	MATERIALS				
	Cement mortar 1 : 3 (1 cement : 3 fine sand) (Rate as per item No 2.2.)	cum	0.03	3941.00	110.35
	Sundries	L.S.	7.15	1.00	7.15
	LABOUR				
	Mason	Day	1.00	450.00	450.00
	Coolie	Day	1.50	250.00	375.00
	Bhisti	Day	0.50	300.00	150.00
	Scaffolding and racking out joints including sundries	L.S.	16.12	1.00	16.12
	TOTAL				1108.62
	Add 1% for water charges			1.00%	11.09
	TOTAL				1119.70
	Add 10% for contractor's profit and overheads			10.00%	111.97
	Cost of 10.00 sqm				1231.67
	Cost of 1.00 sqm				123.17
	Say				123.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
10	Reinforced cement concrete work in beams, suspended floors, roofs, girders having slopes up to 15o , landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases, up to floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1-Cement:3-coarse sand) and making good and joints excluding the cost of centering, shuttering and reinforcement: 1:1.5:3 (1-Cement:1.5 coarse sand:3-graded stone aggregate 20 mm nominal size).				
	Details of cost for 1 cum.				
	Materials :				
	Stone aggregate 20mm	cum	0.67	600.00	402.00
	Stone aggregate 10mm	cum	0.22	600.00	132.00
	Carriage of aggregate	cum	0.89	0.00	0.00
	Coarse sand	cum	0.445	1050.00	467.25
	Carriage of coarse sand	cum	0.445	0.00	0.00
	Cement (0.2225 cum)	tonne	0.32	5000.00	1600.00
	Carriage of cement	tonne	0.32	0.00	0.00
	Labour:				
	Mason	Day	0.24	450.00	108.00
	Beldar	Day	2.75	275.00	756.25
	Bhishti	Day	0.9	300.00	270.00
	Mixer	Day	0.08	440.00	35.20
	Vibrator	Day	0.08	220.00	17.60
	Sundries	L.S.	14.3	1.00	14.30
	Extra labour for lifting material upto floor V level :				
	Coolie (1.5x0.75)	Day	1.13	250.00	282.50
	TOTAL				4085.10
	Add 1% for water charges			1.00%	40.85
	TOTAL				4125.95
	Add 10% for contractor's profit and overheads			10.00%	412.60
	Cost for 1 cum.				4538.55
	Say				4539.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
11	Reinforced cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1-Cement:3-coarse sand) and making good the joints excluding cost of centering shuttering and reinforcement : 1:1.5:3 (1-Cement:1.5 coarse sand:3-graded stone aggregate 20 mm nominal size).				
	Details of cost for a counterfort				
	Retaining wall 4.5m high and 6m long.				
	Base - $1 \times 6 \times 1.5 \times 0.2 = 1.80$ cum.				
	Heel - $1 \times 6 \times 0.3 \times 0.2 = 0.36$ cum.				
	$1 \times 6 \times 0.3 \times 0.3 = 0.54$ cum.				
	Stem - $1 \times 6 \times 4.3 \times 0.2$ (Avg.) = 5.16 cum.				
	triangular counter forts - $2 \times 1/2 \times 4.4 \times 1.5 \times 0.2 = 1.32$ cum.				
	= 9.18 cum.				
	Materials :				
	Stone aggregate 20mm	cum	5.2326	600.00	3139.56
	Stone aggregate 10mm	cum	2.5704	600.00	1542.24
	Carriage of aggregate 20mm and 10mm	cum	7.803	0.00	0.00
	Coarse sand	cum	3.9015	1050.00	4096.58
	Carriage of coarse sand	cum	3.9015	0.00	0.00
	Cement (0.2833 cum)	tonne	3.672	5000.00	18360.00
	Carriage of cement	tonne	3.672	0.00	0.00
	Labour:				
	Beldar	Day	11.29	275.00	3104.75
	Coolie	Day	7.53	250.00	1882.50
	Bhishti	Day	8.26	300.00	2478.00
	Mason 1st class	Day	0.92	425.00	391.00
	Mason 2nd class	Day	0.92	325.00	299.00
	Mixer	Day	0.64	440.00	281.60
	Vibrator	Day	0.64	220.00	140.80
	Sundries	L.S.	131.82	1.00	131.82
	Scaffolding	L.S.	420.03	1.00	420.03
	Extra labour for lifting of material upto floor V level : Coolie (0.75x9.18x2.5)	Day	17.2	250.00	4300.00
	TOTAL				40567.88
	Add 1% for water charges			1.00%	405.68
	TOTAL				40973.55
	Add 10% for contractor's profit and overheads			10.00%	4097.36
	Cost for 9.18 cum.				45070.91
	Cost for 1 cum.				4909.69
	Say				4910.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
12	Centering and shuttering with plywood or steel sheets including strutting, propping, bracing both ways with wooden members and removal of formwork for superstructure up to 4.5 mtr above plinth, for:				
(A)	Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands , coping, bed plates, anchor blocks, sills, chhajjas lintel, beam etc.				
	Detail of cost for 10 sqm				
	MATERIALS				
	Red oxide Zinc chromate yellow primer	litre	0.54	64.00	34.56
	Carriage	L.S.	0.52	1.00	0.52
	LABOUR				
	Painter	Day	0.24	400.00	96.00
	Coolie	Day	0.24	250.00	60.00
	Brushes,sand paper including sundries	L.S.	10.79	1.00	10.79
	TOTAL				201.87
	Add 1% for water charges			1.00%	2.02
	TOTAL				203.89
	Add 10% for contractor's profit and overheads			10.00%	20.39
	Cost of 10.00 sqm				224.28
	Cost of 1.00 sqm				22.43
	Say				22.00
	Details of cost for one qunital				
	Materials				
	Steel = 1.00q				
	Add wastage @ 5% = 0.05q				
	= 1.05q				
	Steel	quintal	1.05	4525.00	4751.25
	Carriage	tonne	0.105	0.00	0.00
	Labour:				
	Fitter (Grade I)	Day	0.5	425.00	212.50
	Blacksmith 2nd class	Day	0.75	325.00	243.75
	Beldar	Day	1	275.00	275.00
	Priming Coat-(Rate vide item no. 12.47.3 finishing)	sqm	3	22.00	66.00
	Sundries	L.S.	7.95	1.00	7.95
	TOTAL				5556.45
	Add 1% for water charges on all except 'A'			1.00%	54.90
	TOTAL				5611.35
	Add 10% for contractor's profit and overheads on all except 'A'			10.00%	554.54
	Cost of 1qunital				6165.89
	Cost of 1 Kg.				61.66
	Say				62.00

A Suspended floors, roofs, landings

Detail of cost for a room

4.50x3 = 13.50 sqm, height 3.5 m

Materials :

Assuming shuttering material will become unserviceable after use of 40 times

Adding for maintenance @ 10% of cost

Taking salvage value after full use of material @ 25% of cost

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	1. Plates (size 0.75 x 0.60) Angle 40x40x5mm 2x0.75 = 1.50 m 2x0.60 = 1.20 m = 2.70 m @ 3.00 kg/m = 8.1 kg sheet 1.6 mm thick 0.75x0.60 = 0.45 sqm 0.45 sqm @ 12.55kg/sqm = 5.65kg Weight of one plate = 13.75kg Add for wastage @ 5% = 0.69 kg Total = 14.44kg Total weight of all plates = 5x6x14.44 = 433.2 kg. Qty taken for cost using once = 433.2x0.85/40 = 9.2055				
	Rate as per item no.9.1 S.H. steel work	kg	9.2055	62.00	570.74
	2. Adjustable span- ESOSI (2.35-3.40m)	each	0.1063	1540.00	163.70
	Qty taken for cost using once = 5x0.85/40 = 0.1063				
	3. Adjustable telescopi prop 3m(2.02-3.75m)	each	0.1275	880.00	112.20
	Qty taken for cost using once = 6x0.85/40 = 0.1275				
	4. Assembly nut & bolts etc.	L.S.	22.1	1.00	22.10
	Qty taken for cost using once = 1040x0.85/40 = 22.10				
	Carriage	L.S.	130	1.00	130.00
	Labour:				
	Fitter grade-I	Day	3	425.00	1275.00
	Beldar	Day	6	275.00	1650.00
	Shuttering oil	L.S.	78	1.00	78.00
	Sundries, paper tap etc.	L.S.	49.7	1.00	49.70
	TOTAL				4051.44
	Add 1% for water charges on all except (A)			1.00%	34.81
	TOTAL				4086.25
	Add 10% for contractor's profit and overheads on all except (A)			10.00%	351.55
	Cost for 13.50 sqm.				4437.80
	Cost per sqm.				321.58
	Say				322.00

B Lintels, beams, plinth beams, girders, bressumers and

Consider a beam of 6 m clear span, 0.50 m deep 0.30 m wide and height 3.5 m from floor

Cubical contents

$$6.60 \times 0.5 \times 0.3 = 0.99 \text{ cum}$$

Area in contact with concrete

$$1 \times 1.30 \times 6.00 = 7.80 \text{ sqm}$$

Materials :

Assuming shuttering will become unserviceable after use of 40 times

Add maintenance charges @ 10% of cost of material

Less salvage value of material after full use @ 25% of cost of material

1. Steel plates for side and bottom (plate size 1.20 x 0.50m)

Angle 40x40x5mm

$$2 \times 1.20 = 2.40 \text{ m}$$

$$3 \times 0.50 = 1.50 \text{ m}$$

$$3.90 \text{ m @ } 3.00 \text{ kg/m} = 11.70 \text{ kg}$$

**RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL
WORKSHOP AT JODHPUR**

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
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sheet 1.6 mm thick

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	1.20m x 0.50 m = 0.60 sqm. 0.60 sqm @ 12.55 kg/sqm. = 7.53 kg. Weight of one plate = 19.23 kg. Add for wastage @ 5% = 0.96 kg. Total = 20.19 kg. Total weight of all plates 3x5x20.19 = 302.85 kg or 3.03 q Qty taken for cost of using once = $302.85 \times 0.85 / 40 = 6.4356$ kg.				
	Rate as per item no.9.1 S.H. steel work	kg	6.4356	62.00	399.01
	(ii) Props 3m (adjustable telescopic 2.02 - 3.75m)	each	0.1275	880.00	112.20
	Qty taken for cost of using once = $6 \times 0.85 / 40 = 0.1275$ m				
	(iii) Beam clamp 300-380 mm(450-1070mm)	each set	0.1063	357.50	38.00
	Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$ m				
	(iv) Assembly nut & bolts etc.	L.S.	22.1	1.00	22.10
	Qty taken for cost of using once = $1040 \times 0.85 / 40 = 22.10$				
	Carriage	L.S.	78	1.00	78.00
	Labour:				
	Fitter Grade-I	Day	1.25	425.00	531.25
	Beldar	Day	2.5	275.00	687.50
	Shuttering oil	L.S.	39	1.00	39.00
	Sundries, paper tape etc.	L.S.	24.39	1.00	24.39
	TOTAL				1931.45
	Add 1% for water charges on all except (A)			1.00%	15.32
	TOTAL				1946.77
	Add 10% for contractor's profit and overheads on all except (A)			10.00%	154.78
	Cost for 7.80 sqm.				2101.55
	Cost per sqm.				291.88
	Say				292.00
	Average of A+B				307.00
	Say				307.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
(B)	Columns, pillars, posts and struts etc.				
	Detail of cost for				
	Size of column 450x450mm and 2.5m high				
	Area of contact = $4 \times 0.45 \times 2.5 = 4.5$ sqm.				
	Materials :				
	Assuming shuttering will become unserviceable after use of 40 times				
	Add maintenance charges @ 10% of cost of material				
	Less salvage value of material after full use @ 25% of cost of material				
	Wall form panel (1250x450)	each	0.17	605.00	102.85
	Qty taken for cost of using once = $8 \times 0.85 / 40 = 0.17$				
	Corner angle 2.5m long	each	0.085	275.00	23.38
	Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$				
	Column clamp (450-1070mm)	each	0.1063	990.00	105.24
	Qty taken for cost of using once = $5 \times 0.85 / 40 = 0.1063$				
	Prop. 2m (2.0-3.5m)	each	0.085	660.00	56.10
	Qty taken for cost of using once = $4 \times 0.85 / 40 = 0.085$				
	Assembly nut & bolt	L.S.	27.62	1.00	27.62
	Qty taken for cost of using once = $1300 \times 0.85 / 40 = 27.62$				
	Carriage	L.S.	52	1.00	52.00
	Labour				
	Fitter Grade-I	Day	1	425.00	425.00
	Beldar	Day	2	275.00	550.00
	Shuttering oil	L.S.	39	1.00	39.00
	Carriage	L.S.	26	1.00	26.00
	TOTAL				1407.18
	Add 1% for water charges			1.00%	14.07
	TOTAL				1421.25
	Add 10% for contractor's profit and overheads			10.00%	142.13
	Cost for 4.5 sqm.				1563.38
	Cost per sqm.				347.42
	Say				347.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
13	Brick masonry in suprestructure with bricks of class designation 75 mm in : Cement Mortar 1:6 (1-Cement:6-coarse sand). Details of cost for 1 cum MATERIALS (0.178 cum. of cement = 0.25 tonne)				
	Cement	tonne	0.25	5000.00	1250.00
	Carriage of Cement	tonne	0.25	0.00	0.00
	Coarse sand	cum	1.07	1050.00	1123.50
	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR For measuring, carrying, depositing and mixing-				
	Beldar	Day	0.75	275.00	206.25
	Bhisti	Day	0.07	300.00	21.00
	Hire and running charges of mechanical mixer	L.S.	26.91	1.00	26.91
	Sundries	L.S.	13.52	1.00	13.52
	Cost of 1.00 cum				2641.18
	Say				2641.00
	Details of cost for 1 cum. MATERIALS :				
	Bricks of class designation 75	100 Nos	494	3500.00	1729.00
	Cement mortar 1 : 6 (1 cement : 6 coarse sand) (Rate as per item No 2.5)	cum	0.25	2641.00	660.25
	Carriage of Bricks	100 Nos	494	0.00	0.00
	Sundries	L.S.	2.73	1.00	2.73
	LABOUR :				
	Mason 1st Class	Day	0.47	425.00	199.75
	Mason IInd Class	Day	0.47	325.00	152.75
	Coolie	Day	1.8	250.00	450.00
	Bhishti	Day	0.2	300.00	60.00
	Scaffolding	L.S.	22.36	1.00	22.36
	Extra labour element required for lifting of materials (above floor two level upto floor five level)				
	Coolie	Day	1.13	250.00	282.50
	TOTAL				3559.34
	Add 1% for water charges			1.00%	35.59
	TOTAL				3594.93
	Add 10% for contractor's profit and overheads			10.00%	359.49
	Cost of 1 Cum.				3954.43
	Say				3954.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
14	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete above plinth level up to 4.5Mtr. height. Hot finished seamless type tubes				
	Detail of cost for 10 sqm				
	MATERIALS				
	Red oxide Zinc chromate yellow primer	litre	0.54	64.00	34.56
	Carriage	L.S.	0.52	1.00	0.52
	LABOUR				
	Painter	Day	0.24	400.00	96.00
	Coolie	Day	0.24	250.00	60.00
	Brushes,sand paper including sundries	L.S.	10.79	1.00	10.79
	TOTAL				201.87
	Add 1% for water charges			1.00%	2.02
	TOTAL				203.89
	Add 10% for contractor's profit and overheads			10.00%	20.39
	Cost of 10.00 sqm				224.28
	Cost of 1.00 sqm				22.43
	Say				22.00
	Details of cost for a truss of span 8 metre weight = 119 kg.				
	Materials-				
	50mm dia. tube				
	Tie beam-1x8.0m = 8.00m+				
	Principal rafter 2x4.30m = 8.60m				
	= 16.60m				
	16.60m @ 5.10kg./m = 84.66kg.				
	40mm dia. tube				
	Members = 2(0.45+1.25+0.90+2.15)				
	= 2x4.75=9.50m				
	9.50m @ 3.61kg/m = 34.60Kg.				
	Total = 118.96kg.				
	Add wastage @ 5% = 5.94Kg.				
	= 124.90Kg.				
	50mm dia. Tube	kilogram	125	48.00	6000.00
	Carriage of tubes	tonne	0.125	0.00	0.00
	Priming coat				
	50mm dia. tube 16.60x0.157m = 1.61sqm.				
	40mm dia. tube 9.50x0.125m = 1.91 sqm.				
	= 2.80 sqm.				
	(Rate as per item 12.47.3 S.H. finishing)	sqm	2.8	22.00	61.60
	Welding charges:-				
	Rafter:- 4x22/7x6.03 = 75.80cm.+				
	Ties:- 2x22/7x6.03=37.90cm.+				
	Members:- 2x4x2x22/7x4.83=242.87cm				
	= 356.57cm say 357cm				
	Joints of Rafter, Ties, Members	cm	357	1.10	392.70
	Labour-				
	For cutting, assembling & erection				
	Blacksmith Ist class	Day	1.5	425.00	637.50
	Bandhani	Day	0.75	250.00	187.50
	Beldar	Day	5.5	275.00	1512.50

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Sundries	L.S.	31.05	1.00	31.05
	TOTAL				8822.85
	Add for water charges @ 1% on all except 'A'			1.00%	87.61
	TOTAL				8910.46
	Add for contractor's profit and overheads @ 10% on all except 'A'			10.00%	884.89
	Cost for 119 Kg.				9795.35
	Cost for 1 Kg.				82.31
	Say				82.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
15	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10 Cm. long embedded in cement concrete blocks 15x10x10 Cm. of 1:3:6 (1-Cement:3-coarse sand:6-graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.				
	Details of cost for 1 cum.				
	Materials :				
	Stone aggregate 20mm	cum	0.7	600.00	420.00
	Stone aggregate 10mm	cum	0.24	600.00	144.00
	Carriage of aggregate	cum	0.94	0.00	0.00
	Coarse sand	cum	0.47	1050.00	493.50
	Carriage of coarse sand	cum	0.47	0.00	0.00
	Cement (0.15674 cum)	tonne	0.22	5000.00	1100.00
	Carriage of cement	tonne	0.22	0.00	0.00
	Labour:				
	Mason	Day	0.1	450.00	45.00
	Beldar	Day	1.63	275.00	448.25
	Bhishti	Day	0.7	300.00	210.00
	Mixer	Day	0.07	440.00	30.80
	Vibrator	Day	0.07	220.00	15.40
	Sundries	L.S.	13.52	1.00	13.52
	TOTAL				2920.47
	Add 1% for water charges			1.00%	29.20
	TOTAL				2949.67
	Add 10% for contractor's profit and overheads			10.00%	294.97
	Cost of 1 cum.				3244.64
	Say				3245.00
	Details of cost for 17.5Kg.				
	Materials				
	Tee iron 40x40x6mm = 2m+2m+1m = 5 metres				
	5 metres @ 3.5Kg/m = 17.5kg.+				
	Add wastage @ 5% = 0.87Kg.				
	= 18.37 kg. Say 0.18 quintal				
	Tee iron	quintal	0.18	4525.00	814.50
	M.S. bars 10mm = 1x1m = 1 metre				
	1 metre @ 0.60kg/m = 0.60Kg.+				
	Add wastage @ 5% = 0.03Kg.				
	= 0.63 Kg. Say = 0.006 quintal				
	M.S. bars	quintal	0.006	4325.00	25.95
	M.S. flat 15x3mm = 6x10cm = 0.60 metre				
	0.6 metre @ 0.35kg/m = 0.21Kg+				
	Add wastage @ 5% = 0.01 Kg.				
	= 0.22 kg.				
	M.S. flat	quintal	0.002	4225.00	8.45
	Cement concrete block 1:3:6- 6x15x10x10cm= 0.009 cum				
	(Rate as per item no.3.1.4 of SH:3)	cum	0.009	3245.00	29.21
	Butt hinges-100x58x1.90mm	10Nos	6	59.00	35.40
	For screws and nuts and bolts	L.S.	13.8	1.00	13.80

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	For applying steel primer	L.S.	6.9	1.00	6.90
	Carriage of material	L.S.	2.05	1.00	2.05
	Labour-				
	Blacksmith 2nd class	Day	0.1	325.00	32.50
	Fitter (Grade I)	Day	0.15	425.00	63.75
	Beldar	Day	0.2	275.00	55.00
	Sundries	L.S.	3.45	1.00	3.45
	TOTAL				1090.96
	Add for water charges @ 1% on all except 'A'			1.00%	10.62
	TOTAL				1101.57
	Add for contractor's profit and overheads @ 10% on all except 'A'			10.00%	107.24
	Cost for 17.5Kg.				1208.81
	Cost for 1 Kg.				69.07
	Say				69.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
16	Providing and fixing 1 mm thick M.S. sheet sliding shutters with frame & diagonals braces of 40x40x6 mm. angle iron 3 mm M.S. gusset plates at the junction and corners, 25 mm dia pulley 40x40x6mm angle and T-iron guide at the top and bottom respectively including applying a priming coat of approved steel primer. IS:10451-1983 Detail of cost for 10 sqm MATERIALS Red oxide Zinc chromate yellow primer Carriage LABOUR Painter Coolie Brushes,sand paper including sundries TOTAL Add 1% for water charges TOTAL Add 10% for contractor's profit and overheads Cost of 10.00 sqm Cost of 1.00 sqm Say				
		litre	0.54	64.00	34.56
		L.S.	0.52	1.00	0.52
		Day	0.24	400.00	96.00
		Day	0.24	250.00	60.00
		L.S.	10.79	1.00	10.79
					201.87
				1.00%	2.02
					203.89
				10.00%	20.39
					224.28
					22.43
					22.00
	Details of cost for one double leaf door size 2.4x2.4m = 5.76sqm. Materials- (i) M.S. sheet 1mm thick 5.76sqm. @ 7.85kg/sqm. = 45.216kg.+ Add wastage @ 10% = 4.522kg. = 49.738kg = 0.497 q M.S. Sheet 2x5.76 = 11.52+ (ii) Gusset plates 3.00mm thick Area of one gusset plates 0.3x0.04 = 0.0120+ 1/2x0.26(0.04+0.3) = 0.0442 = 0.0562sqm.+ 8x0.0562 = 0.4496sqm.+ 2x22/7x1/4x0.3x0.3=0.1414sqm. = 0.5910sqm. 0.5910sqm.@23.55kg/sqm.=13.92kg.+ Add wastage @ 10% = 1.39kg = 15.31kg. or 0.153q Gusset plates (iii) Angle iron 40x40x6mm @ 3.5kg/m Sides-4x2.4=9.6m+ Bottom & top 4x1.2 = 4.8m+ Diagonals-2x2.5=5.0m+ 2x2.45 = 4.9m+ Top and bottom guides 2x4.8 = 9.6m Top guide supports 7x0.8 = 2.1m = 36.0m 36m @3.5kg. per m. = 126kg.+	quintal	0.497	4625.00	2298.63
		quintal	0.153	4525.00	692.33

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Add wastage @ 10% = 12.6kg. = 138.6kg. or 1.39q				
	Angle iron	quintal	1.39	4525.00	6289.75
	Channel 25x25x6mm @ 3.05kg/m				
	Bottom-2.4m : 2.4x3.05				
	Channel 40x40x6mm @ 5.56kg/m				
	0.5x5.56 = 2.78kg. = 10.1kg.+				
	Add wastage @ 10% = 1.101kg. = 11.11kg. or 0.11q				
	Channel	quintal	0.11	4525.00	497.75
	Carriage-(0.0497+0.015+0.139+0.11=0.2157 tonne)	tonne	0.216	0.00	0.00
	(iv) Pully guide blocks including drilling holes	L.S.	269.1	1.00	269.10
	(v) 25mm dia. Pully	each	8	20.00	160.00
	(vi) Handles and locking arrangements	L.S.	167.75	1.00	167.75
	(vii) Bolts and rivets	L.S.	269.1	1.00	269.10
	(viii) Cement concrete	L.S.	13.52	1.00	13.52
	Priming coat-				
	M.S. Sheet 2x5.76 = 11.52+				
	Angle iron 0.16x36 = 5.76+				
	Channel-0.15x2.4=0.36+				
	0.24x0.5=0.12 = 17.76 Say 18.0sqm.				
	Rate as per item no 12.47.3 of SH : Finishing	sqm	18	22.00	396.00
	Labour-				
	Fitter (Grade I)	Day	2	425.00	850.00
	Blacksmith 1st class	Day	3	425.00	1275.00
	Blacksmith 2nd class	Day	4	325.00	1300.00
	Beldar	Day	4	275.00	1100.00
	Mason 1st class	Day	0.06	425.00	25.50
	Mason 2nd class	Day	0.06	325.00	19.50
	Sundries	L.S.	161.46	1.00	161.46
	TOTAL				15785.38
	Add 1% for water charges on all except (A)			1.00%	153.89
	TOTAL				15939.27
	Add 10% for contractor's profit and overheads on all except (A)			10.00%	1554.33
	Cost of 5.76 sqm.				17493.60
	Cost per sqm.				3037.08
	Say				3037.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
17	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete above plinth level up to 4.5Mtr. height. Hot finished seamless type tubes				
	Detail of cost for 10 sqm				
	MATERIALS				
	Red oxide Zinc chromate yellow primer	litre	0.54	64.00	34.56
	Carriage	L.S.	0.52	1.00	0.52
	LABOUR				
	Painter	Day	0.24	400.00	96.00
	Coolie	Day	0.24	250.00	60.00
	Brushes,sand paper including sundries	L.S.	10.79	1.00	10.79
	TOTAL				201.87
	Add 1% for water charges			1.00%	2.02
	TOTAL				203.89
	Add 10% for contractor's profit and overheads			10.00%	20.39
	Cost of 10.00 sqm				224.28
	Cost of 1.00 sqm				22.43
	Say				22.00
	Details of cost for a truss of span 8 metre weight = 119 kg.				
	Materials-				
	50mm dia. tube				
	Tie beam-1x8.0m = 8.00m+				
	Principal rafter 2x4.30m = 8.60m				
	= 16.60m				
	16.60m @ 5.10kg./m = 84.66kg.				
	40mm dia. tube				
	Members = 2(0.45+1.25+0.90+2.15)				
	= 2x4.75=9.50m				
	9.50m @ 3.61kg/m = 34.60Kg.				
	Total = 118.96kg.				
	Add wastage @ 5% = 5.94Kg.				
	= 124.90Kg.				
	50mm dia. Tube	kilogram	125	48.00	6000.00
	Carriage of tubes	tonne	0.125	0.00	0.00
	Priming coat				
	50mm dia. tube 16.60x0.157m = 1.61sqm.				
	40mm dia. tube 9.50x0.125m = 1.91 sqm.				
	= 2.80 sqm.				
	(Rate as per item 12.47.3 S.H. finishing)	sqm	2.8	22.00	61.60
	Welding charges:-				
	Rafter:- 4x22/7x6.03 = 75.80cm.+				
	Ties:- 2x22/7x6.03=37.90cm.+				
	Members:- 2x4x2x22/7x4.83=242.87cm				
	= 356.57cm say 357cm				
	Joints of Rafter, Ties, Members	cm	357	1.10	392.70
	Labour-				
	For cutting, assembling & erection				
	Blacksmith Ist class	Day	1.5	425.00	637.50
	Bandhani	Day	0.75	250.00	187.50
	Beldar	Day	5.5	275.00	1512.50

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Sundries	L.S.	31.05	1.00	31.05
	TOTAL				8822.85
	Add for water charges @ 1% on all except 'A'			1.00%	87.61
	TOTAL				8910.46
	Add for contractor's profit and overheads @ 10% on all except 'A'			10.00%	884.89
	Cost for 119 Kg.				9795.35
	Cost for 1 Kg.				82.31
	Say				82.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
18	Providing corrugated G.I. Sheet roofing fixed with G.I. J or L hooks bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coat of approved paint on over lapping of sheet complete (upto a pitch of 600) & excluding the cost of purlins rafters and truses, for class of sheet : 0.80 mm thick Considering a roof with each sloping side .x5.10m and slop being flatter than 1 vertical to 2.5 horizontal Details of cost for area of roof. 2x18.09x5.1 = 184.518 sqm. Details of length and breadth. Length 26(laps)x0.135(each lap)=3.51 Width of Corrugator sheet with 10 corrugation measured end to end = 0.8 metres 27 (nos. of sheets)x0.80 (width of sheet = 21.60 length Less laps = 3.51 Length = 18.09 Breadth on one side- C.G.S. Sheet 1 No. of = 2.5 metres length+ C.G.S. Sheet 1 No. of = 2.8 metres length = 5.3 metres Deduct end lap of 20cm (-)0.2 metres breadth = 5.1m Materials: C.G.I.Sheets 0.8mm thick 2x27=54nos. @15.82Kg.each = 854.38Kg(X) 2.5mx0.9m is the size of plain G.I.sheet which on being corrugated will become 2.5mx0.8m (The size of plain sheet is taken because the weight is available only of plain sheets) (Refer I.S. Code 277-1962) 2x27=54nos. of size. 2.8x0.9@17.72Kg each' = 956.8Kg (Y) Total of (X)+(Y) = 1811.16Kg. Add wastage @5% = 90.56Kg. = 1901.72Kg (a) Sheets quintal 19.02 4015.00 76365.30 (b) Carriage of sheet tonne 1.902 0.00 0.00 (c) G.I. scam bolts and nuts 60cm centre to centre zig zag i.e. 30cm. centre to centre straight Breadth is 5.1metre No. of bolts in one lap 5.1/0.3 =17 nos. 2x26(laps)x17 nos. = 884 nos. Bolts and nuts 10 Nos 884 10.00 884.00 (d) G.I., j or L hooks 8mm dia. (No. of purlins to be used 5 on either side)2x5x27 (No. of sheets)x23 nos. of bolts in each sheet = 810 nos.				

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	G.I. J or L hooks	10 Nos	810	64.00	5184.00
	(e) Limpet washers (total of seam and J bolts) $884+810 = 1694$	100 Nos	1694	22.00	372.68
	(f) Bitumen washers	100 Nos	1694	20.00	338.80
	(g) Carriage of bolts and washers	L.S.	26.91	1.00	26.91
	Sundries	L.S.	53.82	1.00	53.82
	Labour:				
	Mistry	Day	1.3	450.00	585.00
	Carpenter 2nd class	Day	15.5	350.00	5425.00
	Beldar	Day	15.5	275.00	4262.50
	Zink chromate yellow primer	litre	2.53	64.00	161.92
	Carriage of material	L.S.	0.52	1.00	0.52
	Painter	Day	1.13	400.00	452.00
	Coolie	Day	1.13	250.00	282.50
	Brushes, sand papers i/c sundries	L.S.	50.57	1.00	50.57
	Ready mixed paint on new work	litre	3.75	104.00	390.00
	Carriage of paint	L.S.	6.76	1.00	6.76
	Painter	Day	2.53	400.00	1012.00
	Coolie	Day	2.53	250.00	632.50
	Brushes and Sandpapers	L.S.	31.98	1.00	31.98
	Sundries	L.S.	38.09	1.00	38.09
	TOTAL				96556.85
	Add 1% for water charges			1.00%	965.57
	TOTAL				97522.42
	Add 10% for contractor's profit and overheads			10.00%	9752.24
	Cost of 184.518 Sqm.				107274.66
	Cost of 1 Sqm.				581.38
	Say				581.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
19	Providing and laying in position cement concrete including curing compaction etc. of specified grade excluding the cost of centering and shuttering in superstructure upto floor 3 level :1:1.5:3 (1Cement :1.5 Course Sand :3 Graded stone aggregate 20 mm nominal size Details of cost for 1 cum. Materials : 20mm stone aggregate 10mm stone aggregate Carriage of aggregate Coarse sand Carriage of coarse sand Cement (0.2833 cum) Carriage of cement Labour: Mason Beldar Bhishti Mixer Vibrator Sundries TOTAL Add 1% for water charges TOTAL Add 10% for contractor's profit and overheads Cost of 1 cum. Say				
	20mm stone aggregate	cum	0.57	600.00	342.00
	10mm stone aggregate	cum	0.28	600.00	168.00
	Carriage of aggregate	cum	0.85	0.00	0.00
	Coarse sand	cum	0.425	1050.00	446.25
	Carriage of coarse sand	cum	0.425	0.00	0.00
	Cement (0.2833 cum)	tonne	0.4	5000.00	2000.00
	Carriage of cement	tonne	0.4	0.00	0.00
	Labour:				
	Mason	Day	0.1	450.00	45.00
	Beldar	Day	1.63	275.00	448.25
	Bhishti	Day	0.7	300.00	210.00
	Mixer	Day	0.07	440.00	30.80
	Vibrator	Day	0.07	220.00	15.40
	Sundries	L.S.	14.3	1.00	14.30
	TOTAL				3720.00
	Add 1% for water charges			1.00%	37.20
	TOTAL				3757.20
	Add 10% for contractor's profit and overheads			10.00%	375.72
	Cost of 1 cum.				4132.92
	Say				4133.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
20	Polished Blue Kota Stone flooring skirting, laid over 20 mm thick base of C.M. 1:4 and jointed with grey cement slurry to match the shade of the slab including rubbing and polishing complete : For area of each slab up to 2001 to 5000 Sq. Cm : 30 mm thick slab				
	Details of cost for 1 cum				
	MATERIALS				
	(0.268 cum. of cement = 0.38 tonne)				
	Cement	tonne	0.38	5000.00	1900.00
	Carriage of Cement	tonne	0.38	0.00	0.00
	Coarse sand	cum	1.07	1050.00	1123.50
	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
	Beldar	Day	0.75	275.00	206.25
	Bhisti	Day	0.07	300.00	21.00
	Hire and running charges of mechanical mixer	L.S.	26.91	1.00	26.91
	Sundries	L.S.	13.52	1.00	13.52
	Cost of 1.00 cum				3291.18
	Say				3291.00
	Details of cost for 10sqm.				
	Materials-				
	25mm thick Kota stone slabs polished including 15% wastage	sqm	11.5	190.00	2185.00
	Carriage of slabs	tonne	0.67	0.00	0.00
	Cement mortar 1 : 4 (1 cement : 4 coarse sand) (Rate as per item No 2.3)	cum	0.224	3291.00	737.18
	Cement for slurry-(i) for bedding = 44kg+ (ii) for joints = 20 kg. Total = 64 kg. Or 0.064 tonne	tonne	0.064	5000.00	320.00
	Carriage of cement	tonne	0.064	0.00	0.00
	Dark shade pigment	kilogram	4.5	45.00	202.50
	Labour-				
	Mason 2nd class	Day	1.2	325.00	390.00
	Beldar	Day	1	275.00	275.00
	Coolie	Day	1	250.00	250.00
	Beldar for rubbing and polishing (Special Rate)	Day	5	350.00	1750.00
	Machine	Day	4	220.00	880.00
	Sundries	L.S.	208.13	1.00	208.13
	TOTAL				7197.81
	Add 1% for water charges			1.00%	71.98
	TOTAL				7269.79
	Add 10% for contractor's profit and overheads			10.00%	726.98
	Cost for 10sqm.				7996.77
	Cost for 1sqm.				799.68
	Say				800.00
	For area of each slab from 2001 to 5000 Sqcm				
	Rate as per item no. 11.18.1 kota stone basic item				800.00
	Extra for larger size of kota stone				50.00
	TOTAL				850.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
21	60 mm thick cement concrete flooring with Metallic concrete hardener topping, under layer of 42 mm thick cement concrete 1:2:4 (1-Cement:2-course sand:4-graded stone aggregate 20 mm nominal size) and top layer of 18 mm thick metallic concrete hardener consisting of mix 1:2 (1-Cement:2-stone aggregate, 6 mm nominal size) by volume & mixed with metallic hardening compound of approved quality @ 3Kg./Sqm. including cement slurry, rounding off edges etc. but excluding the cost of nosing of steps etc. complete.				
	Details of cost for 10 sqm.				
	Materials:-				
	20mm ballast	cum	0.267	600.00	160.20
	10mm ballast	cum	0.089	600.00	53.40
	Carriage of stone ballast	cum	0.356	0.00	0.00
	Coarse sand	cum	0.178	1050.00	186.90
	Carriage of coarse sand	cum	0.178	0.00	0.00
	Stone aggregate 6mm	cum	0.115	600.00	69.00
	Carriage of stone ballast aggregate 6mm	cum	0.115	0.00	0.00
	Cement	tonne	0.211	5000.00	1055.00
	Cement for slurry	tonne	0.02	5000.00	100.00
	Carriage of cement	tonne	0.231	0.00	0.00
	Hardening compound	litre	2.44	32.00	78.08
	Carriage of hard crete	L.S.	2.73	1.00	2.73
	Labour:-				
	Mason 2nd class	Day	2.15	325.00	698.75
	Beldar	Day	1.6	275.00	440.00
	Coolie	Day	1.88	250.00	470.00
	Bhisti	Day	0.27	300.00	81.00
	Sundries	L.S.	53.82	1.00	53.82
	TOTAL				3448.88
	Add 1% for water charges			1.00%	34.49
	TOTAL				3483.37
	Add 10% for contractor's profit and overheads			10.00%	348.34
	Cost of 10 sqm.				3831.71
	Cost of 1 sqm.				383.17
	Say				383.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

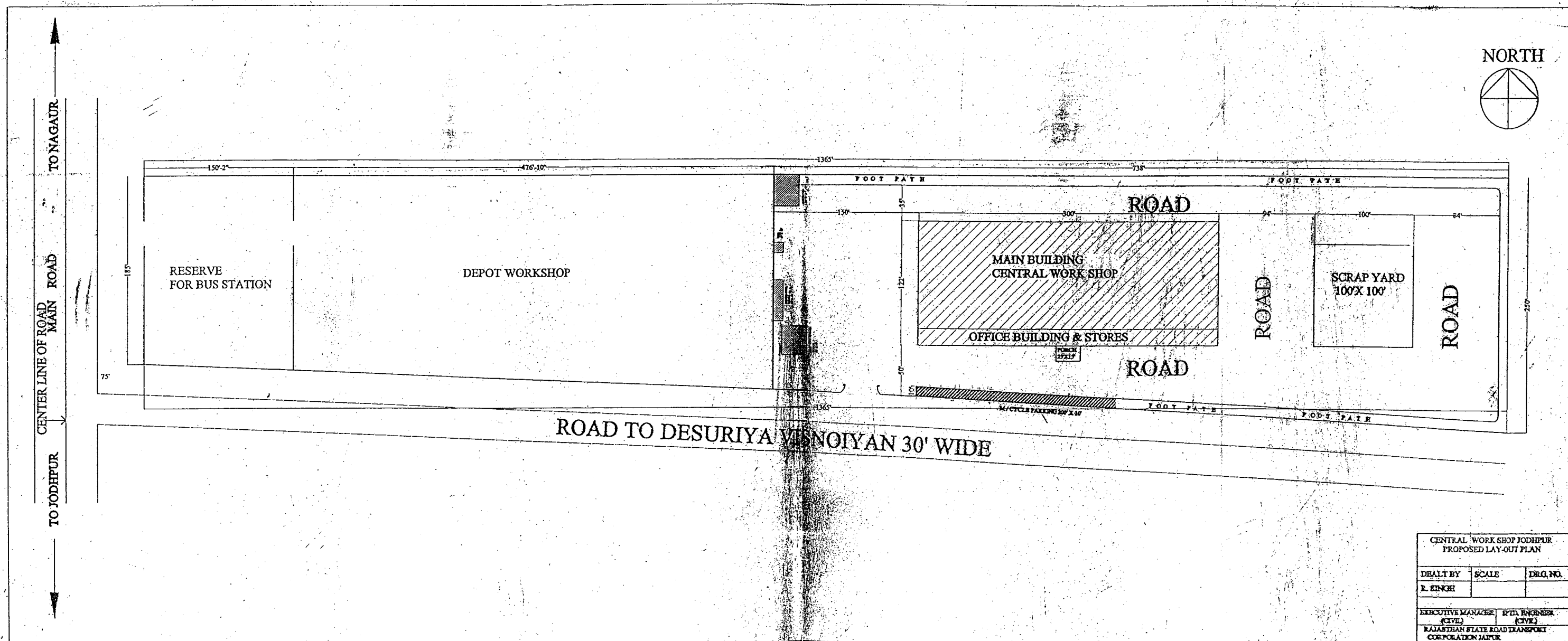
S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
22	Plaster on new surface on walls in cement sand mortar including racking of joint etc. complete fine finished: 25 mm thick in CM 1:6 Details of cost for 1 cum MATERIALS (0.178 cum. of cement = 0.25 tonne)				
	Cement	tonne	0.25	5000.00	1250.00
	Carriage of Cement	tonne	0.25	0.00	0.00
	Coarse sand	cum	1.07	1050.00	1123.50
	Carriage of Coarse sand	cum	1.07	0.00	0.00
	LABOUR				
	For measuring, carrying, depositing and mixing-				
	Beldar	Day	0.75	275.00	206.25
	Bhisti	Day	0.07	300.00	21.00
	Hire and running charges of mechanical mixer	L.S.	26.91	1.00	26.91
	Sundries	L.S.	13.52	1.00	13.52
	Cost of 1.00 cum				2641.18
					2641.00
	Detail of cost for 10 sqm				
	MATERIALS				
	Cement mortar 1 : 6 (1 cement : 6 fine sand) (Rate as per item No 2.5)	cum	0.28	2641.00	726.28
	LABOUR				
	Mason	Day	0.67	450.00	301.50
	Coolie	Day	0.75	250.00	187.50
	Bhisti	Day	0.92	300.00	276.00
	Scaffolding and sundries	L.S.	12.61	1.00	12.61
	TOTAL				1503.89
	Add 1% for water charges			1.00%	15.04
	TOTAL				1518.92
	Add 10% for contractor's profit and overheads			10.00%	151.89
	Cost of 10.00 sqm				1670.82
	Cost of 1.00 sqm				167.08
	Say				167.00

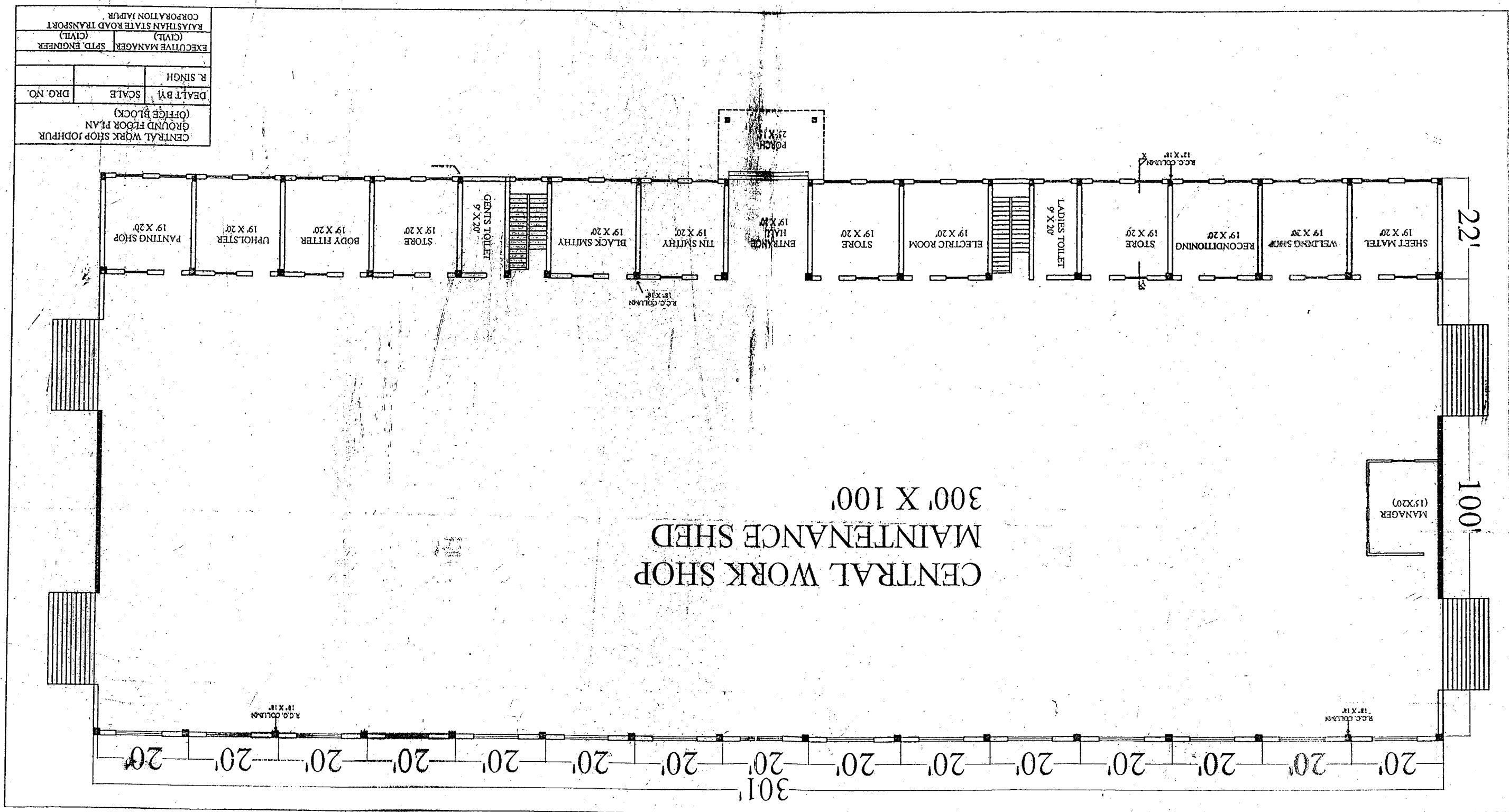
RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
23	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete above plinth level up to 4.5 Mtr. height in R.S. Joists flats, tees, angles and channels. Details of cost for a truss 7.6m clear span Materials- (i) Principal rafter (T-iron) 100x100x10mm @ 15kg/m = 142.50Kg+ Struts (angles)40x40x6mm 2x1.35=2.70m @ 3.5kg/m = 9.45kg =151.95kg+ Add wastage @ 5% = 7.60kg = 159.55kg. = 1.60q Principal rafter (T-iron) (ii) Ties (flats) 50x12mm 2x2.7 = 5.4m @4.7kg/m = 25.38kg+ Ties central (flats) 50x10mm 1x2.28 = 2.8m @3.90kg/m = 10.92kg.+ Braces (flats)40x10mm 2x1.84 = 3.68m @3.9kg/m = 14.35kg. = 50.65kg+ Add wastage @ 5% = 2.53kg. = 53.18kg. = 0.53q Ties (flats) 50x12mm (iii) Gusset plates 10mm thick 1x0.74x0.35m = 0.259sqm.+ shoe 4x0.46x0.46 = 0.845sqm. = 1.104 sqm. 1.104sqm.@ 78.4kg/m = 86.55kg. 12mm plates at the point of principal rafter and strut- 2x0.3x0.2 = 0.12sqm.+ Tie beam, brace and strut- 2x0.5x0.3 = 0.30sqm.+ Sole plates- 2x0.46x0.46 = 0.42sqm.+ Anchor plate- 2x0.46x0.1 = 0.09sqm. = 0.93 sqm. Say 1.00 sqm. 1.0sqm. @ 94.4kg/m = 94.40kg. = 180.95kg. Add wastage @ 5% = 9.05kg. = 190.00kg or 1.90q Gusset plates 10mm thick (iv) 20mm dia. holding down bolts 4 Nos.x460mm = 1840mm + Add wastage @ 5% = 92mm =1932 mm 20mm dia. Holding down bolts Carriage of steel Labour- Welding charges-Numbers to be welded =2x2+3x2+4x2+4x1=22	quintal	1.6	4525.00	7240.00
		quintal	0.53	4125.00	2186.25
		quintal	1.9	4525.00	8597.50
		quintal	0.0529	4180.00	221.12
		tonne	0.408	0.00	0.00

RATE ANALYSIS OF CONSTRUCTION OF REMAINING WORK CENTRAL WORKSHOP AT JODHPUR

S. No.	Particular	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Average length to be welded = $22 \times 2 \times 25 = 11$ metre = 1100cm	cm	1100	1.10	1210.00
	Cutting, assembling and erection charges				
	Blacksmith 1st class	Day	1.5	425.00	637.50
	Bandhani	Day	0.75	250.00	187.50
	Beldar	Day	5.5	275.00	1512.50
	Priming coat-same as item 10.3 (Rate as per item no. 13.81.3 of S.H. finishing	sqm	5.68	8.75	49.70
	Sundries	L.S.	31.05	1.00	31.05
	TOTAL				21873.12
	Add for water charges @ 1% on all except 'A'			1.00%	218.23
	TOTAL				22091.36
	Add for contractor's profit and overheads @ 10% on all except 'A'			10.00%	2204.17
	Cost for 3.89 quintal				24295.52
	Cost of per kg.				62.46
	Say				62.00

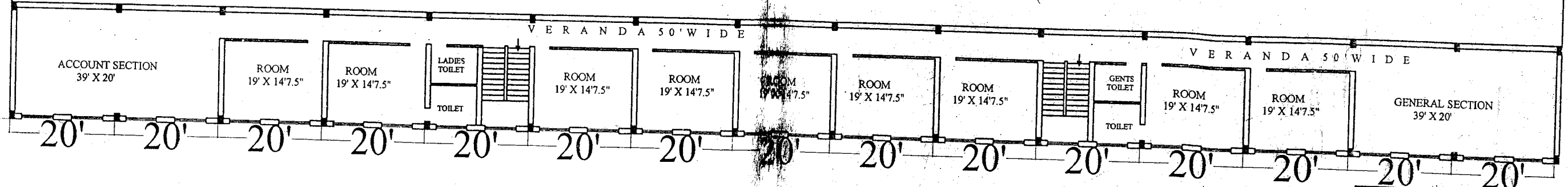




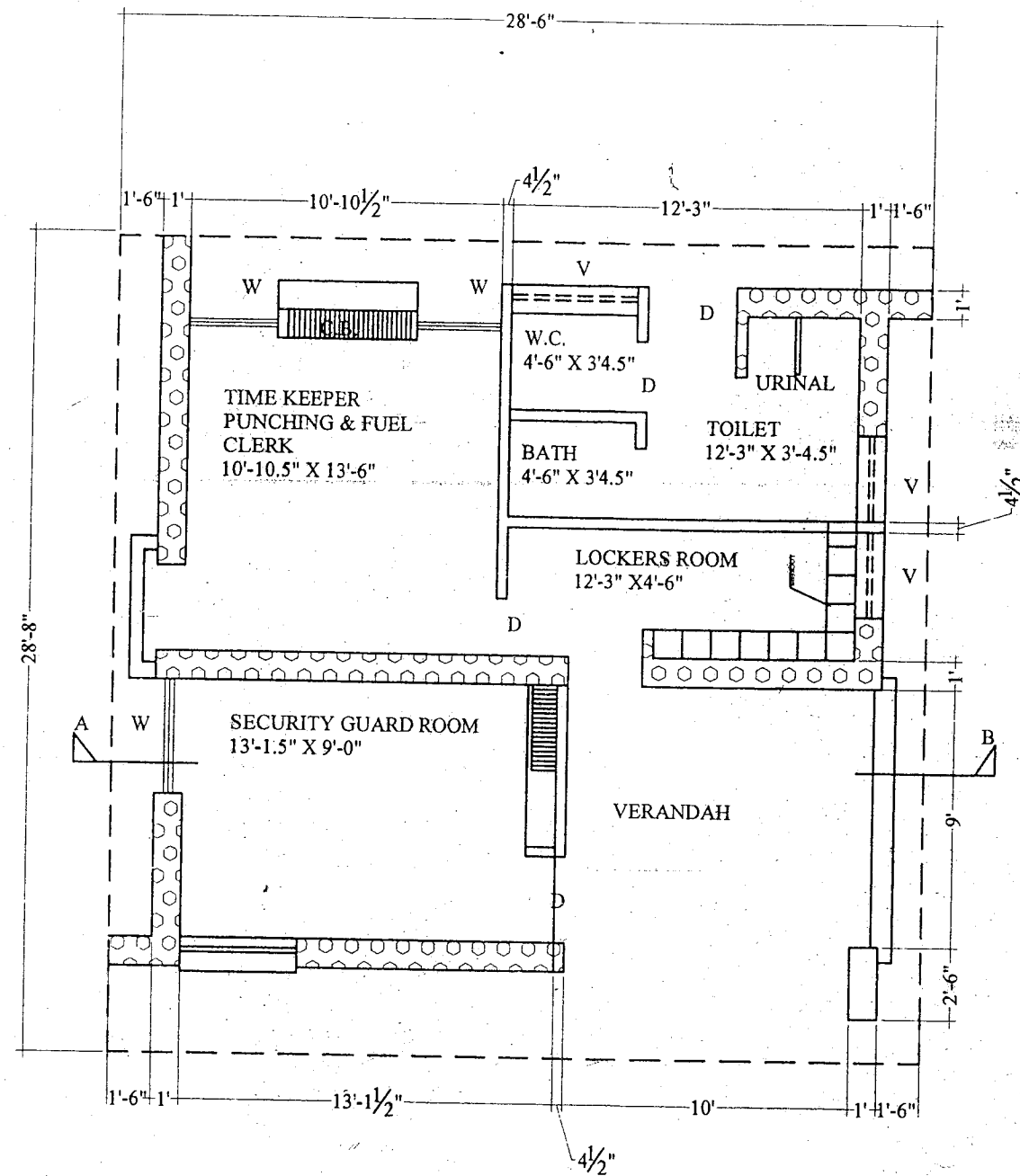
301'

122'

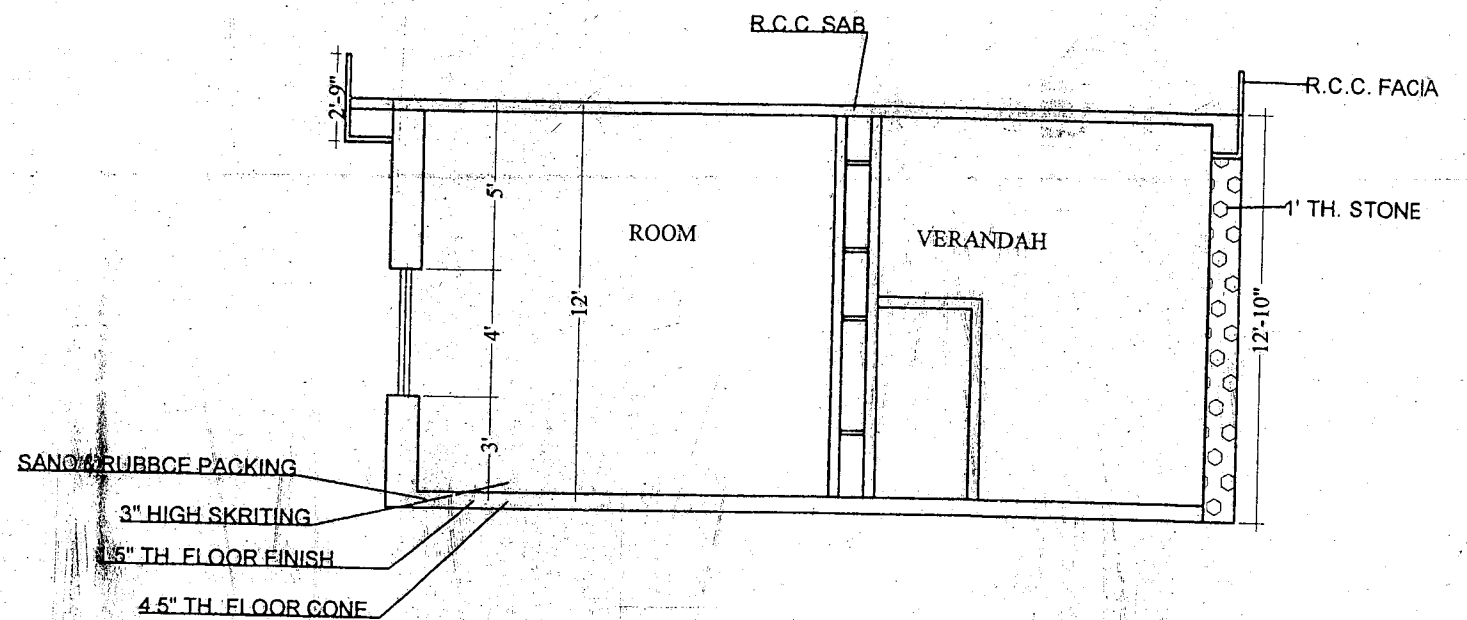
CENTRAL WORK SHOP MAINTENANCE SHED



CENTRAL WORK SHOP JODHPUR FIRST FLOOR PLAN (OFFICE BLOCK)		
DEALT BY	SCALE	DRG. NO.
R. SINGH		
EXECUTIVE MANAGER (CIVIL)	SPTD. ENGINEER (CIVIL)	
RAJASTHAN STATE ROAD TRANSPORT CORPORATION JAIPUR		

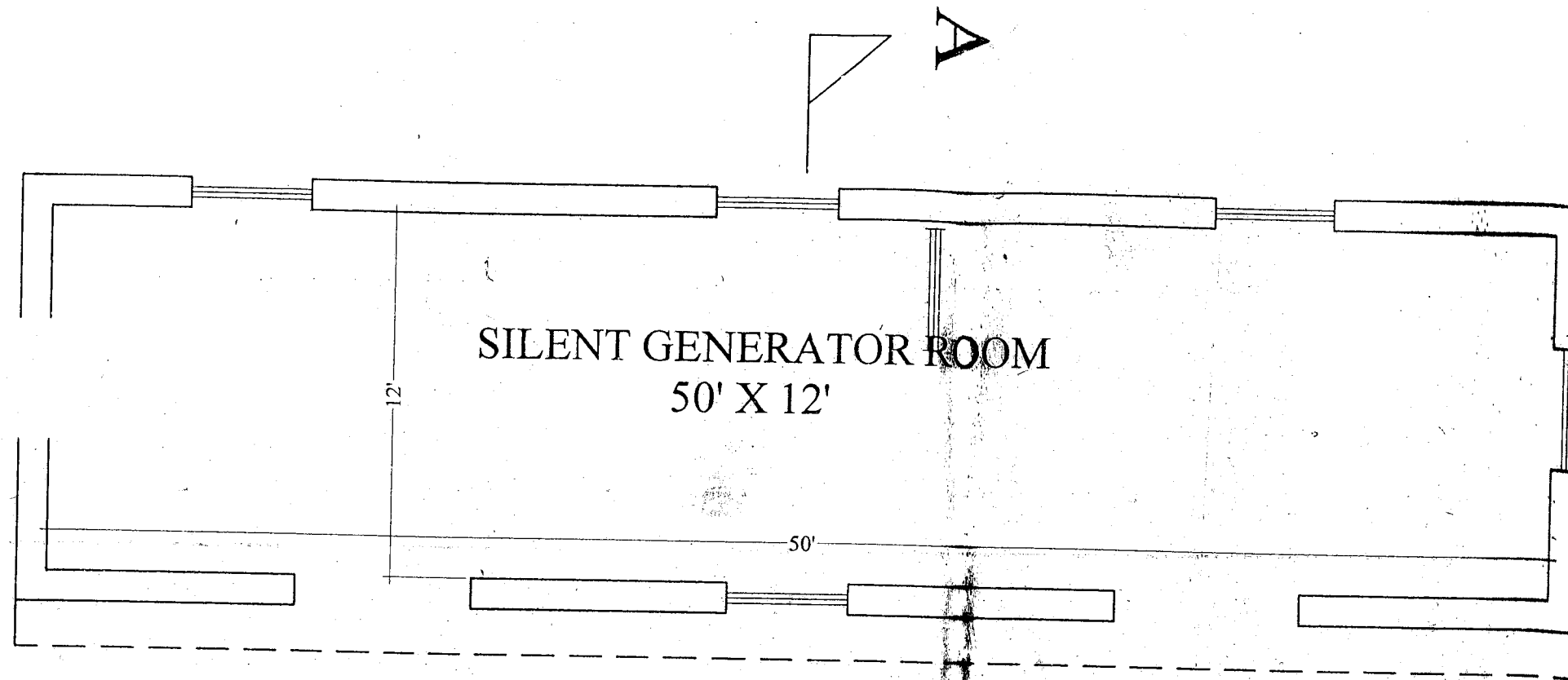


PLAN

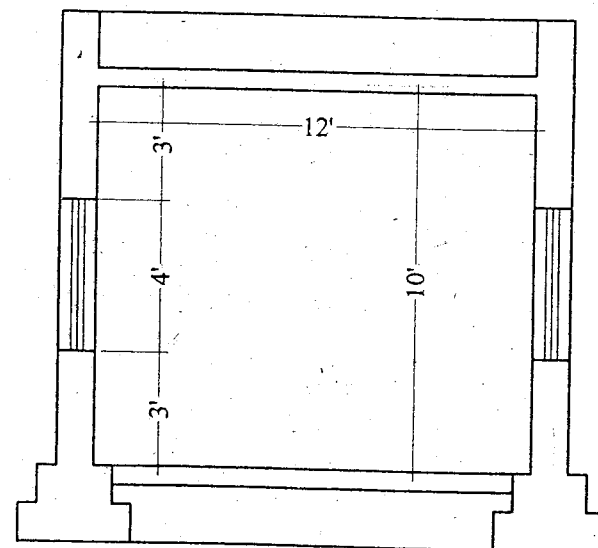


SECTION A-B

TYPE DESIGN SECURITY GUARD BLOCK FOR WORKSHOP		
DEALT BY	SCALE	DRG. NO.
R. SINGH		
EXECUTIVE MANAGER (CIVIL)	SUPT. ENGINEER (CIVIL)	
RAJASTHAN STATE ROAD TRANSPORT CORPORATION JAIPUR		

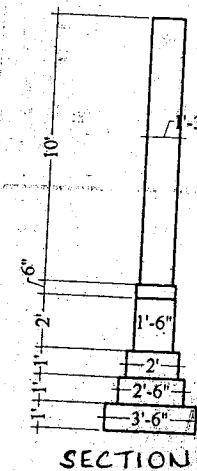
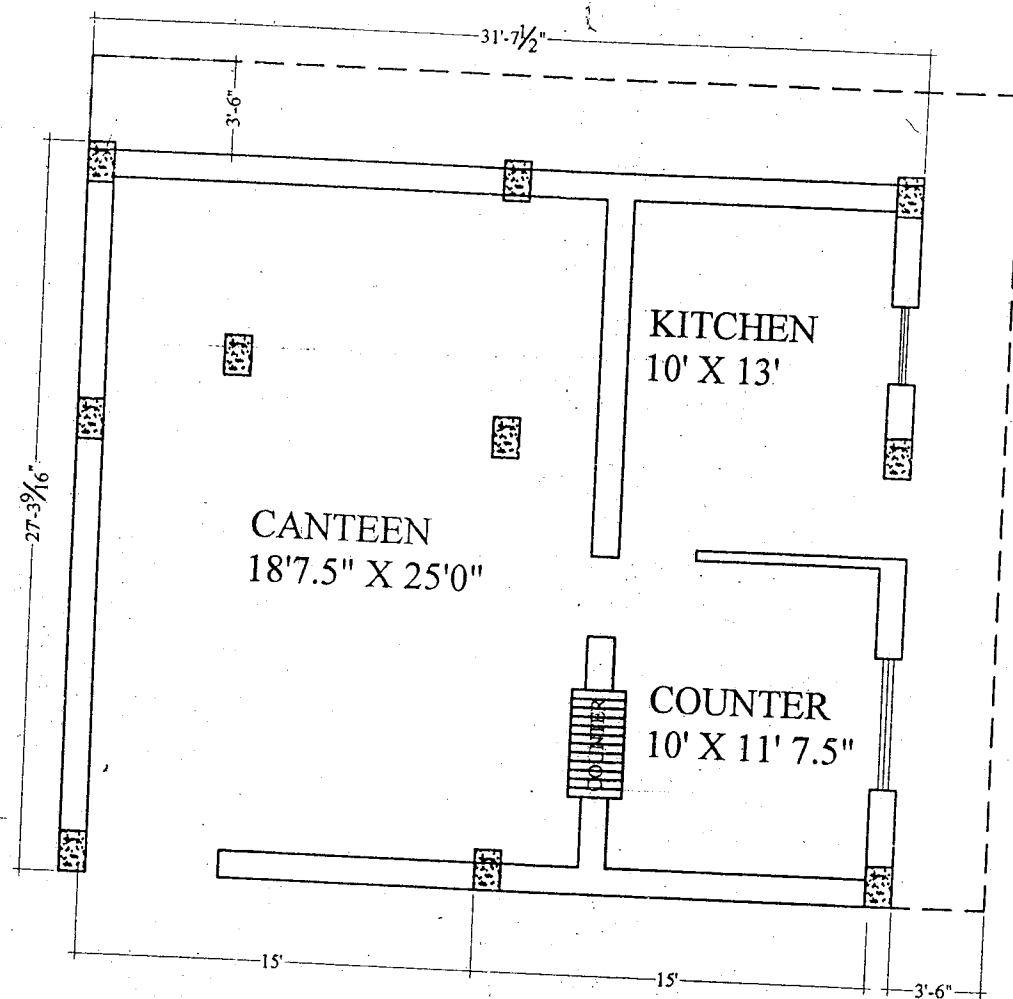


PLAN



SECTION A-B

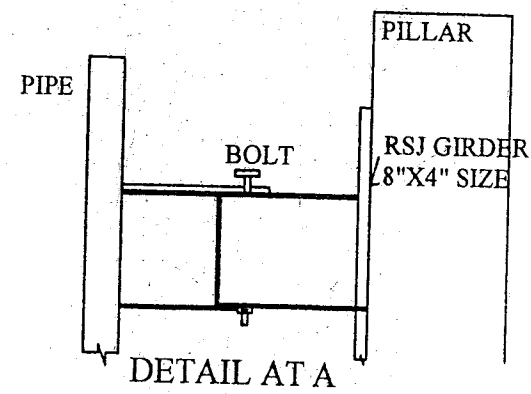
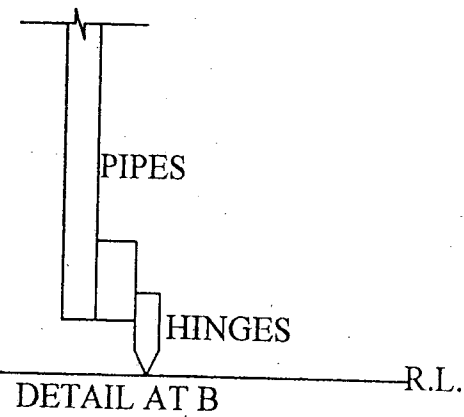
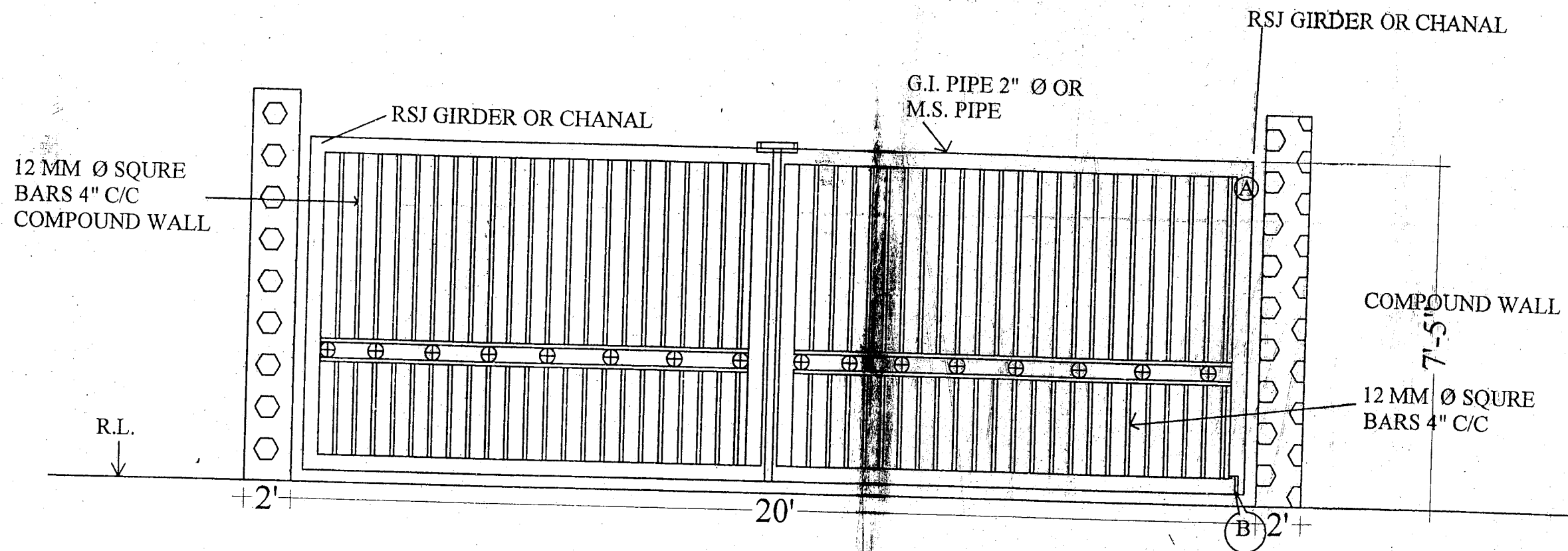
PROPOSED SILENT GENERATOR ROOM AT CENTRAL WORK SHOP JODHPUR		
DEALT BY	SCALE	DWG. NO.
R. SINGH		
SR. DRAFTSMAN	EXECUTIVE MANAGER CIVIL	
RAJASTHAN STATE ROAD TRANSPORT CORPORATION JAIPUR		



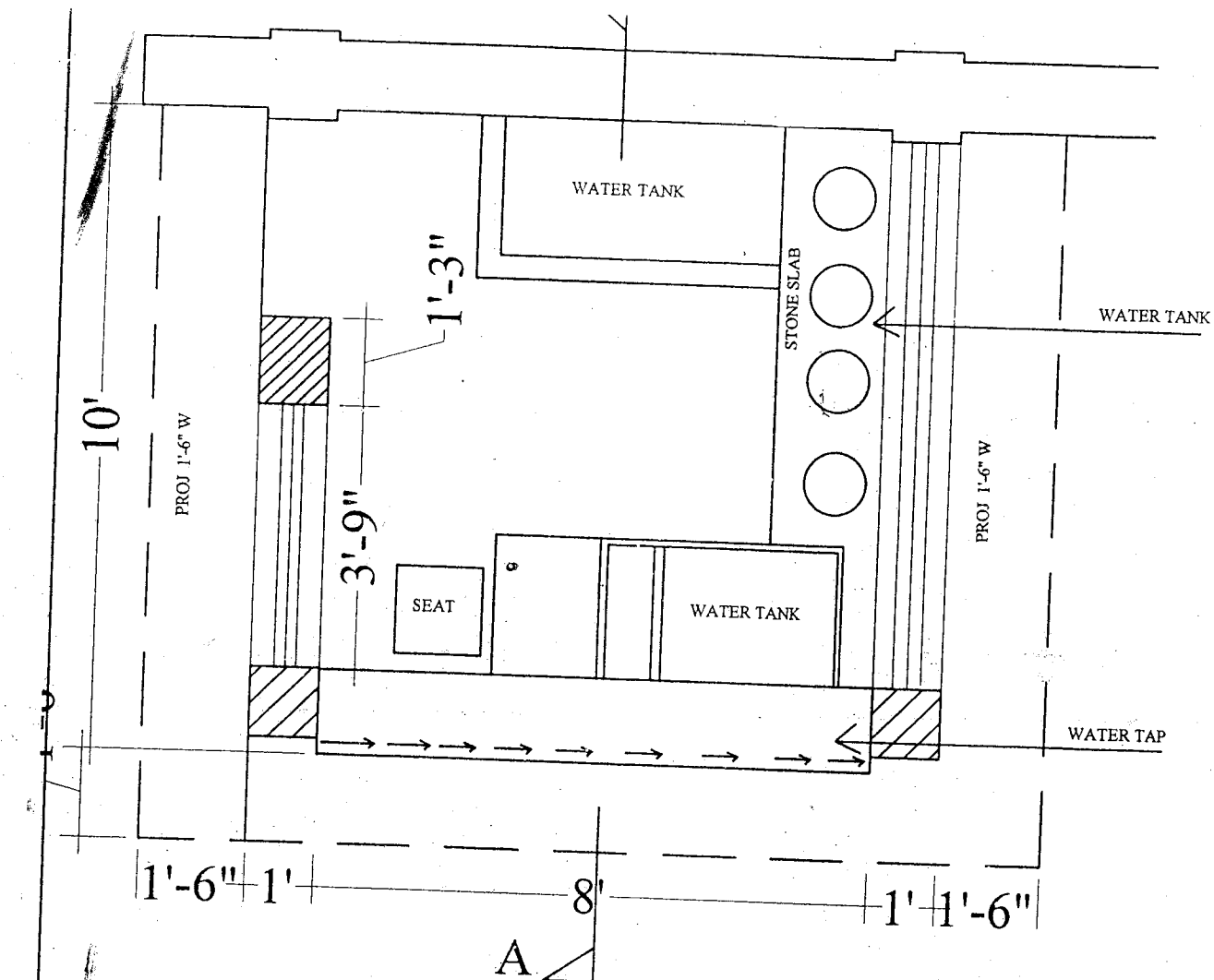
TYPE DESIGN FOR CANTEEN BUS
STATION

DEALT BY	SCALE	DRG. NO.
R. SINGH		

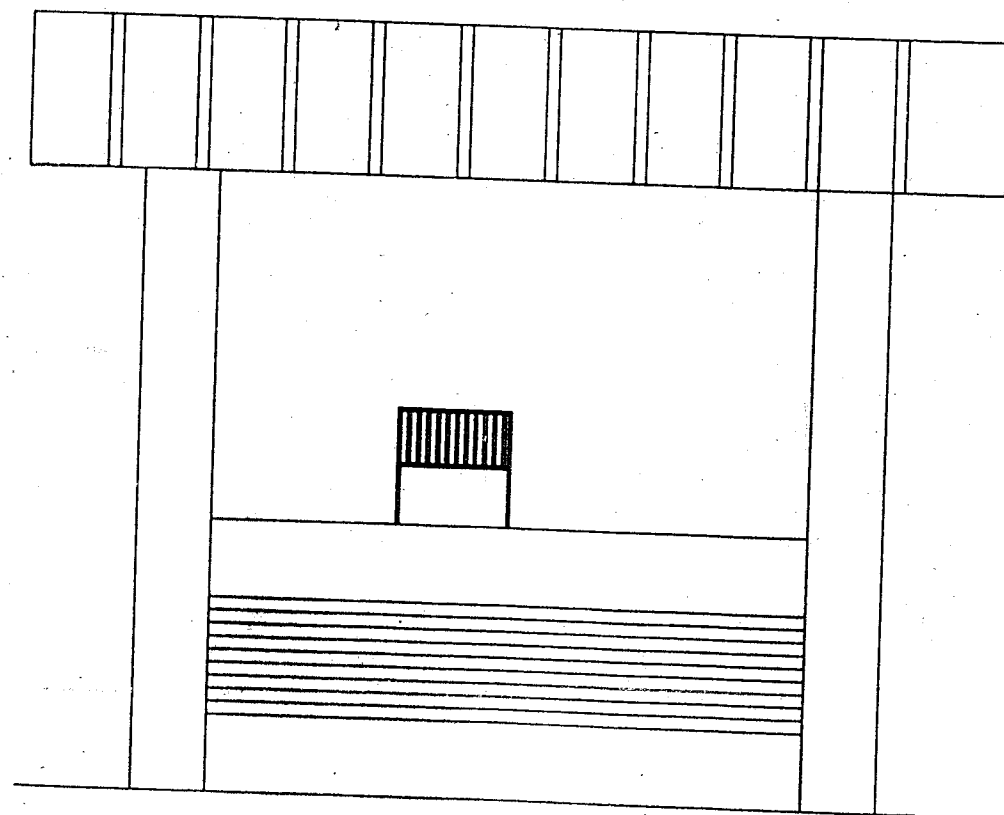
EXECUTIVE MANAGER (CIVIL)	SUPT. ENGINEER (CIVIL)
RAJASTHAN STATE ROAD TRANSPORT CORPORATION JAIPUR	



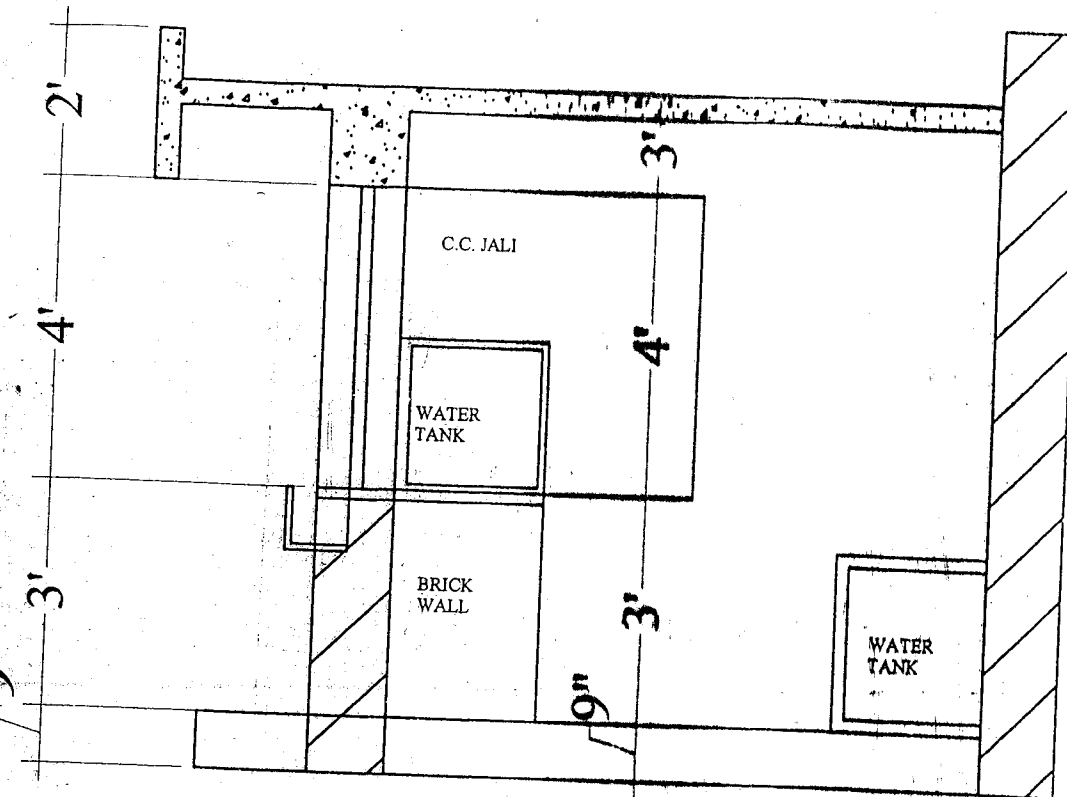
PROPOSED MAIN GATE FOR DEPOT WORK SHOP & BUS STAND		
DEALT BY	SCALE	DWG. NO.
R. SINGH		
SR. DRAFTSMAN	EXECUTIVE MANAGER	
RAJASTHAN STATE ROAD TRANSPORT CORPORATION JAIPUR		



GROUND FLOOR PLAN

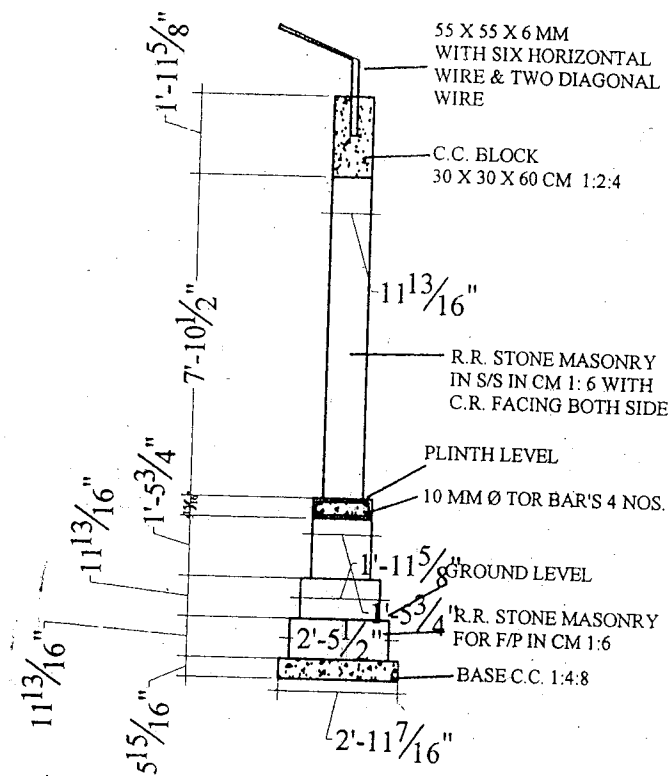


FRONT ELEVATION

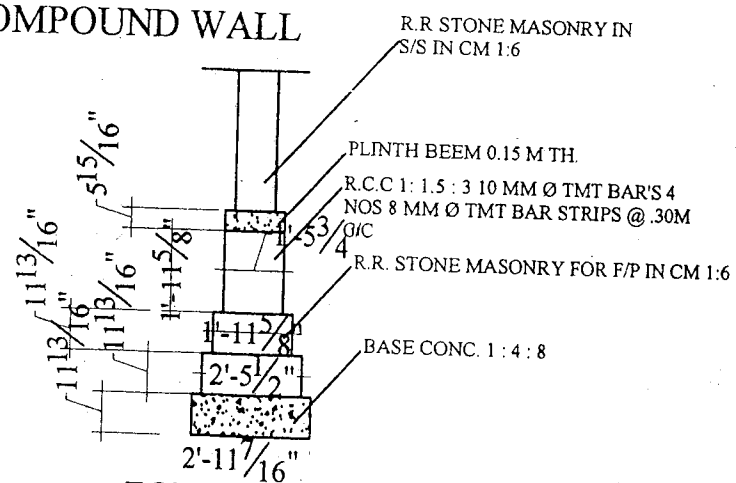


SECTION AT AA

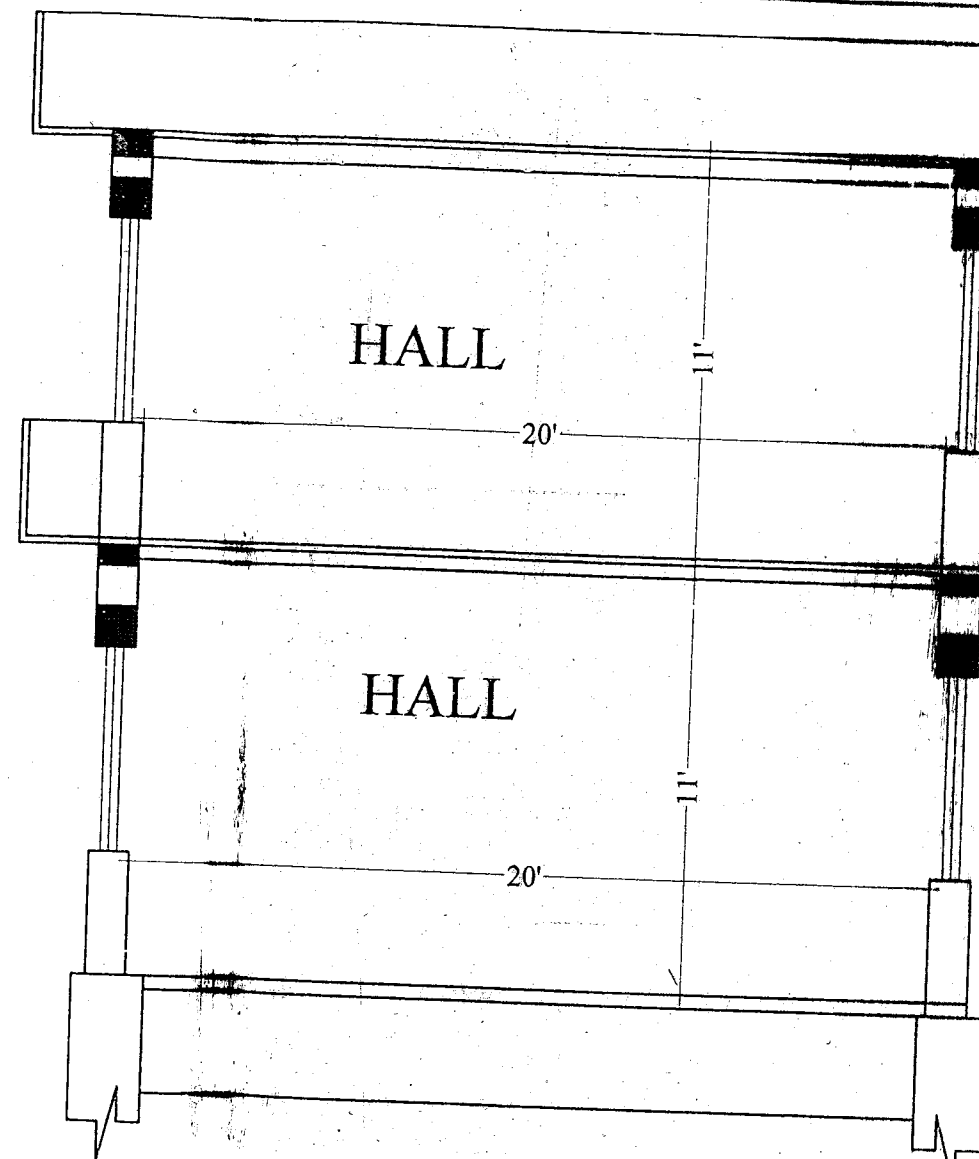
TYPE DESIGN WATER HUT		
DEALT BY	SCALE	DRG. NO.
R. SINGH		
EXECUTE MANAGER (CIVIL)	SUPD. ENGINEER (CIVIL)	
RAJASTHAN STATE ROAD/TRANSPORT CORPORATION JAIPUR		



SECTION COMPOUND WALL



FOUNDATION DETAIL OF BUILDING



SECTION AT - X - Y

MAINTENANCE SHED

CENTRAL WORK SHOP JODHPUR		
SECTION & FOUNDATION DETAIL		
DEALT BY	SCALE	DWG. NO.
R. SINGH		
SR. DRAFTSMAN		EXECUTIVE
RAJASTHAN STATE ROAD TRANSPORT CORPORATION JAIPUR		