

(A Government of India Undertaking and Subsidiary of BBUNL)
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TENDER NO.	NIT/DGM(M&CP)/METALLIZING/2132/R1	DATE	18.08.2010
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NOTICE INVITING TENDER

Sealed Tenders are invited from reputed agencies for the following work:

01.	NAME OF THE WORK	SAND BLASTING, METALLIZING & PAINTING OF OPEN WEB GIRDERS AT GANGA BRIDGE SITE, MUNGER (BIHAR)
02.	QUANTITY	AS PER BOQ
02.	COMPLETION PERIOD	24 MONTHS ;
03.	COST OF TENDER DOCUMENT (NON-REFUNDABLE)	Rs.1000/= (RUPEES ONE THOUSAND ONLY) BY CASH / PAY ORDER / DEMAND DRAFT FROM A NATIONALIZED BANK IN FAVOUR OF "THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED" PAYABLE AT KOLKATA.
04.	EARNEST MONEY DEPOSIT	Rs. 1,00,000/= (RUPEES ONE LAKH ONLY) BY PAY ORDER/ DEMAND DRAFT FROM A NATIONALIZED BANK IN FAVOUR OF "THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED" PAYABLE AT KOLKATA.
05.	ISSUE OF TENDER DOCUMENT	BETWEEN 18.08.2010 TO 01.09.2010 DURING OFFICE HOURS.
06.	LAST DATE & TIME OF RECEIPT OF TENDER	RECEIPT UP TO 01.00 PM ON 02.09.2010
07.	OPENDING OF TENDER	TO BE DECIDED BY BBJ

(PROBAL GHOSH)
DGM(M&CP)

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(A.J.KANDIR)
AM(M&P)

INSTRUCTION TO BIDDERS

1. **SUBMISSION OF TENDER** shall be read in conjunction with General Commercial Terms and conditions and any other documents forming part of this Tender Document wherever the context so requires. Notwithstanding the sub-division of the documents into the separate section, every part of each shall be deemed to be supplementary to and complementary to every other part and shall be read with the document so far as it may be practicable to do so wherever it is mentioned that the Sub-Contractor shall perform certain work or provide certain facilities, it is understood that the Sub-Contractor shall do so at their cost.

2. LANGUAGE

Bids and all accompanying document shall be in English. In case any accompanying documents are in other language, it shall be accompanied by an English translation. The English version shall prevail in matter of interpretation.

3. ELIGIBILITY CRITERIA

“FIRMS MUST HAVE EXPERIENCE OF COMPLETION OF ONE WORK OF SAND BLASTING AND METALLIZING OF WELDED STEEL BRIDGE GIRDER / OTHER HEAVY STRUCTURAL WORK OF SQUARE/ RECTANGULAR/ CIRCULAR SECTION AT PROJECT SITE HAVING SURFACE AREA OF 30,000 SQ.M DURING LAST FIVE YEAR.”

b) Any firm who does not qualify technically may enter into a TECHNICAL TIE-UP/MOU with another firm having technical expertise and past experience of doing similar Sand Blasting & Metallizing work through an agreement. The partners of the said MOU to be jointly and severally responsible for fulfillment of the contractual obligation.

4. JOINT VENTURE CRITERION

a) Company or firm fulfilling the Techno-commercial and other qualifying criteria strictly as per the requirements published in the NIT and spelt out in this tender document is only eligible to submit quotation.

b) In case of necessity, two or more companies or firms forming Joint Venture (JV) by means of agreement (whether registered or not) for Techno-Financial Synergy and/or for any commercial consideration is eligible to submit quotation provided :

i) A new entity is formed and goes by a new name.

ii) The said new entity is conclusively and distinctively complies with all qualification criteria set for the job published in this NIT.

INSTRUCTION TO BIDDERS

iii) The terms of the JV would be such as to sufficiently protect or safeguard contingencies as to breach of contract etc. by one or more partners in course of or during tendency of execution of contract by the JV and have provisions as such binding upon the JV partners inter-se as insurance for execution and determination of contract.

c) Likewise, two or more companies or firms arriving at common understanding and executing a memorandum of Understanding (MOU) (whether registered or not) by and between themselves or have consortium arrangement (whether registered or not) is eligible to quote provided :

i) The terms of the MOU provides for flexibility enabling at least one of the partners to co-opt new one e.g. Firms, Companies, Body of Individuals as member to secure the purpose inherent to the MOU if the circumstances so required in the interest of execution of contract.

ii) The instrument of MOU to designate and define the scope and the authority of each partners under MOU naming and authorizing the Partner entitle to submit quotation for the instant job.

iii) The quotation submitted by the Partner under the MOU would required to be sufficient to prove conclusively that the Partners Companies or Firms or Body of Individual under MOU jointly or in plurality complied with all qualifying criteria set for the job in the NIT.

d) Mention may be made that the Company would under no circumstances be held liable or cause to incur any liability arising out of all or any taxation & revenue matters on account of JV or MOU.

5. SUBMISSION OF BID

a) All the pages of the tender document to be signed with Company's seal by the bidders. The rates in the appropriate space in the BILL OF QUANTITY (BOQ-1 & BOQ-2) of the tender should be properly filled in both in figures and words. No overwriting, use of correction fluid will be allowed. Any correction will be done by scoring out the incorrect entry and inserting the new entry in a legible manner. Both the correction and new entry to be signed and sealed with Company's seal. In the event of any difference between figure & words of the quoted rates, the rate in word shall be considered for evaluating the tender.

b)The Tender shall be signed by the person legally authorized to enter into commitment on behalf of the Tenderer. All the pages of the tender document to be signed with Company's seal by the Tenderer. The rates in the appropriate space in the BILL OF QUANTITIES (BOQ-1 & BOQ-2) should be

INSTRUCTION TO BIDDERS

properly filled, both in figures and words. No overwriting, use of correction fluid will be allowed. Any correction will be done by scoring out the incorrect entry and inserting the new entry in a legible manner. Both the correction of or during tendency of execution of contract by the JV and have provisions and new entry to be signed and sealed with Company's seal. In the event of any difference between figure & words of the quoted rates, the rate in word shall be considered for evaluating the tender. Tenders to be submitted in two parts as per following:

c) TECHNO-COMMERCIAL PART

The Techno-Commercial bid should contain the following:

- i) The Tender document including drawing etc. issued to the bidders (Excluding BILL OF QUANTITY-BOQ-1 & 2) duly signed and sealed in each page.
- ii) Documents in support of ELIGIBILITY CRITERIA as mentioned in Clause No.3 above.
- iii) Copy of PAN number and VAT registration number should be furnished along with the Techno-commercial bid.
- iv) Copy of P.F/ESI registration certificate.
- v) Company's audited Balance Sheet for last 3 (three) years.
- vi) Earnest Money Deposit (EMD) of Rs.1,00,000/=(Rupees one lakh only), in the form of pay order/ demand draft from a Nationalized Bank drawn in favour of "The Braithwaite Burn and Jessop Construction Co. Ltd." and payable at Kolkata. For the case of successful bidder this EMD will be converted to Security Deposit till completion of Defect Liability Period.
- vii) LIST OF DEVIATIONS duly filled as per BBJ format enclosed (Annexure-I).

The above documents are to be put in a sealed envelope superscribing "**TENDER NOTICE NO. AND TECHNO-COMMERCIAL PART**" to be submitted to BBJ.

d) PRICE PART

Properly filled up BILL OF QUANTITY (BOQ-1 & BOQ-2) issued to the bidders in the tender document duly sealed and signed to be put in a sealed envelope superscribing "**TENDER NOTICE NO.**" and "**PRICE PART**".

- ³e) The above two sealed envelope i.e. 'TECHNO-COMMERCIAL PART' and 'PRICE-PART' to be put in a sealed envelope superscribing "**TENDER NOTICE NO./NAME OF WORK**" to be submitted to BBJ. Please refer CHECK LIST (Annexure-III) in this regard.

INSTRUCTION TO BIDDERS

6. All costs and expenses incidental to preparation of the tender, discussion, conference, pre-award discussion with BBJ shall be to the account of the tenderer and BBJ shall bear no liability whatsoever on such cost expenses.

7. Conditional tenders may be rejected and no additional clause will be entertained.

8. The award of the order or rejection of the Tenderer's offer and/or cancellation of the tender will be made at the absolute discretion of BBJ. BBJ reserves the right to cancel or accept or reject any or all tender(s), whether lowest or otherwise, without assigning any reason(s) whatsoever thereof. A tenderer whose Tender is not accepted shall not be entitled to claim any cost, charges or expenses incidental to or incurred by him through or in connection with the preparation and submission of the Tender/Offer to BBJ. BBJ also reserves the absolute right to split up and award the requirement between two or more Tenderers/bidders.

9. CURRENCIES OF BID AND PAYMENT

The Tenderer shall submit his price bid / offer in Indian Rupees and payment under this contract will be made in Indian Rupees.

10. All duties, taxes, fees and other levies payable by the Sub-Contractor under the contract or any other cause shall be included in the quoted prices.

11. VALIDITY OF TENDER

60 (SIXTY) days from the date of opening of tender or for a further period if mutually accepted. BBJ reserves the right to ask for the extension of validity, if any.

12. In case of ambiguities within clauses of different sections of this tender document, the order of preference will be in the following manner:

1ST: INSTRUCTIONS TO THE BIDDERS.

2ND: SCOPE OF WORK.

3RD: SPECIAL CONDITION OF CONTRACT.

4TH: TECHNICAL SPECIFICATION.

5TH: BILL OF QUANTITIES.

6TH: GENERAL CONDITION OF CONTRACT.

7TH: INDIAN STANDARDS.

13. General Arrangement (G.A.) drawing are attached with this tender document. The bidders who have downloaded the tender document from BBJ Website must collect the G.A. drawing from the undersigned at 27, R.N.Mukherjee Road, Kolkata-700 001 during Office hours.

(A.J.KANDIR)
AM(M&P)

TECHNICAL SPECIFICATION

6.0	PAINTING
	Specifications for Metallising and Painting of bridge girders shall be as per IRS:B1-2001
6.1	SURFACE PREPARATION (FOR ALL TYPES OF PAINTING AND METALISING)
	Surface of all components/members of the superstructure shall be prepared as per following provisions before application of first coat of paint/primer or before metallising.
(i)	The surface should be clean, dry and free from contaminants and it should be rough enough to ensure adhesion of the paint film. However, it should not be so rough that the film cannot cover the surface peaks.
(ii)	The cleaning of the surface shall be done initially with the use of emery paper, wire brushes, scrapers etc. for spot cleaning to remove rust, mill scale along with some of the base metal. This will be achieved by high velocity impact of abrasive material against the surface in accordance with the provisions of IS:6586, which will also create a base for good adhesion. The abrasive material once used for cleaning heavily contaminated surface should not be reused even though re-screened. Washed salt free angular silica sand of mesh size 12 to 30 with a minimum of 40% retained on a 20 mesh screen shall be used for blasting. The material specifications and other requirements shall be as provided in Indian Railways Bridge Manual, 1998.
6.2	METALISING AND PAINTING OF FLOOR AND DECK SYSTEM OF THE BRIDGE
(i)	All the components in the floor and deck system in open web girders of this rail cum road bridge shall be metalized as per IRS specifications. Components to be metalized in rail deck are bottom chord members, cross girders and stringers, connecting bracings and all the connecting gussets. In the road deck, cross girders & stringers(except the surface in contact with road deck) and all the connecting gussets are to be metalized.
(ii)	The sprayed coating shall be applied as soon as possible after surface preparation.
(iii)	The wire method shall be used for the purpose of metallising, the diameter of the wire being 3mm or 5mm as approved by Engineer, specified thickness of coating shall be applied in multiple layers and in

TECHNICAL SPECIFICATION

(iii)	no case less that 2 passes of the metal spraying unit shall be made over every part of the surface. The surface after spraying shall be free from uncoated parts of lumps of loosely spattered metal.
(iv)	The composition of the aluminium to be sprayed shall be in accordance with BS:1475, material 1-B(99.5%) aluminium otherwise as per IS:739 and IS:2590. However, the selection of metal for spraying i.e. Zinc or Aluminium shall be subject to final approval by the Engineer.
(v)	Atleast one layer of the coating must be applied within four hours of blasting and the surface must be completely coated to the specified thickness within 8 hours of blasting.
(vi)	Minimum thickness of metal coating applied shall be 115 microns and average thickness shall be 150 microns. The metal coating shall be checked for thickness by approved magnetic thickness measuring gauge. At least one reading for each Sq.M of area painted shall be taken. The calibration of the gauge shall be checked against a standard of similar thickness within an accuracy of 10%.
(vii)	For measurement of dry film thickness, following instruments may be used by the contractor. Dry film thickness is to be measured as described in Appendix-VII of IRS BI-2001 subject to minimum DFT of 115mm. (a) Electronic coating thickness gauge. (b) Elecometer (magnetic thickness gauge) Dial type. (c) Surface profile gauge.
(viii)	Any oil, grease or other contamination should be removed by thorough washing with a suitable thinner until no visible traces exist and the surfaces should be allowed to dry thoroughly before application of paint. The coatings may be applied by brush or spray. If sprayed, pressure type spray guns must be used. One coat of wash primer to IS:5666 shall be applied first. After 4 to 6 hours of the application of the wash primer, one coat of Zinc Chrome Primer to IS:104 shall be applied with the additional proviso that zinc chrome to be used in the manufacturer of primer shall conform to type 2 of IS:51 shall be applied.
(ix)	After hard drying of Zinc Chrome primer the third coat shall be by Aluminium Paint conforming to IS:2339. The girder parts shall be dispatched to site after the third coat(i.e. first finishing coat or cover coat).

TECHNICAL SPECIFICATION

6.3	PAINTING OF OTHER COMPONENTS OF THIS BRIDGE(OTHER THAN THOSE IN FLOOR AND DECK SYSTEMS) Protective coating by paintings as per following painting schedule may be applied with the approval of the Engineer:
(a)	PRIMER COAT : One coat of ready mixed zinc chromate priming to IS:104 followed by one coat of zinc chrome red oxide priming to IS:2074
(b)	FINISHING COAT : One coat of Aluminium paint to IS:2339 shall be applied over the primer coats. One coat shall be applied before the fabricated steel work leaves the shop.
6.4	MISCELLANEOUS :
(I)	Final dry film thickness in case of metallising shall be average 150 microns and shall be measured before application of next coat of painting.
(ii)	Surface preparation shall not be done unless approved paints of sufficient quantity(both primer and finishing) are available in stock.
(iii)	Special care should be taken in preparing corners, junctions of members, heads of bolts, nuts, rivets, holes areas less accessible, hidden pockets etc. Surface preparation at such locations shall not be inferior to that attained over the rest of the area.
(iv)	Surface preparation shall not be carried out in the following conditions : <ul style="list-style-type: none"> • In rainy season from June to September and from December to January. • In extremely windy/misty/dust blowing conditions. • At night • In winter before 8 A.M. • In summer between 11 and 15 hrs, in areas, which are likely to be exposed to direct sunlight. • Engineer reserves the right to change the above timing.
6.5	INSPECTION
6.5.1	ADHESION : The sprayed metal coating shall be subjected to an adhesion test using the method described in IRS BI-2001. If any part of the coating between the lines breaks away from the base metal, it shall be deemed to have failed the test. Articles that have been rejected, shall have the defective sections blasted to clean off all

THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED

[NIT/DGM\(M&CP\)/METALLIZING/2132/R1 DATED 18.08.2010](#)

TENDERER(S)

BBJ

TECHNICAL SPECIFICATION**TS-4**

6.5.1	sprayed material prior to re-spraying. Where the rejection has been solely due to too thin a coating, sprayed metal of the same quality may be added provided that the surface has been kept dry and is free from visible contamination.
6.6	PAINTS FOR PAINTING OF STEEL WORKS: SOURCE, QUALITY & TESTING
(i)	Paints and Wash Primer for the work will be supplied by BBJ. Paints manufactured only by the following firm may be used subject to their being in the approved list of RDSO and final approval by the Engineer. <ul style="list-style-type: none"> • M/s. Shalimar Paints
6.7	PAINTING - GENERAL INSTRUCTIONS
(i)	Painting shall not be commenced till the surface preparation has been approved by the Engineer or his representative or inspecting officer.
(ii)	Sealed containers of paint of approved brand shall be used. The paint drums must be rolled, turned upside down and shaken before opening. The paint must be stirred well before use. Over stirring which results in invisible air bubbles etc, shall be avoided.
(iii)	Where brush painting is accepted, the paint must be applied by means of flat brushes not more than 75mm in width having soft flexible bristles conforming to IS:384.
(iv)	Round and oval brushes of approved quality conforming to IS:487 may also be used as per the instructions of the Engineer or his representative or inspecting officer.
(v)	All new brushes should be soaked in raw linseed oil conforming to IS:77 for at least 24 hours before use.
(vi)	A little blue paint shall be added, in the first coat of aluminium paint to distinguish it from second coat. For paints of other colours for final and finishing two coats, suitable pigment shall be used as per instruction of the Engineer, to distinguish the first coat from the second coat.
(vii)	The date of painting shall be marked with paint on the member.
6.8	CARE DURING PAINTING
	Paint should be mixed in small quantities sufficient to be consumed within one hour in the case of red lead paint. The applied coat of paint shall be uniform, and free from brush marks, sack marks, blemishes, scratching, non-uniform thickness, holes, log marks, fuel staining, cracking, scaling and other defects. Paint shall be applied only on dry and clean surface free from moisture or dust(including scrapping dust).Paint should be used within the prescribed shelf life from the date of manufacture.
6.9	Each coat of paint shall be left dry till it sufficiently hardens before the subsequent coat is applied. Each coat of paint shall be inspected by the Engineer or Inspecting Officer and certified as satisfactory before applying subsequent coat.

(A.J.KANDIR)
AM(M&P)

SCOPE OF WORK

1.0	JOB CONTENT: (IN GENERAL, BUT MAY NOT BE LIMITED TO)
A)	SAND BLASTING, METALLIZING & PAINTING (3 Coats i.e. One Coat each of Wash Primer to IS: 5666, Zinc Chrome Primer to IS: 104 & Aluminium Paint to IS:2339) of following <u>FLOOR AND DECK SYSTEM OF OPEN WEB GIRDERS</u> with Aluminium spraying of 150 micron nominal thickness and minimum 115 micron local thickness by Aluminium wire method after preparing surface by sand/grit blasting as per provision laid down in Appendix-VII of IRS Code - B1-2001 (Latest alteration) & relevant specification, schedule of painting enclosed herewith.
i)	<u>RAIL DECK COMPLETE</u> comprising of Cross Girders, Stringers, Bottom Lateral and the connecting Bracings, Bottom Chord, all the connecting Gussets etc.
ii)	<u>ROAD DECK</u> : comprising of Cross Girders & Stringers (excluding top of top flange), and the connecting Gussets etc.
iii)	<u>QUANTITY</u> Approx. Floor member area per span = 9,000.00 Sq. M Total area for 10 spans = 90,000.00 Sq.M
B)	SAND BLASTING, PAINTING (3 Coats with one coat each of Zinc Chrome Primer to IS:104 , Red Oxide Zinc Chrome to IS:2074 & Aluminium Paint to IS: 2339) of following <u>OTHER COMPONENTS OF OPEN WEB GIRDERS</u> other than those in floor and deck system after preparing surface by sand/grit blasting as per provision laid down in Appendix-VII of IRS Code - B1-2001 (Latest alteration) & relevant specification, schedule of painting enclosed herewith.
i)	<u>OTHER COMPONENTS OF OPEN WEB GIRDERS</u> : comprising of Top Chords, Verticals, Diagonals, End Raker, Portal Bracing, Knee Bracing, Top Lateral Bracing, Top Cross Girder & Gussets etc. and any other components not covered under clause 1.0 (A) above.
ii)	<u>QUANTITY</u> Approx. Floor member area per span = 9,000.00 Sq. M (APPROX.)/SPAN Total area for 10 spans = 90,000.00 Sq.M
B)	THE SCOPE OF WORK ALSO INCLUDES THE FOLLOWING:
i)	Establishing Sub-contractor's own Site Office, Store, <u>SHEDS FOR SAND BLASTING, METALLIZING & PAINTING AS REQUIRED</u> , Security arrangement at Ganga Bridge Site duly approved by Engineer-In-Charge/ BBJ, Ganga bridge site.

SCOPE OF WORK

ii)	Making necessary arrangement at site to ensure all safety and security of site personnel, Plant & Machineries, material etc.
iii)	Erection and establishment of Secured Temporary Arrangement to ensure environmental protection and to enable work during extreme weather condition as far as possible. The above arrangement must be approved by Engineer-In-Charge/BBJ, Ganga bridge site.
iv)	Receipt of fabricated members from BBJ at Metallising/ Painting Yard and laying /stacking the items properly
v)	Sand Blasting/Metallising/Painting as per requirement and as per technical specification.
vi)	Marking on the members as per instructions of Engineer-In-Charge/BBJ, Ganga bridge site
vii)	To undertake all testing as specified in the Technical Specification of this tender document.
viii)	Arranging necessary inspection and getting the subject work approved by BBJ/E.C. Railway or their Authorized Representative.
ix)	Facilitating lifting and despatch of members after painting.
(C)	<u>SCOPE OF SUPPLY OF THE SUB-CONTRACTOR</u> (TO BE INCLUDED IN THE QUOTED PRICE)
i)	ALL LABOUR, PLANTS & MACHINERIES, TOOLS AND TACKLES required for execution of the subject work.
ii)	SUPERVISION for the subject work.
iii)	SAND.
iv)	METALLISING WIRE (to be procured from manufacturers approved by BBJ/ E.C.Railway).
v)	All consumables like spray, paint brush whatsoever required for proper execution of the work.
vi)	Fuel, Lubricant etc. to run the Plant and Machineries and other works.
vii)	Supplying Manufacturer's Test Certificates for metallising wire.
(viii)	Providing thickness measuring gauge as specified in Technical Specification of this tender document.
2.0	FREE SUPPLY OF MATERIAL/FACILITES BY BBJ TO SUB-CONTRACTOR FOR METALLISING/PAINTING WORK AT GANGA BRIDGE SITE:

SOW-3**SCOPE OF WORK**

i)	BBJ will provide free of cost SUITABLE LAND near bridge site for setting up Sub-Contractor's Metallising/Painting yard and store. Land will be also given to the sub-contractor free of cost for setting up site office / store.
ii)	BBJ will provide SHEDS FOR MATALLISING/PAINTING at site.
ii)	FREE WATER at one point near site.
iii)	POWER for site lightning at free of cost will be provided to the Sub-Contractor. However, no power will be provided to the sub-contractor for compressor.
IV)	All PAINT except metallising wire.

(A.J.KANDIR)
AM(M&P)

SPECIAL CONDITION OF THE CONTRACT

1.	<u>JOB CONTENT:</u>
a)	SAND BLASTING, METALLIZING & PAINTING (3 Coats i.e. one coat each with Wash Primer, Zinc Chrome Primer & Aluminium Paint) of FLOOR AND DECK MEMBERS OF OPEN WEB GIRDERS - RAIL DECK & ROAD DECK - 9,000.00 SQ.M (approx.) PER SPAN as per Technical Specification and Drawing enclosed.
b)	SAND BLASTING, PAINTING (3 Coat with Wash Primer, Zinc Chrome Primer & Aluminium Paint) of COMPONENTS OF OPEN WEB GIRDERS OTHER THAN FLOOR AND DECK MEMBERS - 9,000.00 Sq.M (approx) /SPAN as per Technical Specification and Drawing enclosed.
2.	<u>DRAWINGS & SPECIFICATIONS:</u> B.B.J. reserves the right to alter / modify the design / drawing / specification to suit to their condition. If due to change in design / drawing / specification, there is any increase / decrease in items / quantities or both, payment will be made only for actual area of Metallising/Painting work and certified by BBJ/ BBJ's Client / their authorised representatives.
3.	<u>DATE OF COMMENCEMENT:</u> The date of commencement will be considered the date of issue of LETTER OF INTENT (LOI) .
4.	<u>DELIVERY SCHEDULE:</u>
a)	The Sub-Contractor has to start mobilizing plant, machinery, manpower including setting up of Office, Store at site in such a manner that actual metallising/painting work can be started at site within 15 days from the date of LOI.
b)	The metallising/painting work are to be completed in all respect within a time frame of 24 (TWENTY FOUR) months including monsoon from the date of commencement as stated above. This includes the Mobilization Period.
5.	<u>MILESTONE DATES:</u>
a)	Mobilization as specified to be completed within 15 (fifteen) days from the date of issue of LOI by BBJ.
b)	Metallising/Painting of 1 st Span to be completed in all respect within 12 WEEKS (TWELVE WEEKS) days from the date of commencement.

SPECIAL CONDITION OF THE CONTRACT

6.	<u>PROGRAMME & PROGRESS:</u>
a)	Within 7 (seven) days from the receipt of LOI/Order from BBJ, the Sub-Contractor has to submit a detailed programme with deployment schedule as per required time frame and get it approved by BBJ. This approved programme will constitute the Base Programme.
b)	Within 3 rd of every month, the Sub-Contractor has to submit to Site-In-Charge/BBJ, Ganga Bridge Site a detail PROGRESS REPORT in comparison to the BASE PROGRAMME and also the proposal to overcome the shortfall from the targeted production programme, if any.
c)	In this context, it may be noted that in case it is required to arrange additional resources to make good the backlog and adhere to time limit of BASE PROGRAMME, the Sub-Contractor has to arrange the same without any extra cost to BBJ.
7.	<u>INSPECTION & TESTING :</u>
a)	Inspection of Metallising/Painting will be done by BBJ/E.C.Railway and or Authorised Representative of E.C.Railway/RDSO and the Sub-Contractor is required to get the Metallising/Painting work passed through BBJ/E.C.Railway/their Authorised representative.
b)	The metal coating shall be checked for thickness by an approved magnetic thickness measuring gauge.
c)	The calibration of gauge should be checked against a standard of similar thickness with an accuracy of 10 percent.
8.	<u>MEASUREMENT:</u> Irrespective of whatever written in this tender documents, measurement of works for payment will be as per approved Drawings of BBJ/E.C. Railway.
9.	<u>EARNEST MONEY:</u> The Earnest Money deposit of the successful bidder shall be retained towards part of the Security Deposit to facilitate the due and faithful fulfilment of the contract.
10.	<u>SECURITY DEPOSIT:</u>
a)	An amount equal to 5% (five) of the certified bill value of each R/A bill will be retained towards Security Deposit which will be released after completion of Maintenance /Defect Liability period.
b)	The Earnest Money of the successful bidder shall be converted to initial Security Deposit, as elaborated in Clause No.9 above.

SPECIAL CONDITION OF THE CONTRACT

c)	The Security Deposit deducted from the R.A. bills including initial Security Deposit will be released after completion of Defect Liability /Maintenance Period. The Security Deposit may be released against submission of B.G. of equivalent amount from any Nationalized Bank as per discretion of BBJ. The B.G. as mentioned above will be valid till the defect liability/ maintenance period of 12 (TWELVE) months from the date of completion of the entire work as per order.
11.	<u>DEFECT LIABILITY PERIOD /MAINTENANCE PERIOD</u> The Sub-Contractor shall fully guarantee all the materials /workmanship in scope of his supply/work to perform strictly in accordance with the specifications. The materials/workmanship shall be free from all defects. Should any material/workmanship not perform as intended or should materials and workmanship prove defective within a period of 12 (twelve) months from the date of completion of the work, the material/work shall upon notification of deficiency/ defect be promptly rectified by the Sub-contractor to the satisfaction of BBJ/E.C.Rly or any Inspection Agency nominated by E.C.Railway without any delay and at no extra cost to BBJ. If the Sub-contractor fails to effect proper replacement within a reasonable time of receipt of BBJ's notification to this effect, BBJ, shall be free to take such corrective action at the Sub-Contractor's risk and cost.
12.	<u>R.A.BILLS:</u> R.A. Bills will be submitted monthly along with Inspection Certificates and other relevant Documents.
13.	<u>SUBMISSION & PAYMENT OF BILLS:</u> All the bills as mentioned above are to be submitted at Site and the payments will be made from BBJ Head Office at Kolkata.
14.	<u>PAYMENT TERMS:</u>
a)	90% (ninety) against RA bill within 30 days from the date of submission of clear bill duly certified by Site-In-Charge/BBJ, Ganga Bridge Site along with relevant Inspection Certificates from E.C.RLY.
b)	10% after six months from the completion of job and on completion of the raw material accounting/reconciliation.
c)	Deduction on account of Security Deposit as per clause no.10 above will be effected from the above payments mentioned in clause no. 14(a) above.

SPECIAL CONDITION OF THE CONTRACT

15.	<u>PRICE VARIATION:</u> This is a fixed rate contract and no price variation / adjustment on any account is admissible during the tenure of the contract including extended time, if any, granted by BBJ. PRICE SHALL REMAIN FIRM FOR THE ENTIRE SCOPE OF WORK.
16.	<u>TAXES & DUTIES:</u> Sub-Contractor's price should include all taxes & duties applicable for execution of the subject work.
17.	<u>PAINT RECONCILIATION:</u>
a)	5% (Five) wastage will be allowed in consumption of paint or as agreed by BBJ.
b)	Any additional wastage over and above the allowable limit (to be decided by BBJ) will attract recovery from the Sub-contractor's RA Bill at the rate of the landed cost of the particular item of paint plus 5%.
c)	All the empty paint drums are to be returned to BBJ in good conditions.
d)	All monthly bills should accompany a reconciliation statement.
18.	<u>TIME EXTENSION:</u> If there is delay for reasons not attributable to the Sub-Contractor, BBJ, upon receipt of written request from the Sub-Contractor may extend the Milestone /Completion time as suitable and fit reasonable to BBJ. No extra claim (including escalation) of Sub-Contractor will be entertained in such cases of time extension being granted.
19.	<u>CLAIM/ EXTRA WORKS:</u>
a)	No claim will be tenable in case there is delay in providing services by BBJ.
b)	In case any extra works are to be carried out by the Sub-Contractor as per instructions of Site-In-Charge/BBJ, Ganga Bridge Site, the rate of the same will be derived:
i)	From the rate of the existing similar items;
ii)	In case no similar items are available in the contract, from existing market cost followed by an overhead and profit of 10%.
iii)	However, BBJ's decision for the above will be final and binding on the Sub-Contractor in this regard.

SPECIAL CONDITION OF THE CONTRACT

20.	IDLE CHARGES: NO IDLE CHARGES for Labour, Plant, Establishment etc. is tenable under this contract for whatsoever the reasons be.
21.	<u>SUB-LETTING:</u> The Sub-contractor shall not sub-let any part of the job as detailed in the Scope of Work of this tender document. In case it is felt absolutely necessary, the same may be allowed subject to prior written approval from Site-In-Charge/BBJ, Ganga Bridge Site.
22.	<u>LIQUIDATED DAMAGE:</u> Failure to achieve overall completion (Clause No. 4 & 18 of SCC): 0.5% (half) of the Sub-Contractor value per week subject to a maximum of 05% (five) of the total Sub-Contract value.
23.	<u>ARBITRATION</u> In the event of any questions arising out of the Contract or ancillary/ incidental to the terms and conditions of it or relate to any matter for execution and/or performance of the contract, the same shall ipso-facto be referred to the appropriate Authority and the interpretation made by the said authority shall be final and binding upon the parties. Notwithstanding the above, should there be any, disputes or differences by and between the parties arising out of any thing under the contract, the same within 30 days of its occurrence shall first be referred to the said authority for conciliation and/or determination by the said authority if at all any disputes or difference is existing, the findings of the said authority should be accepted by parties to the contract, communicated in writing within the next following 30 days of making reference to it. Nevertheless, the parties at their sole option shall within the next following 30 days choose to refer or cause the matter to be referred to the Arbitrator of Person in writing, whereupon the appropriate Authority shall within two weeks hence shall take steps for appointment of Arbitrator of Person from amongst the officers whether or not connected in the matter and the same shall be communicated in writing to the parties making reference within the

SPECIAL CONDITION OF THE CONTRACT

23.	next following two weeks and the same shall be final and binding upon the parties. The Arbitrator shall enter into the reference by appropriate notice of communication to be served or cause the said notice to be served upon the parties summoning the respective parties to attend the proceedings at the date time and venue. The proceedings of Arbitration shall be at per with the Arbitration and Conciliation Act 1996 as amended up to date and jurisdiction of the matter shall be with in the appropriate Courts of Kolkata. Acceptance of Order/ LOI of the concerned agency shall be deemed to be the Free Consent given by party under the law towards execution of these covenants under the Contract of Arbitration.
24.	<p><u>RISK PURCHASE</u> <u>TERMINATION OF CONTRACT</u></p> <p>a) If the Sub-Contractor persistently disregard the instructions of BBJ/ E.C.RLY or whatever any of the providers of the contract and fails to adhere to the agreed programme by a margin of 10% (Ten) of the stipulated period or failed to deploy competent or additional staff and labourers as required by BBJ for project crashing, BBJ shall be at liberty terminate the contract in full or part as would be applicable by issuing first seven days and then 48 hours notice.</p> <p>b) In case of failure to complete the erection as per requirement and within the stipulated completion period, B.B.J. reserves the right to cancel the order, either in part or full as the situation demands and get the work done by deploying other agency / agencies. Additional cost if incurred shall be recovered from the Sub-Contractor's bill and Security Deposit.</p>
25.	<p><u>JURISDICTION OF COURT</u></p> <p>The Courts at Kolkata shall have the exclusive jurisdiction to try all disputes, if any, arising out of this agreement between the parties.</p>
26.	<p><u>GENERAL</u></p> <p>In case certain clauses of SCC and GCC are found identical, the clause of SCC will prevail. However, if during the course of execution of job some development occurs and areas not covered elsewhere, the RELEVANT CLAUSES OF G.C.C will be applicable.</p>

(A.J.KANDIR)
AM(M&P)

ANNEXURE-ILIST OF DEVIATIONS

SL. NO.	BBJ NIT TENDER CLAUSE NO.	BIDDER'S DEVIATED CONDITIONS
(1)	(2)	(3)
1.		
2.		
.		
.		
.		
.		

NOTE: IN CASE OF NO DEVIATIONS FROM BBJ TENDER CONDITIONS, THE TENDERER MUST STRIKE OUT THE COLUMN (3) ABOVE & WRITE NIL DEVIATION;

TENDERER(S)BBJ

ANNEXURE-II

FORMAT

CERTIFICATE

(ON COMPANY LETTER HEAD)

REF.:

DATE:

SUB: DEPLOYMENT OF WORKMEN AT GANGA BRIDGE SITE, MUNGER(BIHAR)

REF.: BBJ WORK ORDER NO. DATED

This is to certify that we have complied with all the Statutory Obligation for our workmen engaged for the subject work which includes payment of Minimum Wages, P.F. & E.S.I. contribution and other benefits as per prevailing Labour Laws and other Statutes/Rules in the State of Bihar.

We hereby indemnify our employer M/s. The Braithwaite Burn & Jessop Construction Company Limited regarding compliance of all Statutory requirement of Labour Laws as stated above. M/s. The Braithwaite Burn & Jessop Construction Company Limited will have no responsibility in this regard.

(Authorized Signatory)
Signature with Office Seal

TENDERER(S)

BBJ

CHECK LIST

ANNEXURE-III

SL. NO.	DESCRIPTION	REMARKS	DOCUMENTS ATTACHED BY THE BIDDER
1.	TECHNO-COMMERCAIL BID		
a)	The Tender shall be signed by the person legally authorized to enter into commitment on behalf of the Tenderer.	A Letter in this effect to be submitted by the bidder.	
b)	Cost of Tender Document	Original D.D./ Pay order or Photo-copy of BBJ's Money receipt to be attached.	
c)	The Original / Downloaded Tender document including original drawing and relevant extracts of contract document between BBJ and Railways issued to the bidders (Excluding BILL OF QUANTITY-BOQ) duly signed and sealed in each page.	All the documents to be signed and sealed with company' seal.	
d)	Documents in support of ELIGIBILITY CRITERIA as mentioned in Clause No.3 above.	All the documents to be signed and sealed with company' seal.	
e)	Copy of PAN number and VAT registration number should be furnished along with the Techno-commercial bid.	All the documents to be signed and sealed with company' seal.	
f)	Copy of P.F/ESI registration certificate.	All the documents to be signed and sealed with company' seal.	
g)	Company's audited Balance Sheet for last 3 (three) years.	Last three years audited balance sheet to be attached.	

CHECK LISTANNEXURE-III

PAGE-2

h)	Earnest Money Deposit (EMD) of Rs.1,00,000/= (Rupees one lakh only), in the form of pay order/ demand draft from a Nationalized Bank drawn in favour of "The Braithwaite Burn and Jessop Construction Co. Ltd." and payable at Kolkata.	Original E.M.D. to be attached.	
i)	LIST OF DEVIATIONS duly filled as per BBJ format.	To be submitted as per BBJ format duly signed & sealed.	
2.	PRICE BID		
a)	Properly filled up BILL OF QUANTITY (BOQ-1 & BOQ-2) issued to the bidders in the tender document duly sealed and signed	Original BOQ (BOQ-1 & BOQ-2) duly signed and sealed	

PRICE PART

BILL OF QUANTITIES**BOQ-1** (AS PER APPENDIX-VII OF IRS CODE:B1-2001 AND TECHNICAL SPECIFICATION TS-1 TO TS-4)

SL. NO.	DESCRIPTION OF WORK	UNIT	QUANTITY	RATE (IN FIG. & WORDS) (Rs.)	AMOUNT (IN FIG. & WORDS) (Rs.)
1	<p>SAND BLASTING, METALLIZING & PAINTING (3 COATS i.e. ONE COAT EACH WITH WASH PRIMER, ZINC CHROME PRIMER & ALUMINIUM PAINT) OF FLOOR MEMBERS OF OPEN WEB GIRDERS – RAIL DECK & ROAD DECK)</p> <p>RECEIPT OF FABRICATED MEMBERS / STEEL FROM BBJ, LAYING, SAND BLASTING, METALLISING, APPLICATION OF ONE COAT EACH WITH WASH PRIMER, ZINC CHROME PRIMER AND ALUMINIUM PAINT TO REQUIRED THICKNESS, ARRANGING INSPECTION, GETTING APPROVAL, MARKING, FACILITATING LIFTING AND DESPATCH OF PAINTED MEMBERS INCLUDING ALL LABOUR, CONSUMABLES, PLANT, MACHINERIES, TOOLS & TACKLES, SUPERVISION ETC. TAXES & DUTIES ALL COMPLETE AS PER TECHNICAL SPECIFICATION, TERMS & CONDITIONS OF THIS TENDER, INSTRUCTIONS OF BBJ /E.C.RAILWAY / THEIR AUTHORISED REPRESENTATIVE</p>	SQ.M	90,000.00 (approx.)		

(A.J.KANDIR)
AM(M&P)TENDERER(S)BBJ

BILL OF QUANTITIES**BOQ-2** (AS PER APPENDIX-VII OF IRS CODE:B1-2001 AND TECHNICAL SPECIFICATION TS-1 TO TS-4)

SL. NO.	DESCRIPTION OF WORK	UNIT	QUANTITY	RATE (IN FIG. & WORDS) (Rs.)	AMOUNT (IN FIG. & WORDS) (Rs.)
1	<p>SAND BLASTING, PAINTING (3 COATS i.e. ONE COAT EACH WITH ZINC CHROME PRIMER, RED OXIDE ZINC CHROME & ALUMINIUM PAINT) OF OTHER COMPONENTS OF OPEN WEB GIRDERS</p> <p>RECEIPT OF FABRICATED MEMBERS / STEEL FROM BBJ, LAYING, SAND BLASTING, APPLICATION OF ONE COAT EACH WITH ZINC CHROME PRIMER, RED OXIDE ZINC CHROME AND ALUMINIUM PAINT TO REQUIRED THICKNESS, ARRANGING INSPECTION, GETTING APPROVAL, MARKING, FACILITATING LIFTING AND DESPATCH OF PAINTED MEMBERS INCLUDING ALL LABOUR, CONSUMABLES, PLANT, MACHINERIES, TOOLS & TACKLES, SUPERVISION ETC. TAXES & DUTIES ALL COMPLETE AS PER TECHNICAL SPECIFICATION, TERMS & CONDITIONS OF THIS TENDER, INSTRUCTIONS OF BBJ/ E.C. RAILWAY / THEIR AUTHORISED REPRESENTATIVE</p>	SQ.M	90,000.00 (approx.)		

(A.J.KANDIR)
AM(M&P)TENDERER(S)BBJ

GENERAL CONDITION OF THE CONTRACT

1.0	<u>DEFINATION:</u> In the contract, as hereinunder defined, the following words and expressions shall have the meanings hereby assigned to them, except where the context otherwise requires:-
i)	"OWNER" shall mean the Authority through whom the project is being financed.
ii)	The "ACCEPTING AUTHORITY" shall mean the MANAGING DIRECTOR, BBJ, 27, R.N. MUKHERJEE ROAD, KOLKATA - 700 001, AS THE CASE MAY BE.
iii)	"OWNER"/"CLIENT" means EAST CENTRAL RAILWAY or their authorized representative.
iv)	The "SUB-CONTRACT" shall mean the notice inviting the tender, the tender and acceptance thereof and the formal agreement if any, executed between B.B.J. and Sub-Contractor together with the documents referred to therein including these conditions with appendices and any schedule of items, quantities and rates. All these documents taken together shall be deemed to form one contract and shall be complementary to one another.
v)	The "TENDER DOCUMENT" means the form of tender, the applicable schedule and/or additional conditions, the conditions and the specifications and /or drawings as referred to in the tender documents and as may be referred for the execution of works.
vi)	The "Works" shall mean the works to be executed in accordance with the contract or part(s) thereof as the case may be and shall include all extras of additional, altered or substituted works or temporary and urgent works as required for performance of the Sub-Contractor.
vii)	The "SUB-CONTRACTOR"/"AGENCY" shall mean individual or firm or company whether incorporated or not, undertaking the works and shall include legal representatives or such individual or persons composing such firm or unincorporated company, or successors of such firm or company as the case may be and permitted assigns of such individual or firm or company.
viii)	The "SUB-CONTRACT VALUE" shall mean the cost of works shown in the schedule of quantities as will be arrived on the basis of item rate quoted by the tenderers for various items.
ix)	A "DAY" shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked in the day.

GENERAL CONDITION OF THE CONTRACT

x)	"ENGINEER-IN-CHARGE" or "SITE-IN-CHARGE" shall mean the Engineering Officer appointed by BBJ or his duly authorized representative who shall direct, supervise and be In-Charge of the works for purposes of this contract.
xi)	"FORCE MAJEURE" shall mean war, invasion, revolution, riots, sabotage, lockouts, strikes, work shutdowns imposed by Government Acts or Legislature or other authorities, act of God, epidemics, fires, earth-quakes, floods, explosions or any other acts or events whatsoever which are beyond the control of the Sub-Contractor and which shall directly or indirectly prevent the execution of work within the time specified in the agreement.
xii)	"SCHEDULE(S)" referred to in these condition shall mean the relevant schedule(s) of work and quantity annexed to the tender papers by B.B.J. or the standard schedule of rates prescribed by B.B.J. and the amendments thereto issued from time to time.
xiii)	The "SITE" shall mean the lands and/or other places on/under/in or through which the work is to be executed under the contract including any other lands or places provided by BBJ for the purpose of execution of the contract.
xiv)	"TEMPORARY WORKS" shall mean all the temporary works of every kind required for the execution, completion or maintenance of the work.
xv)	"URGENT WORKS" shall mean any urgent measures which in the opinion of the Engineer-In-Charge, becomes necessary during the progress of the work to obviate any risk of accident or failure or which become necessary for security.
xvi)	A "WEEK" shall mean seven days without regard to the number of hours worked in any day in that week.
xvii)	"APPROVED" and "DIRECTED" means the approval or direction of the Managing Director, B.B.J. or the person authorized by him for the particular purpose.
xviii)	The "DATE OF COMPLETION" is the date or dates for completion of the work or any part of the works set out in or ascertained in accordance with the individual work order and the tender documents or any subsequent agreed agreement thereto.

GENERAL CONDITION OF THE CONTRACT

xix)	"SPECIFICATION" shall mean the specifications for materials of work in the special condition or in drawings. "Drawings" shall mean the maps, drawings, plans and tracings or prints thereof annexed to the contract and shall include any modification of such drawings and further drawings as may be issued by the Engineer-In-Charge from time to time.
xx)	"CONSTRUCTIONAL PLANT" shall mean all appliances or things of whatsoever nature required for the execution, completion or maintenance of the works or temporary works (as hereinbefore defined) but does not include materials or other things intended to form or forming part of the permanent work.
xxi)	"PERIOD OF MAINTENANCE" shall mean the specified period of 12 (Twelve) months maintenance from the date of completion of the Works certified by the Engineer-In-Charge.
xxii)	Words importing the singular number shall also include the plural and vice-versa where the context requires.
xxiii)	The headings and marginal headings in these general conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.
xxiv)	"COST"- The word cost shall be deemed to include all costs related to establishment, labour, material, transport, all taxes duties octroi and levies etc.
2.0	<u>EXPERIENCE CRITERIA:</u> The tenderer must have adequate past experience of work of similar nature, the documentary evidence of which need to be furnished along with the bid documents.
3.0	<u>SUBMISSION OF BID:</u> The Tender should be submitted in a two bid system with the following manner :
i)	<u>TECHNO-COMMERCIAL BID:</u> The techno-commercial bid should be submitted in a sealed envelope duly signed and sealed super-scribing "TECHNO-COMMERCIAL BID" and also name of the job, tender reference and name of the bidder and the following documents to be enclosed:- <ul style="list-style-type: none"> • RELEVANT DOCUMENTS CERTIFYING "EXPERIENCE CRITERIA".

GENERAL CONDITION OF THE CONTRACT

i)	<ul style="list-style-type: none"> • INCOME TAX CLEARANCE CERTIFICATE. • SALES TAX CLEARANCE CERTIFICATE. • SOLVENCY CERTIFICATE FROM BANKER TO BE ENCLOSED. • DETAILS OF SIMILAR WORK DONE DURING LAST 3 YEARS INDICATING NAME OF CLIENT, DESCRIPTION OF WORK, VALUE OF WORK AND YEAR OF COMPLETION. • EARNEST MONEY DEPOSIT. • A DETAIL MONTH WISE SCHEDULE OF DEPLOYMENT OF PLANTS, MACHINERIES AND DIFFERENT CATEGORIES OF MANPOWER. • A DECLARATION THAT IN CASE THE JOB IS AWARDED, THE SUB-CONTRACTOR WILL EXECUTE THE JOB IN STRICT COMPLIANCE OF THE PROVISIONS OF THIS TENDER AND WITHOUT ANY DEVIATION.
ii)	<p><u>PRICE BID:</u> The tender document issued to the Tenderer should be submitted duly signed and sealed on all the pages by the Sub-Contractor completed in all respects including properly filled up “BILL OF QUANTITY”. All rates quoted should be in figures as well as words neatly written in proper space. All documents along with “BILL OF QUANTITY” should be enclosed in one envelope super-scribing “PRICE BID” and also the name of the job, tender reference and name of the bidder, duly sealed with sealing wax.</p>
4.0	<p>BBJ reserve the right to accept or reject any tender either wholly or partly or to distribute the work among more than one tenderers without assigning any reason whatsoever.</p>
5.0	<p><u>EXECUTION OF WORK:</u></p>
a)	<p><u>SUB-CONTRACTOR’S UNDERSTANDING:</u> It is understood and agreed that the Sub-Contractor has by careful examination, satisfied as to the nature and location of the work, the configuration of the ground, the character, quality and quantity of the materials to be encountered, the character of equipment as facilities needed preliminary to and during the execution of the works, the general and local conditions, availability of materials, the labour conditions prevailing therein and all other matters which can in any case affect the work under the contract.</p>

GENERAL CONDITION OF THE CONTRACT

b)	<u>COMMENCEMENT OF WORK:</u>
i)	The date of commencement will be considered-the date of issue of LOI/Date of issue of 1 st Set of detail drawings/ date of issue of 1 st lot of steel whichever is later. If the Sub-Contractor commits default in commencing execution of the work as aforesaid, B.B.J. shall, without prejudice to any other right or remedy, be at liberty to forfeit the earnest money absolutely.
ii)	No compensation shall be allowed for any delay caused in the starting of the work on account of any acquisition of land or delay in according sanction to estimates or drawings etc. or issuing drawings.
c)	<u>COMPLIANCE TO ENGINEER-IN-CHARGE'S INSTRUCTIONS:</u> The Engineer-In-Charge shall direct the order in which the several parts of the works shall executed and the Sub-Contractor shall execute without delay all orders given by the Engineer-In-Charge from time to time but the Sub-Contractor shall not be relieved thereby from responsibility for the due performance of the works in all respects.
d)	<u>ALTERATIONS TO BE AUTHORISED:</u> No alterations or addition to or omission or abandonment of any part of the works shall be deemed authorised except under instructions from the Engineer and the Sub-Contractor shall be responsible to obtain in writing such instruction in each and every case.
e)	<u>EXTRA WORKS:</u> Should works over and above those included in the contract require to be executed at the site, the Sub-Contractor shall have no right to be entrusted with the execution of such works which may be carried out by another Sub-Contractor or Sub-Contractors or by any other means at the option of BBJ.
f)	<u>VARIATION IN QUANTITIES:</u>
i)	The B.B.J. reserves the right to alter the designs and drawings. If due to change in the drawing or design or for other reasons, there be variations, resulting in increase or decrease in quantities, payment will be made only for the actual quantities executed at the ordered rates. If there be sufficient cause, the B.B.J. may grant extension of the date of completion suitably. Such circumstance, shall in no way affect or vitiate the contract or alter the character thereof, or entitle the Sub-Contractor to damages or compensation there for except as provided for in this contract.

GENERAL CONDITION OF THE CONTRACT

ii)	BBJ reserves the right to split the total quantity of work as mentioned in the B.O.Q. among 2 (two) or more agencies depending on the situation. The Agency cannot object or be entitled to any claim in the event of reduction in the actual quantity.
iii)	In the event of any reduction in the quantity OR OMISSION OF ANY ITEM IN THE B.O.Q. to be executed for any reasons whatsoever, the Sub-Contractor shall not be entitled to any compensation, but shall be paid only for the actual amount of work done.
iv)	The rate quoted by the bidder will stand unchanged in case of variation (+ or -) of quantities upto any extent.
v)	The quantities of each item of work furnished in the schedule are approximate and are intended for the guidance of tenderers / Sub-Contractors. In actual execution of work there may be some increase in the quantities specified, such variation shall in no degree effect the validity of the contract and it shall be performed by the Sub-Contractor as provided therein and be subject to the same conditions, stipulations and obligations originally and expressly included and provided for in the specifications and drawings and the amounts to be paid therefore shall be calculated in accordance with the accepted schedule of rates.
g)	<u>SEPARATE CONTRACTS IN CONNECTION WITH WORKS:</u> The B.B.J. shall have the right to let out our contracts in connection with the works. The Sub-Contractor shall afford to the other Sub-Contractors reasonable opportunity of storage of their materials and the execution of their work and shall properly connect and co-ordinate his work with theirs. If any part of the Sub-Contractor's work depends on proper execution or depends upon the work of another Sub-Contractor, the Sub-Contractor shall inspect and promptly report to the Engineer-In-Charge any defects in such work that render it unsuitable for proper execution of his portion of work. The Sub-Contractor's failure to so inspect or so report shall constitute an acceptance of the Sub-Contractor's work. However, for defect/defects, which may develop in the other Sub-Contractor's work after the execution of his work, he will be not responsible.
h)	<u>INSTRUCTIONS OF ENGINEER-IN-CHARGE'S REPRESENTATIVE:</u> Any instructions or approval given by the Engineer-In-Charge's representative to the Sub-Contractor in connection with the work shall

GENERAL CONDITION OF THE CONTRACT

h)	bind the Sub-Contractor as though it had been given by the Engineer-In-Charge provided as follows:-
i)	Failure of the Engineer-In-Charge's representative to disapprove any work or materials shall not prejudice the power of the Engineer-In-Charge, thereafter, to disapprove such work of materials and to order the removal or breaking up thereof.
ii)	If the Sub-Contractor shall be dissatisfied by reasons of any decision of the Engineer-In-Charge's representative, he shall be entitled to refer the matter to the Engineer-In-Charge, he shall thereupon confirm or alter/modify such decisions.
i)	<u>ADHERENCE TO SPECIFICATION AND DRAWINGS:</u> The whole of the works shall be executed in conformity with the specifications and drawings. If the Sub-Contractor performs any work in a manner contrary to the specifications or drawings or both without obtaining the approval of the Engineer-In-Charge he shall bear all the consequences and costs arising or ensuing therefrom, and shall be responsible for all loss to B.B.J. and their client.
j)	<u>DRAWINGS AND SPECIFICATION OF THE WORKS:</u> The Sub-Contractor shall keep one copy of drawings and specifications at the site, in good order and such other contract documents as may be necessary to the Engineer-In-Charge and or the Engineer-In-Charge's representative.
k)	<u>OWNERSHIP OF DRAWINGS AND SPECIFICATIONS:</u> All drawings and specifications and copies thereof furnished by B.B.J. to the Sub-Contractor are deemed to be the property of B.B.J. They shall not be used on other works, and with the exception of the signed contract, shall be returned by the Sub-Contractor to B.B.J. on completion of the works or termination of the contract.
l)	<u>SHEDS, STORE HOUSES AND YARDS:</u> The Sub-Contractor shall on his own expense shall provide himself with sheds, storehouses and yards in such situations and in such numbers as in the opinion of the Engineer-In-Charge is requisite for carrying out the works and the Sub-Contractor shall keep at each of such sheds, storehouses and yards, a sufficient quantity of material and plant in much as not to delay the carrying out of the works with due expedition and the Authorized Representative/Engineer-In-Charge and the

GENERAL CONDITION OF THE CONTRACT

l)	<p>Engineer-In-Charge's Representative shall have free access to the said sheds, storehouse and yards at any time for the purpose of inspecting the stock of materials and plant so kept in hand and any materials or plant which the Engineer-In-Charge may object to shall not be brought upon or used in works, but shall be forthwith removed from the sheds, storehouses or yards by the Sub-Contractor. The Sub-Contractor shall at his own expense provide and maintain suitable mortar mills, soaking vats steel treatment bath or any other equipment necessary for the execution of the work.</p>
m)	<p><u>PROVISION OF EFFICIENT AND COMPETENT STAFF:</u> The Sub-Contractor shall place and keep on the works at all times efficient and competent staff to give necessary directions to his workmen and to see that they execute their work in sound and proper manner and shall employ only such supervisors, workmen and labours, in or about the execution of any of the works as are careful and skilled in their various trades and callings. The Sub-Contractor shall at once remove from the works any agent, permitted sub-Sub-Contractor, supervisor, workmen or labourer who shall be objected to by the Engineer-In-Charge and if and whenever required by the Engineer-In-Charge he shall submit correct return showing the names of all staff and workmen as necessary for the proper completion of the works within the time prescribed. The Sub-Contractor shall forthwith on receiving intimation to this effect take on the additional number of staff and labour specified by the Engineer-In-Charge within seven days of being so required and failure on the part of the Sub-Contractor to comply with such instruction will entitle the B.B.J. to rescind the Sub-Contractor under these conditions.</p>
n)	<p><u>WORKMANSHIP AND TESTING:</u> The whole of the work and/or supply of materials specified and provided in the contract or that may be necessary to be done in order to form and complete any part thereof shall be executed in the best and most substantial workman - like manner with materials of the best and most approved quality of their respective kinds agreeable to the particulars contained in or implied by the specifications and as referred to in and represented by the drawings or in such other additional particulars,</p>

GENERAL CONDITION OF THE CONTRACT

n)	instructions and drawings as may be found requisite to be given during the carrying out of the works to the entire satisfaction of the Engineer-In-Charge according to the instruction and direction which the Sub-Contractor may from time to time receive from the Engineer-In-Charge. The material may be subjected to test by means of such machines, instruments and appliances as the Engineer-In-Charge may direct and wholly at the expense of the Sub-Contractor.
o)	<u>REMOVAL OF IMPROPER WORK AND MATERIALS:</u> The Engineer-In-Charge or the Engineer-In-Charge's Representative shall be entitled to order from time to time
i)	the removal from the site within the time specified or any materials which in his opinion are not in accordance with the specifications or drawing.
ii)	the use of proper and suitable substitute materials in place of specified material if the same is not easily available or the substitute material is better and
iii)	the removal and proper re-execution (not withstanding any previous tests thereof or "on account" payments thereof) of any work which in respect of materials or workmanship is not in his opinion in accordance with the specifications
iv)	in case of default on the part of the Sub-Contractor in carrying out such order B.B.J. shall be entitled to rescind the contract under these conditions.
p)	<u>FACILITIES FOR INSPECTION:</u> The Sub-Contractor shall afford the Engineer-In-Charge and the Engineer-IN-Charge's representative and any other authorised representative of owners every facility for entering in and upon every portion of the work at all hours for the purpose of inspection or otherwise and shall provide all labours, materials, planks, ladders, pumps, appliances and things of every kind for the purpose and the Engineer and the representative shall at all times have free access to every part of the works and to all places at which materials for the work are stored or being prepared.
q)	<u>EXAMINATION OF WORKS: (BEFORE COVERING UP)</u> The Sub-Contractor shall give seven days notice to the Engineer-In-Charge or the Engineer-In-Charge's representative whenever any work or materials are intended to be covered up in the earth, in bodies or walls

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q)	or otherwise to be placed beyond the reach of measurement in order that the work may be inspected or that correct dimensions may be taken before being so covered placed beyond the reach of measurement in default whereof the same shall, at the opinion of the Engineer-In-Charge or the Engineer-In-Charge's representative, be uncovered and measured at the Sub-Contractor's expense or no payment shall be made for such work or materials.
r)	<u>TEMPORARY WORKS:</u> All temporary works necessary for the project execution of the works shall be provided and maintained by the Sub-Contractor and subject to the consent of the Engineer-In-Charge shall be removed by him at his expense when they are no longer required and in such manner as the Engineer-In-Charge shall direct. In the event of failure on the part of the Sub-Contractor to remove the temporary works, the Engineer-In-Charge will cause them to be removed and the cost as increased by supervision and other incidental charges shall be recovered from the Sub-Contractor. If temporary huts are provided by the Sub-Contractor on the land owned by client for labour engaged by him for the execution of the works, the Sub-Contractor shall arrange for handing over vacant possession of the said land after the work is completed, if the Sub-Contractor's labour refuse to vacate, and have to be erected by client, the expenses incurred by B.B.J. in connection therewith shall be borne by the Sub-Contractor. The Sub-Contractor shall, not construct any hutment an the client of Government land without the written approval of the Competent Authority.
s)	<u>RATES FOR ITEM OF WORKS:</u> The rates entered in the accepted schedule of rates of the contract are intended to provide for works duly and properly completed in accordance with the general and special (if any) conditions of contract and the specification and drawings together with such enlargements, extensions, diminutions, reductions, alterations or additions as may be ordered by the Engineer-In-Charge and as required without prejudice to the cenerality thereof and shall be deemed to include and cover superintendence and labour supply, including full freight of materials of stores, patterns, profiles, moulds, fitting, centerings, scaffoldings,

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s)	shoring props, timber, machinery, derricks, trucks, ropes, pegs, posts, tools and all apparatus and plant required on the works, except such tools, plants or materials as may be specified in the contract to be supplied to the Sub-Contractor by B.B.J, the erections, maintenance and removal of all temporary works and buildings and also the following:-
i)	All watching, lighting, bailing, pumping and draining.
ii)	All prevention of or compensation for trespass.
iii)	All barriers and arrangements for the safety of the public or of employees during the execution of works.
iv)	All sanitary and medical arrangements for labour camps as may be prescribed by the B.B.J. the setting of all work and of the construction, repair and upkeep of centre lines, bench marks and level pegs thereon site clearance.
v)	Cost of testing of materials supplied by the Sub-Contractor and provision of testing facilities for the compaction of soil if required.
u)	<u>HANDING OVER OF WORKS:</u> The Sub-Contractors shall be bound to handover the works executed under the contract to B.B.J. or any other authority so authorised by B.B.J. complete in all respect to the satisfaction of the Engineer-In-Charge. The Engineer-In-Charge shall determine, from time to time, the date on which the work is considered to have been completed, in support of which his certificate shall be regarded as sufficient evidence for all purposes. The Engineer-In-Charge shall determine from time to time the date on which any particular section of the work shall have been completed, and the Sub-Contractor shall be bound to observe any such determination of the Engineer-In-Charge.
v)	<u>CLEARANCE OF SITE ON COMPLETION:</u> On the completion of the works the Sub-Contractor shall clear away and remove from the site all construction plants surplus materials rubbish and temporary works of every kind and leave the whole of the site and works clean to the satisfaction of the Engineer-In-Charge. No final payment in settlement of the account of the work shall be made to the Sub-Contractor till that period in addition to any other condition necessary for such final payment, site clearance shall have been effected by him, and such clearance may be made by the Engineer-In-

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v)	Charge at the expense of the Sub-Contractor in the event of his failure to comply with this provision within seven days after receiving notice to that effect. Should it become necessary for the Engineer-In-Charge to have the site cleared at the expense of the Sub-Contractor, then B.B.J. shall not be liable for any loss or damage to such of the Sub-Contractor's property as may be on site due to such removal there from, which removal may be effected by means of public sale of such materials and property or in such a way as deemed fit and convenient to the Engineer-In-Charge.
w)	QUANTITIES IN SCHEDULE ANNEXED TO SUB-CONTRACT: The quantities set out in the accepted schedule of rates with items of works quantified are the estimated quantities of the works and they shall not be taken as the actual correct quantities of work to be executed by the Sub-Contractor in fulfilment of his obligation under the Sub-contract. However, BBJ reserves the right to reduce the quantity and in that event the agency will not have any claim for such reduction.
x)	MEASUREMENT OF WORKS: The Sub-Contractor shall be paid for the works executed in the accepted schedule of rates and according to the terms of payment of the contracts or the measurements taken by the Engineer-In-Charge or Engineer-In-Charge's representative in accordance with the relevant Indian Standard Specification. Code of practice. Such measurement will be taken of the work in progress from time to time and at such intervals as in the opinion of the Engineer-In-Charge shall be proper having regard to the progress of the works. The date and time on which the "On-Account" or final measurement are to be made shall be communicated to the Sub-Contractor who shall be present at the site and shall sign the results of the measurements (which shall also be signed by the Engineer-In-Charge or Engineer-In-Charge's representative) recorded in the official measurement book as an acknowledgement of his acceptance of the accuracy of the measurement. Failing the Sub-Contractor's attendance the work may be measured up in his absence and such measurements shall notwithstanding such absence, be binding upon the Sub-Contractor whether or not he shall have the measurement book.

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y)	<p>MAINTENANCE OF WORKS:</p> <p>The Sub-Contractor shall at all times during the progress and continuance of the works and also for the period of maintenance specified in the contract and after the date of passing of the certificate of completion by the Engineer-In-Charge or any other earlier date subsequent to the completion of the work that may be fixed by the Engineer-In-Charge be responsible for and effectually maintain and uphold in good substantial, sound and perfect condition all and every part of the works and shall make good from time to time and at all times as often as the Engineer-In-Charge shall require, any damage or defect that may, during the above period, arise in or be discovered or be in any way connected with the works, and the Sub-Contractor shall be liable for and shall pay and make good to the B.B.J. or other persons legally entitled thereto whenever required by the Engineer-In-Charge so to do, all losses, damages, costs and expenses they or any of them may incur or be put or be liable to, by reason or in consequence of the operations of the Sub-Contractor of his failure in any respect.</p>
z)	<p>CERTIFICATE OF COMPLETION OF WORK:</p> <p>As soon as in the opinion of the Engineer-In-Charge the works shall have been substantially completed and shall have satisfactorily passed any final test or tests that may be prescribed the Engineer-In-Charge shall issue a certificate of completion in respect of the works and the period of maintenance of the works shall commence from the date if such certificate.</p>
xvii)	<p>SUB-CONTRACTOR NOT ABSOLVED BY COMPLETION CERTIFICATE:</p> <p>The certificate of completion with respect of the works referred to in Sub-Clause (i) of this clause shall not absolve the Sub-Contractor from his liability to make good any defects, imperfections, shrinkage of faults which may appear during the period of maintenance arising in the opinion of the Engineer-In-Charge from materials or workmanship not in accordance with the drawings or specifications or construction defects. All such defects need to be amended and made good by the Sub-Contractor at his own cost and in case of default on the part of the Sub-Contractor, the Engineer-In-Charge may employ labour and materials, or appoint another Sub-Contractor to amend and make good such defects, imperfections, shrinkage and faults and all expenses consequent thereon and incidental thereto shall be borne by the Sub-Contractor and shall be recoverable from any money due to him under the contract.</p>

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6.0	<p><u>"ON ACCOUNT" PAYMENT:</u> The Sub-Contractor be shall entitled to be paid from time to time by way of "On Account" payments only for such works, as in the opinion of the Engineer-In-Charge, he has executed in terms of the contract. All payments be on the Engineer-In-Charge or the Engineer-In-Charge's representative's certificates of measurements shall be subjected to any deductions which may be made under these presents provided always that the Engineer-In-Charge may by any certificate made any correction or modification in any previous certificate which shall never have been be issued by him and that the Engineer-In-Charge may withhold any certificate if the works or any part thereof are not being carried out to his satisfaction.</p>
7.0	<p><u>ROUNDINS OFF AMOUNTS:</u> In the case of schedule of rates given in decimal coinage, individual items will not be rounded off, but the total amounts only, on each certificate, shall be rounded off to nearest rupee i.e. sum of less than 50 paise shall be omitted out and sums of 50 paise and more shall be reckoned as one rupee.</p>
8.0	<p><u>ON-ACCOUNT PAYMENTS NOT PREJUDICIAL TO FINAL SETTLEMENT:</u> "On Account" payments made to the Sub-Contractor shall be without prejudice to the final making up of the accounts (except where measurements are specifically noted in the measurement book as final measurements and as such have been signed by the Sub-Contractor) and shall in no respect be considered or used as evidence of any facts stated in or to be inferred from such accounts nor of any particular quantity or work having been executed nor of the manner of its execution being satisfactory.</p>
9.0	<p><u>MANNER OF PAYMENT:</u> Unless otherwise specified, payment to the Sub-Contractor will be made by cheque.</p>
10.0	<p><u>PAYMENT TO BE MADE BY BBJ.:</u> The Sub-Contractor shall on submitting a monthly bill be entitled to receive payment proportionate to the part of the work then approved and passed by the Engineer-In-Charge whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the Sub-Contractor. All such intermediate payments shall be regard as payments by way of advance against the final payments only and not as payments as work actually done and completed and shall not preclude the Engineer-In-Charge from requiring bad, unsound, imperfect or unskilful work to be dismantled and removed from the site and reconstructed, or re-erected as per</p>

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10.0	<p>specifications. No payment shall be considered as an admission of the due performance of the contract or any part thereof in any respect or the occurring of any claim, nor shall it conclude determine or affect in any way the powers of the Engineer-In-Charge as to the final settlement and adjustment of the contract. The final bill shall be submitted by the Sub-Contractor within one month of the date of the completion of work. The certificate of the Engineer-In-Charge of the measurement value of the total amount payable for the work shall be final and binding on all parties.</p>
11.0	<p><u>FINAL PAYMENT:</u> On the Engineer-In-Charge's certificate of completion in respect of the works, an adjustment shall be made and the balance of account based on the Engineer-In-Charge or the Engineer-In-Charge's representative's certified measurements of the quantity of work executed by the Sub-Contractor up to the date of completion and on the accepted schedule of rates shall be paid to the Sub-Contractor subject always to any deduction which may be made under agreement and subject to the Sub-Contractor having delivered to the Engineer-In-Charge a full account in detail of all claims he may have or B.B.J. in respect of the works or having delivered a "No Claim" certificate and the Engineer-In-Charge having after the receipt of such account given a certificate, in writing that such claims are correct, that the whole of the works to be done under the provisions of the contract have been completed, that they have been inspected by him since their completion and bound to be in good and substantial order, that all properties and the things removed, the work, have been properly replaced and made good all expenses and demands incurred by or made upon or in the respect of damage or loss by, from or in consequence of the works, have been satisfied agreeably and in conformity with the contract.</p>
12.0	<p><u>TAXES, DUTIES AND OCTROI ETC.</u> The Sub-Contractor agreed to and hereby accept full and exclusive liability for the payment of any and all taxes, duties, octroi etc., now or hereafter imposed, increased, or modified, and all the sales tax, from time to time in respect of works and materials and all contributions and taxes for employment compensation, insurance and also age pension or annuities now or thereafter imposed on Central or State Government authorities which are imposed with respect to or covered by the wages/salaries or other compensations paid to the persons employed by the Sub-Contractor and the Sub-Contractor shall be responsible for the</p>

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12.0	compliance with all obligations and restrictions imposed by the labour law or any other law effecting employer-employee relationship and the Sub-Contractor further agreed to comply, and to secure the compliance of all Sub-Sub-Contractor with all applicable Central, State, Municipal or local laws and regulations and requirements of any Central, State or Local Government agency or authority. Sub-Contractor further agreed to defend, indemnify and hold owner harmless from any liability or penalty which may be imposed by the Central, State or local authorities by reason of any violation or requirements and also from all claim suit of proceeding that may be brought against the owner arising under, growing out of or by reason of the work provided for by this Contract, by third parties, or Central or State Government authority or any other Sub-division thereof.
13.0	DETDUCTION OF INCOME TAX, SALES TAX AND ANY OTHER TAXES AND DUTIES OCTROI ETC.: All Statutory Taxes and Duties will be deducted at source from Sub-Contractor's on- account bills. Further the Sub-Contractor will be liable to pay themselves any taxes and duties to the respective authorities if payable by the Sub-Contractor over and above the amount deducted at source. Necessary papers indicating the deduction made at source will be given to the Sub-Contractor on request.
14.0	<u>COMPLIANCE OF LABOUR LAWS:</u> The Sub-Contractor shall comply with the following Labour Laws during the execution of the contract:
a)	MINIMUM WAGES ACT, 1948 Sub-Contractors are required to pay minimum wages as per Central Government Notification/State Government Notification whichever is higher at the time of payment of wages. Representative of Principal Employer and recording his signature on the wages register is required.
b)	PAYMENT OF WAGES ACT, 1976
c)	E.S.I. Act, 1948
d)	Compliance of BOCW Act in case 50 or more workers are engaged by the Sub-contractor.
c)	CONTRACT LABOUR (REGULATION AND ABOLITION) ACT, 1970 Sub-Contractor shall comply with the provision of the Contract Labour (Regulation and Abolition) Act, 1970 and the Sub-Contractor Labour (Regulation and Abolition) Act, 1971 as modified from time to time wherever applicable and shall also indemnify B.B.J. from and against only claim under the aforesaid Act and Rule.

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d)	WORKMEN'S COMPENSATION ACT, 1923
e)	INDUSTRIAL DISPUTE ACT, 1947 AND AS AMENDED FROM TIME TO TIME.
f)	EMPLOYEES PROVIDENT FUND ACT, 1971
15.0	<u>COMPLIANCE TO RULES FOR EMPLOYMENT OF LABOUR</u> The Sub-Contractor shall conform to all laws, by laws, rules and regulations, for the time being in force pertaining to the employment of local or imported labour and shall take all necessary precautions to ensure and preserve the health and safety of all staff employed directly or through the petty Sub-Contractors or sub-Sub-Contractors on the works.
a)	<u>PERTAINING TO LICENCE</u> A copy of Labour License to be displayed by the Sub-Contractor at the Site.
b)	<u>PERTAINING TO NOTICE</u> Notice pertaining to the following are required to be displayed at the work site in English/Hindi or local language viz. (a) Rates of wages (b) Hours of work (c) Wage period (d) Date of payment (e) Name and Address of the Inspector (f) Date of payment of wages and date of unpaid wages (g) Place and time of disbursement of wages (h) An abstract of the Act & Rules of C.L. (R&A) Act, (i) Intimation about the commencement/completion (j) weekly holiday and rest day (k) Hours of week.
c)	<u>PERTAINING TO REGISTERS</u> The following Registers are to be maintained at the works at :- <ul style="list-style-type: none"> • Register of persons employed in Form XII. • Employment Card in Form XIV to be issued to each worker. • Master Roll In Form XVI. • Register of wages in Form XVII. • Register of Fines in Form XXI. • Register of Advance in Form XXII. • Register of Overtime in Form XXIII. • Wages Slip in Form XIX is to be issued to each worker.
d)	<u>PERTAINING TO RETURNS</u> Half-Yearly Return ending on 30 th June and Annual Return ending on 31 st December to be submitted to Licensing Officer within 30 days of the completion of half annual ending.

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16.0	<u>LABOUR CAMP:</u> The Sub-Contractor shall at his own expense make adequate arrangements for the housing, supply of drinking water and provisions of latrines and urinals for his staff and workmen, directly or through the petty agencies employed on the work and for temporary creche (Bal Mandar) where 50 or more women are employed at a time. All camp sites shall be maintained in clean sanitary conditions by the Sub-Contractor at his own cost.
17.0	<u>WATER SUPPLY:</u> The Sub-Contractor shall arrange at his own cost water both for drinking purpose and for the purpose of execution of work.
18.0	<u>ELECTRICITY:</u> Any electrical supply required at site for whatsoever purpose shall be arrange by the Sub-Contractor at his own cost. If electricity cannot be arranged, the Sub-Contractor shall maintain generator set of suitable capacity for each purpose of uninterrupted progress of work.
19.0	<u>SANITARY ARRANGEMENTS</u> The Sub-Contractor shall obey all sanitary rules and carry out all sanitary measures that may form from time to time be prescribed by the concerned Medical Authority and permit inspection of all sanitary arrangements at all times by the Company's Site-In-Charge and/or his representatives.
20.0	<u>WELFARE & HEALTH</u> First Aid facilities to be provided as per specification laid down under Rules. Canteen facilities and Rest Room to be provided as per Rules.
21.0	<u>MEDICAL FACILITIES AT SITE</u> The Sub-Contractor shall provide medical facilities at the site as may be prescribed by the Engineer-In-Charge in relation to the strength of the Sub-Contractor's resident staff and workmen directly or through the petty Sub-Contractors or sub-Sub-Contractors employed on the work. First Aid facilities at site should be as prescribed under C.L. (R&A) Act and Rules.
22.0	<u>OUT BREAK OF INFECTIOUS DISEASE</u> The Sub-Contractor shall remove from his camp such labour and their families who have protective inoculation and vaccination when called upon to do so by the Engineer-In-Charge or the Engineer-In-Charge's representative.
23.0	<u>PRESERVATION OF PEACE</u> The Sub-Contractor shall take requisite precautions and use his best endeavours to prevent any riotous or unlawful behaviour by or amongst his workmen and other employed directly or through the petty agencies on the works.

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24.0	<u>USE OF INTOXICANTS AT WORKSITE AND ENCAMPMENTS FOR THE WORK</u> The sale of ardent spirits or other intoxicating beverages on the work site or in any of the buildings, encampments or tenements owned, occupied by or within the control of the Sub-Contractor or any of his employee directly or through the petty Sub-Contractors or sub-Sub-Contractors employed on the work shall be forbidden and the Sub-Contractor shall exercise his influence and authority to the utmost extent to secure strict compliance with this condition.
25.0	<u>NON EMPLOYMENT OF FEMALE LABOUR AT SITE:</u> The Sub-Contractor shall see that the employment of female labour directly or through the petty agencies employed on the work at Site should be avoided.
26.0	<u>NON-EMPLOYMENT OF LABOURS BELOW THE AGE OF 15</u> The Sub-Contractor shall not employ children below the age of 15 as labours directly or through the petty Sub-Contractors or sub-Sub-Contractors employed on the work for the execution of the work.
27.0	<u>EMPLOYMENT OF LABOUR FROM SCARCITY AREA</u> If the Government declares a state of scarcity of famine to exist in any village situated within 10miles of the work, piece worker/Sub-Contractor shall employ upon such parts of the work as the suitable for unskilled labour any person certified to him by the Engineer-In-Charge or by any other person to whom the Engineer-In-Charge may have delegated this in writing to be in need to relief and shall be bound to pay to such person wages not below the minimum which Government may have fixed in the behalf. Any dispute which may arise in connection with the implementation of this clause shall be decided by the General Manager (Projects) whose decision shall be final and binding on the piece worker/Sub-Contractor.
28.0	<u>INSURANCE</u> Sub-Contractors shall at his own expense carry and maintain insurance with reputable Insurance Companies to the satisfaction of the Owner as follows:-

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a)	<p><u>EMPLOYEES STATE INSURANCE ACT</u></p> <p>The Sub-Contractor agrees to and does hereby accept full exclusive liability for the compliance with all obligations imposed by the Employee State Insurance Act, 1948 and Sub-Contractor further agrees to defend, indemnify and hold owner harmless from any liability or penalty which may be imposed by the Central, State or local authority by the reason or any asserted violation by Sub-Contractor or Sub-Contractor of the Employee's State Insurance Act, 1948 and also from all claims, suits or proceedings that may be brought against the owner arising under, growing out of or by reason of the work provided for by this contract.</p> <p>Sub-Contractor agreed to fill in with the Employee State Insurance Corporation, the declaration forms and all forms, which may be required in respect of the Sub-Contractor's or Sub-Contractor's employee, where aggregate remuneration is Rs.660.00 per month or less who are employed in the work provided of those covered by ESI from time to time under the Agreement. The Sub-Contractor shall deduct and secure the agreement of the Sub-Sub-Contractor to deduct the employee's contribution as per the first schedule of the Employee's State Insurance Act from wages and affix the Employee's contribution cards at wages payments intervals. The Sub-Contractor agrees to maintain all cards and records as required under the Act in respect of employees and payments and the Sub-Contractor shall secure the agreement of the Sub-Sub-Contractor to maintain such records. Any expenses incurred for the contributions, making contributions of maintaining records shall be to the Sub-Contractor's or Sub-Contractor's account. The owner shall retain such sum as may be necessary from the total Sub-Contractor value until the Sub-Contractor shall furnish satisfactory proof that all contributions as required by the Employees State Insurance Act, 1948 have been paid. This will be pending on the Sub-Contractor when the Employee's State Insurance Act is extended to the place of work.</p>
b)	<p><u>WORKMEN'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE</u></p> <p>Insurance shall be effected for all the Sub-Contractor's employees engaged in the performance of this contract. If any of the work is sublet, the Sub-Contractor shall require the Sub-Sub-Contractor to provide workmen's compensation and employee's liability insurance for the latter's employees, if such employees are not covered under the Sub-Contractor's insurance.</p>

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c)	Sub-Contractor shall be responsible for making good to the satisfaction of the owner any loss or any damage to structure and properties belonging to the owner or being executed or procured or being procured by the owner or of other agencies within the premises of all the works of the owner, if such loss or damage is due to fault and/or the negligence or wilful acts or omission of the Sub-Contractor, his employees, agents, representative or Sub-Sub-Contractor.
d)	The Sub-Contractor shall take sufficient care in moving his plants, equipments and materials from one place to another so that they do not cause any damage to third party including overhead and underground cables and in the event of any damage resulting to the property of the owner or of a third party during the movement of the aforesaid plant, equipment or materials the cost of such damage including eventual loss of production, operation or services in any plant or establishment as estimated by the owner or ascertained or demanded by the third party shall be borne by the Sub-Contractor.
e)	The Sub-Contractor shall indemnify and keep to the owner harmless of all claims for damages to property other than owner's property arising under or by reason of this contract if such claims result from the fault and/or negligence or wilful acts or omission of the Contract, agents representatives or Sub-Sub-Contractor.
f)	<u>ANY OTHER INSURANCE REQUIRED UNDER LAW OR REGULATIONS OR BY OWNER</u> Sub-Contractor shall also carry and maintain any other insurance, which he may be required under law or regulation from time to time. He shall also carry and maintain any other insurance, which may be required by the owner.
g)	<u>ACCIDENT OR INJURY TO WOKMEN</u> The owner shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the Sub-Contractor or any Sub-Sub-Contractor save and except an accident or injury resulting from any act or default of the owner, his agent or servants and the Sub-Contractor shall indemnify and keep indemnified the owner against all such damages and compensation (save and except as aforesaid) and against all claims, demands, proceedings, cost charges and expenses whatsoever in respect or in relation thereto.

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h)	<u>TRANSIT INSURANCE</u> In respect of all items to be transported by the Sub-Contractor to the site of work, the cost of transit insurance should be borne by the Sub-Contractor and the quoted price shall be inclusive of the cost.
i)	The Sub-Contractor must submit a photocopy each of the above Insurance Policies to the Site-In-Charge/BBJ, GANGA Bridge Site before commencement of the work.

(A.J.KANDIR)
AM(M&P)

THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED

[NIT/DGM\(M&CP\)/METALLIZING/2132/R1 DATED 18.08.2010](#)

TENDERER(S)

BBJ