

NORTH EASTERN RAILWAY



Office of the
General Manager/Engg.
N.E. Railway Gorakhpur

No. CE/NER/CE Circular/2007/Part-II/W-4A

Dt. 10.06.2022

CAO/Cons.
North Eastern Railway
Gorakhpur

Divisional Railway Manager,
North Eastern Railway
LJN, BSB & IZN

Sr. DEN/Co-ordination.
North Eastern Railway
LJN, BSB & IZN

Dy. CE/TMC
North Eastern Railway
Gorakhpur

CWM/BW
North Eastern Railway
Gorakhpur

Dy. CE/BW
North Eastern Railway
Gorakhpur

Dy. CE/Br./Line
North Eastern Railway
Gorakhpur

Dy. CE/TP
North Eastern Railway
Gorakhpur

Dy. CE/GA
North Eastern Railway
Gorakhpur

XEN/TP
North Eastern Railway
Gorakhpur

XEN/FBWP
North Eastern Railway
Gonda

XEN/Track
North Eastern Railway
Gorakhpur

C.E. Circular No. 107 of 2022

Sub: Ensuring quality of work and maintaining site records in works Contracts.

In connection with above, please find herewith a copy of CE Circular No 107 of 2022, regarding ensuring quality of work and maintaining site records in Contracts please.

It is requested all to kindly ensure compliance of guidelines issued by above quoted CE circular No. 107 of 2022 while maintaining site records.

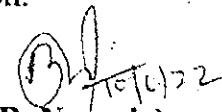
DA: 1. CE Circular No. 107 of 2022

2. Annexure – A, I to XII, B

Copy to:- 1. Secy. to GM for king information of GM please.

2. All PHOD and HODs of Engineering Department.

3. Dy. CVO/Engg. N.E. Railway Gorakhpur for information.


(B. Nagesia)

XEN/Works/HQ/GKP

पूर्वोत्तर रेलवे / NORTH EASTERN RAILWAY



कार्यालय
महाप्रबन्धक / इन्जी.
पूर्वोत्तररेलवे, गोरखपुर
OFFICE OF THE
GENERAL MANAGER/ ENGG.
N.E. RAILWAY, GORAKHPUR

CE CIRCULAR NO. 107 of 2022

Sub: Ensuring quality of work and maintaining site records in works contracts

Ensuring good quality of works in the field is prime responsibility of Engineer in charge of work. Various tools and aids are available to the field Engineers in the form of specifications, contract conditions, various fields and laboratory tests etc. In spite of these, many a times, the quality of works is found not up to the mark due to not implementation of the enabling provisions in the contract or improper framing of contract conditions related to the quality.

It is also noticed that proper site records are not maintained for the implementation of conditions of contract and execution of the work as per specifications. Maintaining proper records at construction site is an important prerequisite for effective performance of contract. It helps in project management by way of objectively monitoring progress of works, correct measurements and timely payments, ensuring quality in works as well as also safety of workers at worksites. It also promotes healthy work environment highlighting the type of hindrance to works, their duration and timely corrective actions wherever needed, rational extension of time, record of instructions given by the Engineer to contractor. It also helps in proactive vigilance and fair settlements of disputes at later stage by getting clear insight about what actually happened in the past.

Keeping the above objectives in view, various registers along with its formats to be maintained at worksites and enforcing conditions are given in Annexure 'A'. The registers should be got printed by the divisions and each page should be machine numbered. It shall be ensured that the registers are always kept undated in the field. While processing bills of contractor, a certificate shall be given by Railway's supervisor that all prescribed registers have been maintained and records are kept up to date. The certificate shall be signed by the contractor in token of his acceptance of records in registers. All the registers duly completed and signed by contractor's Engineer and Railway's supervisors should be sent to divisional office at the time of passing of first on account bill as well as with the final bill. The Engineer in charge can further call the registers during passing of other on account bills also if he so desires. The certificate shall also mention that items or materials for which payment is proposed are meeting the specifications passed the requisite tests and records thereof have been duly maintained and there are no instructions pending for compliance. ADEN shall test check records and then countersign the certificate and submit the same to sectional. DEN/Sr. DEN along with measurement books for passing the bills.

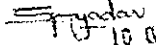
The quality of work also depends upon proper technical supervision by technically proficient staff of the contractor. Contract should have provision for deploying on the works, at all the times, efficient and adequate competent Engineer and Supervisor to execute the work as per specifications. The number of Engineers and Supervisors to be deployed by the contractor should be decided based on the size, nature & requirement of the work. The number of Technical staff to be deployed shall be specified in the tender document itself. Special contract conditions for deployment of Engineer/supervisors are given in Annexure 'B'.

Safety of running traffic at work site and safety of workman is another important area to be taken care of during the execution of works. All the employees of the contractor working at site shall be provided with suitable personal protective gears to ensure their safety at worksites. Suitable conditions in this regard may be added in the Tender Documents in addition to the other existing conditions with regard to safety of traffic & workmen at worksites.

It is important to carry out testing of material being used so as to ensure that it complies to lay down specifications. The testing of material should be done through NABL accredited labs or from reputed Engineering colleges. The contractor will also set up site laboratory for testing of materials as per the requirement and as provided at special conditions of contract in the Contract Agreement. The Material Test Reports (MTC) needs to be properly scrutinized for conformity to the specifications, accepted by the competent authority and are properly preserved.

All concerned shall ensure strict compliance of above instructions. These special conditions of contracts given in Annexure A & B shall be incorporated in all tenders for works contract called hence forth.

This has approval of PCE/NER.


(S.P. Yadav)
10.06.2022
Chief Engineer Works

Annexure 'A'

Construction site records

In order to maintain accurate records of performance of contract, the Railway's representative will maintain the following registers at site:

- i. **Site Order Register-** This register shall be for issuing work related instructions to the Contractor by Engineer or his Representatives. Verbal orders/ instructions are confirmed by the SSE/ADEN in writing in the register. Contractor shall promptly acknowledge orders given therein and comply with them within a reasonable time. Contractor shall also record the compliance in above register. Railways representative shall report such issues that have not been complied by the Contractor in a reasonable time frame to his higher ups for its early remedy. Reply to the inspecting officers regarding compliance, needs to be communicated by the Contractor promptly. Contractor may also record his grievance, if any, in above register, which the Railway shall try to settle promptly. Performa for the register is attached as Annexure-I.
- ii. **Hindrance register-** This register shall be maintained to record all hindrances encountered during execution of works in the contract. It shall indicate Nature of hindrance, Date of start of hindrance, Date of Removal of hindrance, Period of hindrance, Items of work that could not be executed because of this hindrance, impact of hindrance on overall delay etc. Hindrance register will form basis for grant of extension to the contractor with or without penalty. Performa for the register is attached as Annexure-II.
- iii. **Drawings issue register-** All records of issue of drawings viz. General Arrangement, Architectural, Structural, Plumbing, Sanitary etc. to the contractor by the depts. shall be maintained in this register. If the contract warrants submission of drawings by the contractor such as those for temporary works, structural designs & drawings in Design & Built contract, as built/completion drawings etc, it shall also be entered into the register. This register will also form a basis for analysing delay in execution of works by either party to the contract. All drawings shall be always kept at site in a separate folder for ready reference. Performa for the register is attached as Annexure-III.
- iv. **Technical Register-** This register will show technical details at site of work indicating layout of work, foundation works, variation in structural dimensions from drawings, any technical details necessary for verification of measurements, hidden works etc. This register is also meant for recording details of "Approved Method Statement" for major important activities that requires thorough detailing to ensure quality & safety of the work being executed. Performa for the register is attached as Annexure-IV.
- v. **Piling register-** A separate piling register indicating details of pile load test, location, size, depth of pile, strata encountered, time of start and end of boring, time of start and end of concreting, depth of socketing etc may be maintained.

- vi. **Tools & Plants Register-** This register shall give details of tools and plants, equipment and machinery etc available at site duly indicating their condition and usage, date-wise.
- vii. **Cement Register** - This register will be maintained to record daily receipt and consumption of the cement duly indicating the balance quantity. The quantum of the work done for the cement issued on a particular date will also be maintained. MTC and reference of Material Passing Register shall also be maintained in this register. Performa for the register is attached as Annexure-vi.
- viii. **Reinforcing Steel Register** - This register will record the details of reinforcements and its location of use in structural members. MTC and reference of Material Passing Register shall also be maintained in this register. Performa for the register is attached as Annexure-vii.
- ix. **Structural steel Register-** This register will record the details of structural steel and its location of use in structural members. MTC and reference of Material Passing Register shall also be maintained in this register. Performa for the register is attached as Annexure-viii.
- x. **Material Passing & Testing Register-** This register will show material brought at site, passed, rejected etc. with quantity, brand, specifications & test results etc in a tabular format. The records of sieve analysis of coarse & fine aggregates, impact or abrasion tests etc, admixture test etc shall also be maintained in this register or Material passing & testing register. The documents related to material passing shall be maintained in a separate folder for ready reference. Performa for the register is attached as Annexure-IX.
- xi. **Concrete Cube register-** All mix design shall have approval of sectional DEN/Sr. DEN. The cube register shall maintain records of cube casting and testing for 7 days and 28 days strength. Locations from where samples are taken shall be specifically mentioned. For concrete brought through RMC, samples shall be collected in presence of Engineer's representative and additional records of plant/source, transit mixtures, challan, time of travel, batching record, slump etc shall also be maintained in RMC Register. Source of RMC Plant shall have prior approval of sectional DEN/Sr. DEN. Performa for the register is attached as Annexure-X.
- xii. **Labour Register/Daily Progress Register/Machinery Register-** This register will be maintained to show daily strength of labour in different categories employed by the Contractor, machinery mobilized & description of work executed. Details of Contractor's Supervisor and Engineer shall also be maintained in it. It will also record category wise no. of labours engaged on the execution of work. Performa for the register is attached as Annexure-XI.
- xiii. **Programme Register-** This register shall contain planning and progress of work in the form of Bar charts and/or PERT chart etc. The planning of work submitted by the contractor shall have approval of sectional DEN/Sr DEN. The planning shall be periodically reviewed and revised program or catch up program shall be submitted by Contractor for completion of Works.
- xiv. **Daily Progress Register-** Daily progress register shall indicate daily progress of work done by the Contractor. It shall be got signed at least once in three

- xv. **Ready Mix Concrete Register-** Ready mix Concrete Register shall contain information regarding Name of Structure, detail of Transit Mixer, its loading, arrival at Site & Time of discharge completion, Slump, Ambient time concrete Temperature and reference of delivery Challan No. & batch Report No. Cement content as per approved mix design and as per Received batch report No. Shall also be maintained. Performa for the register is attached as Annexure-XII.
- xvi. **Log Book of events-** All events are required to be chronologically logged in this book, date wise and shift-wise.
- xvii. **QAP Compliance register-** For all important works valuing more than Rs 15 crore, a "Quality Assurance Manual" covering Quality System, Inspection & Testing, Method statements for important items of works, Document & Data control, Quality Training etc shall be prepared before starting the work. The above manual shall be prepared by Contractor by employing professionals in the field and submitted to Engineer for his approval. The implementation and compliance of check points shall be maintained in QAP compliance register.
- xviii. **SHE compliance Register-** For all important works valuing more than Rs 15 crore, a "Safety, Health and Environment (SHE) Manual" covering measures and practices to ensure safety of employees and workers, safety of worksites, Hazard identification & Risk assessment (HIRA), Safety Training, Occupational health systems for well-being of employees in the workplace, Environment protection, Pollution control and mitigation measures, compliance of related Acts/Laws etc shall be prepared before starting the work. The above manual shall be prepared by Contractor by employing professionals in the field and submitted to Engineer for his approval. The implementation and compliance of important check points shall be maintained in SHE compliance register.
- xix. **Schedule/Paid/Deviation Qty register-** This register shall indicate Quantities in schedule, paid bill-wise, deviation/variation etc in a tabular form in the register to examine progress of work and also timely forecast of likely variations.
- (a) Any other registers considered necessary by the Railway Engineer, shall also be maintained at site. Sectional DEN/Sr. DEN shall decide type of registers to be maintained at site at the time of commencement of work and approve them in writing.
- (b) Depending upon enormity and importance of project, some of above registers may be merged to reduce handling of large number of registers.
- (c) While processing bill of contractor, a certificate shall be given by Rly's Supervisor that all prescribed registers have been maintained to the standard and records are Up to Date. All the registers duly completed and signed by Contractor's Engineer and Railway Supervisors should be sent to divisional office at the time of passing of first on account bill as well as with the final bill. The certificate shall also mention that items or materials for which payment are proposed are meeting the specifications and records thereof have been duly maintained and there are no instructions pending for compliance.

- (d) The certificate shall be signed by the Contractor in token of his acceptance of Records of Registers. Sectional ADEN shall test check records and then countersign the certificate and submit the same to Sectional DEN/Sr. DEN along with Measurement Books for passing the bills. Sectional DEN/S. DEN should periodically visit the sites and may call for these records, for their scrutiny and comments.
- (e) Hindrance Register should invariably be sent along with the application for extension of time of completion of the work for the competent authority to take a decision.
- (f) All Registers, Performa charts, etc. will be the property of the Railway.
- (g) All registers should indicate on first page, Name of Work, Name of Agency, CA No., Completion period, Date of commencement, Schedule date of completion, Extended date, if any, Contract value, Revised contract value, Name of Rly's supervisor, Name of Contractors Supervisor/Engineer, if any. The registers should be preferably machine numbered. Few pages (3-4) should be left in the beginning for the inspection remarks of higher up officers.
- (h) Registers as mentioned above will be maintained by the Engineer's Representative and shall be seen & signed regularly by the Contractor or his authorised Representative for compliance of instructions recorded therein for satisfactory completion of work.
- (i) One hard bound copy of the contract agreement and supplementary agreements, if any shall always be maintained at site for ready reference.
- (j) Copies of Geotechnical reports shall always be maintained at site for ready reference. All level Books & survey records shall be duly preserved and maintained.
- (k) Once a month, for all works, colour photographs indicating various stages of execution of work shall be taken and developed by the Contractor at his own cost and same will be submitted to Railway in soft and hard copies and shall be the property of Railways.
- (l) The Contractor for his own purposes, may also maintain accurate records, plans and charts showing the dates and progress of all main operations and the Engineer and his representative shall have access to this information all the times. Records of tests made shall be handed over to the Engineer's representative after carrying out the tests.

Annexure-I

1. 1st page shall be designated for General Information mentioned as under.

पूवोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य)का कार्यालय
DRM(W)'s Office
(Division.....Location

ITE ORDER BOOK

Register issued on:

Name of work:.....

Letter of Acceptance:.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer... .. Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of Contractor's
Authorised Representative/Engineer

Signature of SSE/Works

2. 3-4 pages shall be kept for remarks of higher inspecting officers having format as under:-

Sr. No.	Date	Inspecting Officers Name & Designation	Remarks	Initials

3. Performa for the Site Order Book shall be as under:-

Sr. No.	Date	Instruction issued on the inspection of work with Signature & Designation	Contractor/ Contractor's representative acknowledgment with Signature Name & Date	Compliance report by contractor's representative with Signature, Name & Date	Final remarks of the Railway Engineer with Signature Designation & Date

Annexure-II

1. 1st page shall be designated for General Information mentioned as under.

पूवोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य)का कार्यालय
DRM(W)'s Office
(Division.....Location

HINDRANCE REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer..... Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of Contractor's
Authorised Representative/Engineer

Signature of SSE/Works

2. 3-4 pages shall be kept for remarks of higher inspecting officers having format as under.

Sr. No.	Date	Inspecting officers Name & Designation	Remarks	Initials

3. Performa for the Hindrance Register shall be as under.

[illegible]

1. 1st page shall be designated for General Information mentioned as under:-

पूवोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य)का कार्यालय
DRM(W)'s Office
(Division.....Location

DRAWING ISSUE REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer..... Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of Contractor's
Authorised Representative/Engineer

Signature of SSE/Works

2. 3-4 pages shall be kept blank for remarks of higher inspecting officers, having format as under.

Sr. No.	Date	Inspecting Officers Name & Designation	Remarks	Initials

3. Performa for the Site Order Book shall be as under:-

Sr. No.	Drwg. No. & Revision No It Any	Details of Drwg.	Date of issue to the Contractor	Acknowledgment of Contractor/ Remarks	Signature of Railway Engineer

1st page shall be designated for General Information mentioned as under:-

पूवोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य)का कार्यालय
DRM(W)'s Office
(Division.....Location

TECHNICAL REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer..... Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of Contractor's
Authorised Representative/Engineer

Signature of SSE/Works

2. 3-4 pages shall be kept for remarks of higher inspecting officers having format as under:-

Sr. No.	Date	Inspecting Officers Name & Designation	Remarks	Initials

3. Performa for the Site Order Book shall be as under:-

Sr. No.	Date	Particulars (Pertaining to Work-Site (Sketch/ Diagrams/Note /Instruction/ Drawings...etc) REF	Approvals/ Comments/ Remarks of (Engineer Incharge)	Contractor's representative with Signature, Name & Date

1st page shall be designated for General Information mentioned as under:-

पूवोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य)का कार्यालय
DRM(W)'s Office
(Division.....Location

PILING REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer..... Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of Contractor's
Authorised Representative/Engineer

Signature of SSE/Works

2. 3-4 pages shall be kept blank for remarks of higher inspecting officers having format as under:-

Sr. No.	Date	Inspecting Officers Name & Designation	Remarks	Initials

3. Performa for the piling Register shall be as under- (One page should be assigned for one pile followed by its sketch).

Sr.No.	Pile No.	Date of Boring	Date of Casting	Concrete Grate	Datum level	Depth from Datum	Soketing in Rocks	Level of Pile bottom
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

Cut off level	Payable Length	Liner top level	Liner bottom level	Payable length of liner	Sign. Of site engineer with date	Contractor's representative with Signature, Name & Desig.
(10)	(11)	(12)	(13)	(14)	(15)	(16)

- Annexure-VI
1. 1st page shall be designated for General Information mentioned as under:-

पूवोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य) का कार्यालय
DRM(W)'s Office
(Division.....Location)

CEMENT CONSUMPTION REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer... .. Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of SSE/Works

Signature of Contractor's
Authorised Representative/Engineer

2. On second page following notes to be recorded by SSE/Works.
"Original copy of Receipts/Challan shall be attested By SSE/Works mentioning the Name of Site where it is to be used" Photocopy of the same is to be kept on record.
3. 3-4 pages shall be kept blank for remarks of higher inspecting officers having format as under:-

Sr. No.	Date	Inspecting Officers Name & Designation	Remarks	Initials

4. Performa for the piling Register shall be as under- (One page should be assigned for one pile followed by its sketch).

Sr. No.	Date of Receipt	Source of Receipt	Bill/ Chall an No.	Manufactures Test Certificate Reference	Qty Received (Bags)	Progress ive total of Receipts (Bags)	Date of issue	Qty issued (Bags)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

Qty Returned of the end of the day (Bags)	Net Qty issued (Bags)	Progressive Total of issue (Bags)	Balance at the end of the day (Bags)	Items of work for which issued (Bags)	Sign. Of Rly's Engineer with Date	Sign of Contractor's Rep. With Date
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1. 1st page shall be designated for General Information mentioned as under:-

पूवोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य)का कार्यालय
DRM(W)'s Office
(Division.....Location

REINFORCEMENT REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer..... Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of Contractor's
Authorised Representative/Engineer

Signature of SSE/Works

2. On second page following notes to be recorded by SSE/Works.
"Original copy of Receipts/Challan shall be attested By SSE/Works mentioning the Name of Site whers it is to be used" Photocopy of the same is to be kept on record.
3. 3-4 pages shall be kept blank for remarks of higher inspecting officers having format as under:-

Sr. No.	Date	Inspecting Officers Name & Designation	Remarks	Initials

4. Performa for the piling Reinforcement Register shall be as under :-

Sr. No.	Date	Location / Member	Description & Diagram of bar including bar indication	Dia. Of Bar	Spacing
(1)	(2)	(3)	(4)	(5)	(6)

Numbers Provided	Lap length	Total length	Total weight	Reference of Material Passing Register	Sign. Of Rly's Engineer with Date	Sign. Of Contractor's Representative
(7)	(8)	(9)	(10)	(11)	(12)	(13)

1. 1st page shall be designated for General Information mentioned as under:-

पूर्वोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य) का कार्यालय
DRM(W)'s Office
(Division.....Location)

STRUCTURAL STEEL REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer... .. Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of Contractor's
Authorised Representative/Engineer

Signature of SSE/Works

2. On second page following notes to be recorded by SSE/Works.
"Original copy of Receipts/Challan shall be attested By SSE/Works mentioning the Name of Site where it is to be used" Photocopy of the same is to be kept on record.
3. 3-4 pages shall be kept blank for remarks of higher inspecting officers having format as under:-

Sr. No.	Date	Inspecting Officers Name & Designation	Remarks	Initials

4. Performa for the piling Reinforcement Register shall be as under :-

Sr. No.	Date of Receipt	Designation of Item	Source of Receipt & Challan No./Bill No.	Quantity Receipt (MT)	Cum. Qty Received (MT)
(1)	(2)	(3)	(4)	(5)	(6)

Details of MTC	Details of 3 rd Party Test Report	Reference of Material passing Register	Item of work in which consumed	Sign. Of Rly's Engineer with Date	Sign. Of Contractor's Representative with Date
(7)	(8)	(9)	(10)	(11)	(12)

1. 1st page shall be designated for General Information mentioned as under:-

Annexure-IX

पूर्वोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य) का कार्यालय
DRM(W)'s Office
(Division.....Location)

METERIAL PASSING REGISTER

Register issued on:

Name of work:.....

Letter of Acceptance :.....

Contract Agreement No:.....

Value of Work:

Revised Value of Work:

Date of Completion:.....

Extended date of Completion:.....

No. of Machine Numbered Pages:.....

Railways Officials

Senior Section Engineer..... Contact No.....

Asst. Divisional Engineer..... Contact No.....

Sr. Divisional Engineer..... Contact No.....

Divisional Engineer... .. Contact No.....

Contractor's Officials:

Contractor's Authorised Representative:..... Contact NO.....

Contract's Engineer..... Contact No.....

Signature of SSE/Works

Signature of Contractor's
Authorised Representative/Engineer

Annexure-X

1. 1st page shall be designated for General information mentioned as under

पूर्वोत्तर रेलवे
North Eastern Railway



मण्डल रेल (कार्य) का कार्यालय
DRM(W)'s Office
(Division) Location .

CONCRETE CUBE REGISTER

Register issued on : _____

Name of work _____

Letter of Acceptance _____

Contract Agreement No. _____

Value of work . _____

Revised Value of work. _____

Date of Completion _____

Extended Date of Completion _____

No. of Machine Numbered Pages _____

Railways Officials

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Contractor's Officials

Contractor's Authorised Representative. Contact No.

Contractor's Engineer. Contact No.

Signature of SSE/Works

Signature of Contractor's
Authorised Representative/Engineer

2. 3-4 pages shall be kept blank for remarks of higher inspecting officers having format as under :

Sr. No.	Date	Inspecting Officer's Name & Designation	Remarks	Initials

3. Performa for Material Passing Register shall be as under :

S.No.	Type of material & Date of Receipt	Voucher No. & Date	Source of Receipt	Quantity Received	Name of Brand/Manufacturer
(1)	(2)	(3)	(4)	(5)	(6)

Batch No./Heat No.	MTC with Date Folio No. of File & Result thereof	Permissible range of value as per normative IS Code	Test result from 3 rd Party Lab	Approval/Rejection Remarks of ADEN	Signature of Railway's Engineer with Date	Signature of Contractor's Representative with Date
(7)	(8)	(9)	(10)	(11)	(18)	(19)

2. 3-4 pages shall be kept blank for remarks of higher inspecting officers having format as under :

Sr. No.	Date	Inspecting Officer's Name & Designation	Remarks	Initials

3. Performa for the Concrete Cube Register shall be as under :

S.No.	Date of Casting	Structural Location	Grade of Concrete Qty & No. of Test required	Cube Identification No.	Weight of Cube	Proposed Date of Testing		7 Days Compression Strength			
						7 Days	28 Days	Load (KN)	Comp Strength (N/MM ²)	Accepted Comp.Strength (N/MM ²) (Clause 15.4 of IS:456)	Avg of accepted Comp.Str strength (N/MM ²)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)

28 Days Compressive Strength				Acceptance Of Concrete As per Clause 16 Of IS: 456	Signature	
Load (KN)	Comp Strength (N/MM ²)	Accepted Comp.Strength (N/MM ²) (Clause 15.4 of IS:456)	Avg.of accepted Comp.Strength (N/MM ²)		Contractor's Representative	Railway's Representative
(13)	(14)	(15)	(16)	(17)	(18)	(19)

2. 1st page shall be designated for General information mentioned as under

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DAILY PROGRESS/ LABOUR & MACHINERY REGISTER

Register issued on : _____

Name of work _____

Letter of Acceptance _____

Contract Agreement No. _____

Value of work . _____

Revised Value of work. _____

Date of Completion . _____

Extended Date of Completion . _____

No. of Machine Numbered Pages . _____

Railways Officials

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Contractor's Officials

Contractor's Authorised Representative. Contact No.

Contractor's Engineer. Contact No.

Signature of SSE/Works

Signature of Contractor's
Authorised Representative/Engineer

2. 3-4 pages shall be kept blank for remarks of higher inspecting officers having format as under :

Sr. No.	Date	Inspecting Officer's Name & Designation	Remarks	Initials

3. Performa for the Daily Progress/Labour/Machinery Register shall be as under :

Date	Description of work Executed	Labour Engaged		Machinery Mobilized
		Skilled	Unskilled	
(1)	(2)	(3)	(4)	(5)

Contractor Signature	Contractor Site Engineer	Approximate Quantum of work executed	Status of Registration of Labours in Shramik Kalyan Portal	Sign of Rly's Engineer with Date	Sign of Contractor's Representative with Date
(6)	(7)	(8)	(9)	(10)	(11)

Annexure-XII
3. 1st page shall be designated for General information mentioned as under

पूर्वाञ्चल रेलवे
North Eastern Railway



मण्डल रेल (कार्य) का कार्यालय
DRM(W)'s Office
(Division) Location .

RMC REGISTER

Register issued on : _____

Name of work _____

Letter of Acceptance _____

Contract Agreement No. _____

Value of work . _____

Revised Value of work. _____

Date of Completion _____

Extended Date of Completion _____

No. of Machine Numbered Pages _____

Railways Officials

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Senior Section Engineer. Contact No.

Contractor's Officials

Contractor's Authorised Representative. Contact No.

Contractor's Engineer. Contact No.

Signature of SSE/Works

Signature of Contractor's
Authorised Representative/Engineer

Sr. No.	Date of Concreting	Location/ Structural/ Member	Estimated Quantity of Concreting	Transit Mixture No. & Qty.	Time of Loading
(1)	(2)	(3)	(4)	(5)	(6)

Time of arrival	Time of discharge Completion	Temperature		Slump Req'd	Actual	No. of Cubes/ Samples taken	Delivery Challan No. & its File Reference No.
		Ambient	Concrete				
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)

Batch Report No. & its File Reference No.	Cement Content		Type of Cement and Grade	Sign of Rly's Engineer with Date	Sign of Contractor's Representative with Date
	AS per Approved Mix Design	As per Batch Report of RMC			
(15)	(16)	(17)	(18)	(19)	(20)

ANNEXURE "B"

Deployment of Contractor's Technical staff

1. The Contractor shall place and keep on the works at all the times efficient and adequate competent staff to give the necessary directions to his workmen and to see that they execute their work in sound & proper manner and shall employ only such supervisors, workmen & labourers in or about the execution of any of these works as are careful and skilled in the various trades.
2. The contractor shall employ at least one qualified and competent Graduate Engineer at every worksite when cost of the work to be executed is Rs.2 Cr. or above and at least one Diploma holder Engineer where cost of the work to be executed is more than Rs.25 lakh but less than Rs.2 Cr. For large works numbers of Graduate/Diploma Engineers shall be suitably increased to ensure effective supervision of worksites. The number of engineers to be deployed by the contractor will be decided by Railway's Engineer and conveyed to the contractor in writing. His decision will be final and binding on the contractor. In this contract, the contractor shall deploy following nos. of Qualified staff :
 - (a) Graduate Engineers- [-*] nos.
 - (b) Diploma holders-[--] nos.Numbers to be mentioned by Railway's Engineer
3. For non-deployment of Graduate Engineer and Diploma Engineer a penalty of Rs.40,000pm and Rs 25,000pm or part thereof respectively shall be imposed in addition to the action being taken against contractor for non-deployment as per terms & conditions of the contract.
4. The contractor will submit the CV of the Engineers and Supervisors to be deployed at the site to the Engineer who(Sr.DEN/DEN) will approve it based on the qualification, experience, past record etc. of the person, prevailing site conditions and the nature of the work to be executed. A certificate will be issued by the Contractor duly signed by him as well as by site Engineer to the effect that the site Engineer shall be deployed on the specific work only and is not deployed on any other site/ project. The Contractor shall at once remove from the works any Engineer/supervisor who shall be objected to by the Engineer-in-charge. Fresh approval has to be taken for the contractor's

5. The name of the approved Engineer/s shall be reflected in the site registers/records.
6. In the event of the Engineer being of the opinion that the Contractor is not employing on the works a sufficient number of staff and workmen as is necessary for proper completion of the works within the time prescribed, the Contractor shall forthwith on receiving intimation to this effect deploy the additional number of staff and labour as specified by the Engineer within seven days of being so required and failure on the part of the Contractor to comply with such instructions will entitle the Railway to rescind the contract as per General Conditions of Contract.