



BALMER LAWRIE & CO. LTD.

CONTAINER FREIGHT STATION

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CIN - L15492WB1924GOI004835

e- TENDER NO: BL/WD/KOL/YARD DEVELOPMENT/17-18

DATED: 01.08.2017

TECHNICAL / COMMERCIAL BID

Tender Document

**TENDER FOR DEVELOPMENT & BITUMINOUS PAVEMENT WORK
AT WD-SONAPUR KOLKATA- 700 088**

DUE DATE FOR SUBMISSION

21.08.2017 BY 3.00 P.M.

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NOTICE INVITING E-TENDER

On line bids in Two Bid System are invited from the reputed and experienced Vendors , who fulfill the eligibility criteria mentioned elsewhere in the tender document under the Heading “General Terms & Conditions” , for undertaking the subject contract for **DEVELOPMENT & BITUMINOUS PAVEMENT WORK AT WD-SONAPUR KOLKATA- 700 088**

Tenderers are advised to download Notice Inviting Tender along with other tender documents from the e-tendering portal <https://balmerlawrie.eproc.in>. The tender has to be submitted online.

The scanned copies of other required documents in support of bidders’ credentials are to be uploaded along with the tender documents through the appropriate link.

S. No	Description	Details
1	Name of Work	DEVELOPMENT & BITUMINOUS PAVEMENT WORK AT WD-SONAPUR KOLKATA- 700 088.
2	Tender No	e-Tender No.:BL- WD-KOL/YARD DEVELOPMENT/ 17-18
3	Validity Of Offer	120 days from the date of opening of the price bid
4	Contract Period	4 Months.
5	EMD	Rs.75,000.00(MSME/NSIC vendors are exempted)
6	Tender Fee	Rs 5000 (MSME/NSIC vendors are exempted)
7	Downloading / Submission of Tender :	
	a. Starts on	01.08.2017
	b. Closes on	21.08.2017 By 3 PM
8	Opening of Tenders	On or after due date and time for submission.

1. LIST OF DOCUMENTS TO BE UPLOADED

The scanned copies of following documents should also be uploaded at appropriate link in our e tendering system as part of the technical/commercial bid submission

- a. Power of Attorney authorizing the person who has signed the tender to act and sign on behalf of the company.
- b. Certificate of registration/incorporation in the case of Pvt Ltd/Public Ltd companies/certified copy of /partnership deed in the case of LPP/Partnership firm/ any document under the relevant rules/laws if the firm is a proprietorship firm
- c. Income Tax PAN number
- d. GST Registration number
- e. Chartered accountant’s certificate or Audited / Certified Balance sheet and Profit and Loss account of tenderer’s company for last 3 (three) years
- f. Certificate from bankers about financial soundness.

2. VERIFICATION OF DOCUMENTS

- a. Tenderers or their authorized representative will be required to come to our office **POSITIVELY** as intimated along with all original documents, scanned copies of which have been submitted with the e-tender towards ascertaining their qualification.
- b. Failure on part of the tenderer to report on specified date and time for paper verification may result in rejection of the tender submitted by them without further communication.
- c. Tenderer should be in a position to produce all the original documents and/or any other information on dates as intimated or as and when required by BalmerLawrie.

- d. Incomplete Tenders are liable for rejection without any further communication to the tenderer and decision of BalmerLawrie in this respect will be final.
- e. Any party submitting the false or forged documents may be Black Listed, EMD could be forfeited , work could be cancelled , criminal prosecution or any other action as deemed fit may be initiated.
- f. BalmerLawrie reserves the right to reject any or all tenders without assigning any reasons whatsoever.

SPECIAL INSTRUCTIONS TO THE BIDDER FOR PARTICIPATING IN E-TENDER

Tenderers are advised to download Notice Inviting Tender along with other tender documents from the e-tendering portal <https://balmerlawrie.eproc.in> Interested parties have to submit an interest free EMD of Rs. **75,000/- (Rupees Seventy Five Thousand only)** by Demand Draft/Pay Order at our above address. In case of MSMED /NSIC vendors, Certificate of MSME/ NSIC must be submitted in hard copy for considering their exemption from EMD & tender fees. The DD/PO for d EMD should be drawn in favour of BALMER LAWRIE & CO LTD on any Scheduled Bank, payable at Kolkata. Copies of the instruments (DD/PO/BG) evidencing payment of EMD should be scanned & uploaded before bidding. The physical original instruments/drafts should reach our above address prior to due date and time. In case the Bidders intend to submit any additional supporting documents, the same can be submitted in physical form at our above address. Documents of only those bidders shall be entertained who are bidding on-line. UNDER NO CIRCUMSTANCES PRICE BID SHALL BE SUBMITTED IN PHYSICAL FORM.

BalmerLawrie & Co. Ltd. has developed a secured and user friendly system which enables Vendors/ Bidders to Search, View, Download tenders directly and also, enables them to participate & submit Online Bids on the e-tendering site <https://balmerlawrie.eproc.in> in a secure and transparent manner which maintains confidentiality and security throughout the tender evaluation process.

1. Procedure to submit On-line Bids

For this purpose, Vendors/Bidders are advised to read the instructions available in the homepage of the portal <https://balmerlawrie.eproc.in> where detailed procedure for submission of bids is available under the option / link "Bidding Manual".

1.1 Registration with e-procurement platform

For registration and online bid submission bidders may contact HELP DESK of C1India Pvt., Ltd. details of which are available at our web-site mentioned above or they can register themselves online by logging in to the website through <https://balmerlawrie.eproc.in>

Bidder may contact the following resource persons for any assistance required in this regard.

HELPDESK NOS ARE OPEN BETWEEN 1000 HRS and 1830 HRS IST (MONDAY TO FRIDAY (Exclusions: Balmer Lawrie HOLIDAYS))		
Please email your issues before you call to helpdesk. This will help them serve you better.		
Contact Nos. and email IDs for Balmer Lawrie helpdesk officers		
Name	E-mail	Phone Numbers
1. Mr. Tuhin Ghosh	tuhin.ghosh@c1india.com	+91-8981165071

2. Mr.Tirtha Das	tirtha.das@c1india.com	+91-9163254290
3. Mr.Ravi Gaiwal	ravi.gaiwal@c1india.com	+91-02266865633
4. Mr.Ujjal Mitra	Ujjal.mitra@c1india.com	+91-8986678058

1.2 Digital Certificate authentication

The bidder shall authenticate the bid with his Digital Certificate for submitting the bid electronically on e-procurement platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-procurement platform.

All the bidders who do not have digital certificates need to obtain Digital Certificate. They may contact help desk of C1 India Pvt. Ltd.

2. Special Note

- Bids can only be submitted before the last date and time of submission as per the date and time mentioned in the e-tender. Resubmission (if required) of bid should be completed within the stipulated date and time. The system time (IST) that will be displayed on e-tendering web page shall be the time and no other time shall be taken into cognizance.
- Bidders are advised in their own interest to ensure that bids are uploaded and submitted successfully in e-tendering system well before the closing date and time of bid.
- No bids will be accepted physically or by post.
- BalmerLawrie does not take any responsibility in case bidder fails to upload the documents within specified time of tender submission.
- BalmerLawrie will not be responsible for any delay under any circumstances for non-receipt of any documents sent by post as part of response to the tender. Bidders are requested to provide correct "e-Mail address" and "Mobile No." for receiving updates related to e-tender from time to time.
- Bidders are requested to provide correct "e-Mail address" and "Mobile No." for receiving updates related to e-tender from time to time.
- The bidder has to keep track of any changes by viewing the Addendum/Corrigendum issued by the Tender Inviting Authority on time-to-time basis in the e-Procurement platform. The Company calling for tenders shall not be responsible for any claims/problems arising out of this.
"Any amendment/corrigendum, as and when required, will be uploaded only on the website of the company www.balmerlawrie.com and related Government of India e-procurement websites where this tender is floated and interested vendors should regularly visit these websites for updation."

3. Filling of Tender Documents

- 3.1 The tenderers are requested to carefully study all the tender documents and tender conditions before quoting their rates.

- 3.2 The tender must be strictly in accordance with the terms and conditions and specifications laid out in the tender.
- 3.3 Any terms and conditions given by the tenderer on his own in their offers will not be binding on Balmer Lawrie.
- 3.4 The sole proprietor or authorised representative shall sign all documents that needs to be uploaded. When the person signing the documents is not the sole proprietor / authorised representative of the company, the Power of Attorney authorizing such person to act and sign on behalf of the company must be scanned and uploaded and produced later on for verification by BalmerLawrie.

Scope of Work

The tender is meant for Development of soil yard into a Bituminized Yard through various steps of works/ jobs as briefed in BOQ. All job needs to be undertaken complying the BOQ specifications, Technical Specifications and General Terms & Conditions mentioned in the NIT/Tender Document.

The Scope of work of this tender consists of providing material, equipment, plant & machinery, labour, transport, tools and tackles, required services etc for the above mentioned subject works , at our Container Freight Station, as described in special condition of contract, technical specifications, Priced schedule and as mentioned elsewhere in this tender.

TECHNICAL SPECIFICATIONS

GENERAL

1. Schedule of Quantities also termed Bill of Quantities for individual items of work were drawn up in line with the relevant specification of CPWD, IS Codes, MOST, etc. There should normally be no need for drafting any Specifications for Materials, Workmanship, and Method of Measurement etc. CPWD Specifications for Civil Works 1996 Volumes I to VI and Revised CPWD Specifications for similar jobs cover in detail the specifications for Materials, Workmanship, Method of measurement etc. Hence reference may be drawn to the relevant CPWD Specifications. In rare cases where it is felt that CPWD Specifications concerned do not cover the full scope of work under any item, reference may be given to IS or any other relevant Specifications. Depending on the nature of work reference may be given to CPWD specifications, IS Specifications, MOST (Ministry of Surface Transport) Specifications or any other specification. There is also a possibility that some distinctive part of the work may have to be carried out as per one specification and another part based on a different specification.

In case of doubt, the Engineer in Charge's Directives may be sought.

2. All Bituminous work like BM, Asphalt Concrete, Carpet, and Seal coat as applicable as per schedule shall be done only by using VG-30 grade bitumen. Bitumen Emulsion is also permitted for tack coat etc.
3. Sieve Analysis of Stone Chips had to be conducted.
4. Crushing strength of ballasts to be furnished.
5. Compaction Test for WBM, Sand Filling, Morum shall be conducted.
6. Bitumen penetration test shall be conducted as IS Code.

- All required tests as mentioned above and as may further be decided upon shall be done from authentic test laboratories and cost for the same be borne by the vendor.
- Quantities and items in BOQ are indicative only and may increase , decrease or even deletion of schedule items /addition new of items may be required as per site conditions. Vendors shall be bound to accept such addition/alterantion of BOQ for proper execution of the work as per instruction of Engineer-In-Charge.



GENERAL TERMS AND CONDITIONS

01. Eligibility Criteria For Techno-Commercial Bid

- a) Payment of Tender fee of Rs 5000
- b) Payment of Interest Free EMD of Rs. Rs 75,000/-.(In case of MSMED /NSIC vendors , a photo of Certificate of MSME/ NSIC must be submitted for considering their exemption from EMD and Tender fees)
- c) The Bidder should have at least 5 years' experience of doing similar work / civil work.
- d) The Bidder should have successfully executed similar works / related civil works of cost not less than any of the following values during past five years ending 31st March, 2017 :-
 - i. 3 jobs each of value not less than 40.0 lakhs
 - ii. 2 jobs each of value not less than 50.0 lakhs
 - iii. 1 job of value not less than 80.0 lakhs
- e) Should have minimum Financial Turnover of Rs. **35.0Lacs** per year during each of last 3 financial years ending with March 2017(Proof to be attached).—Audited accounts or CA certificate.
- f) The Bidder must have GST , ESI and PF registration (Proof to be attached)
- g) Bidders are required to submit Bank Certificate of their satisfactory transaction of average Rs.1.00Crore in each of last 2 years perion or an average balance of Rs.20 Lacs in their Bank Account/Accounts.
- h) Copy of recent payment challan of PF .

i) The bidder should not have been black listed in any of the PSU's or private organizations and a self-certification to this effect would need to be provided on contractor's letter head. The company may verify such certification and if found during such verification that the statement is not true, the bid of the party will be rejected without any further reference to them.

E) **Submission Of Online Bids**

The bids should be submitted in 2[two] separate parts titled as

- [A] Technical / Commercial Bid [Unpriced]
- and
- [B] Price Bid

For Price Bid, only the rates are to be submitted as per given format.

The entire bid is to have digital signature of the person having Power of Attorney/Power of Authority to sign on behalf of the Bidder.

03. Tender Opening

[A] Unpriced [Technical-Commercial] Bid Opening

Technical / Commercial Bids will be opened online as per the Tender Calendar.

[B] Price Bid Opening

After opening and processing of the Technical / Commercial Bids, price bid will be opened.

04. Acceptance of offers

- 4.1 BalmerLawrie reserves the right to accept any tender in whole or in part or reject any tender or all tenders or place order for any quantity, less than or more than the tendered quantity, without assigning any reason thereof.
- 4.2 Bids of any tenderer may be rejected if a conflict of interest is detected between the bidders and BalmerLawrie at any stage.
- 4.3 BalmerLawrie would like to place order for all the items of work as mentioned in the Price bid to a single contractor. The overall L1 status will be determined by looking at the total value quoted by the bidder based on the estimate quantity against a line item as given in the tender document multiplied by the rate quoted by the bidder.
- 4.4 BalmerLawrie is not bound to accept the lowest rate for any tender. Balmer Lawrie also reserves its right to allow Public Enterprises (Central / State) price / purchase / contract / service preference as admissible under the existing Government policy. The decision of Balmer Lawrie in this connection will be final.
- 4.5 Incomplete tenders, conditional tenders, tenders received late or tender not conforming to the terms and conditions mentioned in the Tender documents or not accompanied by the requisite Earnest Money Deposit will be rejected.
- 4.6 Bids from the tenderer of same business will not be considered to avoid the conflict of interest.

05. Negotiations

- 5.1 Balmer Lawrie reserves the right to negotiate with the Tenderer. Tenderer will have to attend the concerned office of Balmer Lawrie for negotiations/clarifications required from them, in respect of their quotations, without any commitment on the part of Balmer Lawrie.

5.2 In case of negotiation, the Tenderer should send the confirmation of outcome of such negotiation in writing so as to reach the concerned office of Balmer Lawrie within 3 days from the date of negotiation/ the time stipulated whichever is earlier. If the Tenderer fails to comply with this requirement Balmer Lawrie reserves its right to ignore their quotation at its discretion and proceed to finalise the tender.

06. Price Variation

6.1 The price should be firm and irrevocable and not subject to any change whatsoever even due to Increase in cost of materials, components and labour cost till the validity of the contract period.

6.2 The quoted rates shall be kept valid **for acceptance** for a period of minimum 120 days from the date of opening the price Bid.

07. SITE VISIT.

The Tenderer, at the Tenderer's own cost/responsibility is advised to visit and examine the Site of Work and its surroundings and obtain all information that may be necessary for preparing the Tender for entering into a contract, for execution of the work.

08. Notification of Award

Prior to the expiration of the period of Bid validity, BL will place purchase order or letter of intent on the successful bidder(s).

09. Power & Water

Power for general lighting and water as required for the work shall be provided by the company.

10. Completion Period

The entire work shall be completed within nine months (9) from the date of awarding the job. Time is the essence of the contract. The SITE shall be handed over in 4-6 phases. Execution for each phase shall be completed by the vendor within 2 weeks' time. After placement of W.O, each phase of work shall be taken up by the awardee contractor as per availability of site within 3 days intimation to them.

11. Payment Terms

11.1 On Account payments will be made to the Contractor during the progress of the work on the basis of Running Account Bills raised by the Contractor after completion of each phase of work accompanied with the Measurement Books signed jointly within 10days from the certification given by Engineer-In-charge.

11.2 No Running Bill(s) shall be made and / or certified for a value of less than Rs.20 Lacs (Rupees Twenty Lacs) only.

11.3 All on account payments shall be subjected to deduction there from of all dues to the Owner, advance, retention money and other money deductible within the provisions of this contract and as per Income Tax Act, or any other Law, Rule or Regulation for the time being in force along with the recovery towards the adjustment of secured advance if any.

11.4 **90% of** the Running Account bill value will be payable by the Owner after submission of Bills accompanied by the relevant documents duly certified by Engineer-in-Charge.

- 11.5 **Balance 10%** of the payment of gross amounts billed will be withheld as “Retention Money” and will be released after completion and acceptance of work against issue of Bank Guarantee of the equal amount for Defect liability and performance maintenance period, which shall be **valid for** six months (6) from the date of issue of completion certificate by the Engineer-In-Charge.

12. Security Deposit

A non-interest bearing Security Deposit of **[Rs.2.0 Lacs]** by way of Bank Draft or Bank Guarantee will be required to be deposited with the Company by the successful bidder within 15 days of getting work order from the Company. EMD may be adjusted with Security deposit. The same shall be released along with final bill payment on satisfactory performance of all the obligations of Contractor under this Contract including completion of work in all respects.

13. Liquidated Damage

- (i) If the contractor is unable to complete the jobs specified in the scope of work within the period specified in the NIT, He may request the owner for extension of time with unconditionally agreeing for payment of LD. Upon receipt of such a request, owner may at its discretion extend the period of completion and shall recover from the contractor, as an ascertained and agreed Liquidated Damages, a sum of 0.5% of contract value for each week of delay or part there of subject to a maximum of 10% of contract value.

The parties agree that the sum specified above is not a penalty but a genuine pre estimate of the loss / damage which will be suffered by the owner on account of delay / breach on the part of the contractor and the said amount will be payable without proof of actual loss or damage carried by such delay / breach.

- (ii) Notwithstanding what is stated in Clause above, the Owner shall have the right to employ any other agency to complete the remaining work at the risk and cost of the Contractor, in the event of his failing to complete the work within the stipulated time.

14. Performance Guarantee & Warranty

The Contractor will repair and/or replace all defective works, parts, components / fittings, accessories etc. which are notified to him in writing within the Defect Liability Period. Such defective parts, components, fittings, accessories etc. should be promptly rectified and replaced by him free of cost. The contractor will provide similar warranty on the parts, components, fittings, accessories etc. repaired and/or rejected.

15. ESI/PF/Other Statutory obligations

The Contractor would be required to ensure adherence to all statutory obligations related to their employees who would be working inside Balmer Lawrie premises. On award of the contract, the bidder shall ensure compliance with all relevant statutory provisions under the relevant labour laws which are as given below:

- a) The Contract Labour (Regulation & Abolition) Act 1970
- b) The Employees Provident Funds and Miscellaneous Provisions Act 1952
- c) The Employees State Insurance Act 1948
- d) The Minimum Wages Act 1948
- e) The Workmen Compensation Act 1923

and other applicable labour enactment and as amended from time to time in respect of the personnel deployed by bidder at the Company's premises.

The personnel deployed in the Company's premises by the Contractor shall be fully qualified in all respects to carry out the activities for which he/**she** has been deployed.

It may be noted that the bill submitted by successful bidder for services rendered shall be processed only on submission of satisfactory proof of remittances Challans in respect of statutory payments such as ESI, PF, etc. for the personnel deployed by him in the Company's premises along with the ESI/PF numbers allotted to them. Cost if any, incurred by the Company in ensuring statutory compliance with the existing labour enactment and as amended from time to time shall be fully charged to the contractor.

16. Sub-letting of Work

No part of the contract or any share or interest therein shall in any manner or degree be transferred assigned or sublet by the contractor directly or indirectly to any person, firm or corporation without the consent in writing from Balmer Lawrie. In the event of contractor contravening the conditions, Balmer Lawrie shall be entitled to get the work done from any other firm at the 'Risk & Cost' of the contractor.

17. Indemnity

The Contractor will be required to indemnify and keep indemnified the Company against all losses and claims for injury and damage to any person or any property whatsoever which may arise out of or in consequence of the work and against all claims, demands, proceedings, damages, cost charges and expenses whatsoever that may arise against the company on account of the faults of the contractor/his workmen/due to malfunctioning of the equipment's employed by the contractor. The company may forward the bidder any such claim demand or complaint made by any other person against the company. In such event, the contractor shall solely be liable for the disposal of the said complaint. The contractor will be required to Indemnify and absolve the Company of all responsibilities related to employment condition of their employees and should adequately safeguard Company against any possible IR problems including those related to employment. Further, Company will not have any liability towards employment, remuneration or compensation in whatever manner made to the employee of the bidder. Such demand shall be settled by the bidder directly. The Contractor shall co-operate with the company in all matters relating to introduction/adoption of new equipment technology, machinery, compliance of all relevant laws, rules or regulations, relating to CFS operations and implementation of any scheme/policies/guidelines recommended by the Company aimed at swift and better customer service.

18. Termination

18.1 Termination on expiry of the CONTRACT

This Agreement shall be deemed to have been automatically terminated on the expiry of the CONTRACT period unless the BL has exercised its option to extend this CONTRACT in accordance with the provisions, if any, of this CONTRACT.

18.2 Termination on account of force majeure

Either party shall have the right to terminate this CONTRACT on account of Force Majeure, as set forth in clause 18.

18.3 Termination on account of insolvency

In the event the CONTRACTOR or its collaborator at any time during the term of this Agreement becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is

adjudged bankrupt, then the BL shall, by a notice in Writing have the right to terminate this CONTRACT and all the CONTRACTOR's rights and privileges hereunder, shall stand terminated forthwith.

18.4 Termination for unsatisfactory performance

If the BL considers that the performance of the CONTRACTOR is unsatisfactory or, not up to the expected standard, the BL shall notify the CONTRACTOR in writing and specify in detail the cause of such dissatisfaction. The BL shall have the option to terminate this Agreement by giving 30 days' notice in writing to the CONTRACTOR, if, CONTRACTOR fails to comply with the requisitions contained in the said written notice issued by the BL.

18.5 Consequences of termination

In all cases of termination herein set forth, the obligation of the BL to pay shall be limited to the period up to the date of termination. Notwithstanding the termination of this Agreement, the parties shall continue to be bound by the provisions of this Agreement that reasonably require some action or forbearance after such termination.

19. Force Majeure Conditions:

Delivery schedule is subject to force majeure conditions as under: If at any time during the continuance of this contract, the performance in whole or part by either party of any obligation under this contract shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lock outs or acts of God (hereinafter referred as "events") provided notice of the happening of any such events is given by either party to the other within twenty one days from the date of occurrence thereof, neither party shall by reasons of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance. Deliveries under the contract shall be resumed as soon as practicable.

20. Arbitration

Any dispute or difference arising under this Contract shall be referred for adjudication at Kolkata to a Sole Arbitrator to be appointed by the Chairman & Managing Director, Balmer Lawrie & Co. Ltd. and the provisions of Arbitration and Conciliation Act, 1996 including any statutory modifications or enactment thereof shall apply to the Arbitration proceedings. The fees of the Arbitrator, if any, shall be shared equally by both the parties.

DECLARATION

Having examined the tender documents, we have understood the terms & conditions indicated in the eTender No.:BL- WD-KOL/YARD DEVELOPMENT/17-18 and hereby confirm our acceptance of the same.

Place :

Signature of Tenderer

Date :

Name & Address

Telephone Nos.

Office:

Fax Nos. :

PARTICULARS OF THE TENDERER'S ORGANISATION

S. No	Description	Tenderers Details
1	Name of the Tenderer	
2	Address of the Registered Office	
3	Address of the branch / office quoting against the Tender	
4	Year of commencement of business	
5	Whether Sole Trader/ Partnership / Private Limited Co., or Public Limited Co./ LPP	
6	Registration No. (Under companies Act)	
7	Whether copy of Incorporation /Registration certificate from ROC(Registrar of company) uploaded	
8	Income Tax PAN no.	
9	Whether copy of PAN enclosed	
10	Whether copy of latest Income Tax Return uploaded	
11	GST Registration. No.	
12	Whether copy of GST Registration certificate Uploaded	
13	Name of the Banker	
14	Whether registration under MSMED act	
15	In case registered under MSMED provide registration number and copy of registration certificate.	
16	In case of MSME vendor, mention if they fall under SC/ST Category. Provide Certificate of SC/ST if applicable.	

PRICE PART : BOQ

SL. NO.	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
1	Earthwork/scrapping/box cutting of existing pavement surface in all types of soil, for undertaking subsequent boulder soiling, WBM etc. up to a depth of 300 mm (max.) from existing level, dressing true to line, level, camber and slope preparation of sub base, & compacting/rolling using Vibratory/Power Road Roller (10-12MT).The item also includes stacking of reusable materials at place advised by Engineer-In-Charge with in a lead of 100M and disposal of surplus material outside the premises at contractor's cost.	1200	CUM		
2	Preparation of sub-grade maintaining proper gradient camber/cross falls, dressing etc....consolidating/ compacting by Rolling and compacting with Power Roller of 10-12 MT for consolidation of existing earth with above mentioned supplied & spreaded sand.	10	day		
3	Providing, laying, water and compacting of morum/stone gritts with power roller of 10-12MT complete with all materials, transportation, labour, consolidation etc as per specification and instruction of Engineer-In-Charge.	200	CU.M		
4	Providing and laying 230mm average thick boulder soling under morum surface with graded stone and gritts etc as binders including transportation, breaking laying filling in the interstices with stone chips, rolling with power roller of 10-12MT through sufficient passes with spreading of necessary water etc complete.	3800	SQ.M		
5	Constructing Wet Mix Macadam of compacted thickness of 150mm in two layers having 75mm compacted thickness with crushed stone aggregate, complete CBR Value minimum 20% with all materials, transportation, labour, compaction and rolling with power roller of 10-12 MT etc. as per CPWD/MOST Specifications, drawings and instructions of Engineer-in-Charge. The contractor may assess the quantity and grading of stone metal based on the mix design conducted at laboratory in order to optimize the cost	200	CU.M		

SL. NO.	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
6	Providing and laying WBM for pavement on bolder soled surface upto average of 175mm thick in 2 layers , 100mm and 75 respectively as required with 45-65mm size stone ballast and 40mm down graded stone , rolling with power road roller (10-12MT), then filling the void with stone grit/dust or morum, watering and then again rolling & compacting with road roller. The process of void filling and watering cum rolling shall be repeated for proper leveling and compaction. This include cutting pot holes to rectangular shape, deepening the edges inclined towards the back, cleaning surface, rolling with 10-12 MT power roller as per approved code and direction of Engineer –In – Charge.	500	CU.M		
7	Bituminous Macadam (as base/ binder course) of minimum compacted thickness 75mm single layer by Miller Mixer using approved crushed stone aggregates of size ranging from 45 mm to 90 micron premixed with VG-30 grade bituminous binder @4% by wt. of total mix as per IRC/CPWD specification including thorough cleaning of the surface, applying tack coat, screening cleaning of stone materials, preparing a uniform and quality mix., temping and finishing the mix to specified grade, line and cross section, thorough rolling with 10-12MT power roller. Cost include materials, machineries labour, fuel & hire charges of miller etc as required complete.	290	CU.M		
8	Providing & laying 20mm thick Premixed Carpet open graded by Miller Mixer using 1.8 meter cube of 13.2mm size and 0.9meter cube of 11.2mm size stone aggregate per 100 meter square of surface including thorough cleaning of surface applying tack coat @1/2 Kg per Sqm, screening, cleaning and preheating stone chips and fully pre coating the same with hot matrix @ 54kg per meter cube of aggregate, laying the premixed chips uniformly over the surface, hand packing, thorough rolling with 8 to 10MT power roller and maintain proper gradient and camber. Including the cost and carriage of aggregates, filler and bitumen heating and all other cost and charges including hire charges of machineries, cost of fuels, pay and allowances of workmen etc complete in all respect.	3800	SQ.M		

SL. NO.	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
9	Supplying and laying premixed seal coat (Type B) on freshly laid premixed carpet without tack coat using 0.60 cum of stone grit (passing 2.36mm sieve and retained on 1.80mm sieve)or coarse sand (FM more than 2.5) per 100 Sqm premixing with Cationic Bitumen emulsion (M.S. grade) conforming to IS: 8887-1978 @ 180 Kg per cum of stone grit/ sand including cleaning of surface, screening washing and wetting the stone grit / sand, mixing suitably and laying the mixture uniformly over the premix carpet and rolling with power roller till the premixed material completely seals the void in the premix carpet as per specification. Including the cost and carriage of aggregates, filler and bitumen heating and all other cost and charges including hire charges of machineries, cost of fuels, pay and allowances of workmen etc complete in all respect.	3800	SQ.M		
10	Supply and filling with selected silver sand, properly compacted with Vibratpry/Power Roller in layers of 200mm in compacted thickness to achieve modified proctor density of 95%, including and dressing the top surface to correct grade and level, water consolidation all materials and labour complete.	300	CU.M		
11	Providing and laying cement concrete grade of mix 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20mm nominal size) for drain, beams etc including ramming de-watering, shuttering, shoring, strutting, curing etc., complete in all respects as per the specification.	25	CU.M		
12	Providing and laying structural reinforced cement concrete work (1:1.5:3) conforming to IS : 456 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm down size) nominal mix at all heights and depth for construction of beams, drains, Hume pipe encasement etc. including compacting with mechanical vibrator, curing etc. complete as per specifications.	100	CU.M		
13	Providing, erecting and removing ordinary formwork of approved quality at depth for concrete work for beams, pits, footing etc. including shuttering, propping removal of formwork and rendering of surfaces as per specifications.	500	SQ.M		

SL. NO.	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
14	Providing, cutting, bending, binding and laying in position, ribbed Tor steel or equivalent as per IS:1786 reinforcement as per drawings at all elevations including removal of scales, dust, grease etc. and rendering of surface, placing concrete cover blocks, chair supports etc. complete.	2.5	MT		
15	Supplying and laying reinforced cement concrete heavy duty Hume pipe, non pressure type (NP3), centrifugally cast conforming to I.S. 458 with 1:1:2 concrete casing at joints as required with necessary slope including excavation, backfilling, supply of collars, jointing of pipes with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand), complete in all respects as per specification, drawing and the direction of the Site Engineer. 300mm Diameter.	50	RM		
16	Providing 12mm thickness sand faced plaster in cement mortar (1:4) for drain, including curing etc. complete.	400	SQ.M		
17	Providing and applying neat cement to newly plastered surface for drain etc , including curing etc. complete.	400	SQ.M		
18	M.S structural steel work for column, beams etc. with simple rolled structural members(e.g Joist, Channels, Angle etc.) conforming to IS-226, IS-808 and SP-6 connected to one another with cleat, gussets as per design, drawing etc. complete including cutting to requisite shape and size fabrication with necessary bolting, metal arc welding conforming to IS-816 using approved make electrodes as per IS-814, haulage, hoisting, erection all complete. The rate includes the cost of rolled sections, consumables such as electrodes, gas and hire charges of all tools and plants and labour required for the work including all incidental charges	1	MT		
	TOTAL				