

BIDDERS QURRIES		BHEL REPLY (Clarification by BHEL)	
S N			
1	Please consider 10% interest free mobilization advance instead of 5% interest bearing advance.	We cannot pay 10% advance. Interest Bearing Advance shall payabel be as per TS/Commercial Bid	
2	Sufficient area of land for labour colony free of cost near the vicinity of project site may please be provided.	MPPGCL/BHEL SHALL PROVIDE LAND OUTSIDE THE PROJECT FOR CONSTRUCTION OF TEMPORARY LABOUR COLONY AT FREE OF COST.FOR DETAILS PLEASE REFER COMMERCIAL BID VOL-1 SECTION :5,CL: 5.1.APPROX. DISTANCE OF THIS AREA SHALL BE 5KM FROM PLANT GATE.	
3	Water for construction may be arranged at one point near the construction site free of any charge to us.	PLEASE REFER SECTION :5,CL:5.7-COMMERCIAL BID VOL-1. ANY DEVIATION IN TENDER CONDITION IS NOT ACCEPTABLE TO BHEL.	
4	Approach Road from main road to project site should be provided and maintained by you for transportation of materials without any interuption.	SHALL BE PROVIDED AND MAINTAINED BY PRINCIPAL EMPLOYER( MPPGCL)	
5	Base price of reinforcement steel & structural steel may be provided for price variation.	Base Price shall be as mentioned in TS/Commercial Bid	
6	We understand that you may go for reverse auction for this job, but in our opinion by reverse auction you will not be able to select the deserving agency for executing the job.	Reverse Auction NOT applicabel for this package	
7	A pretender clarification meeting with the prospective bidders may please be convened.	Clarifications are sent in the Amendments.tharefore clarification meeting is not required.	
8	Bore log Data/Soil Investigation Report It is necessary to have structure wise bore log data/Soil investigation report for bid submission since quantum and nature of earth work is substanatial and needs detail study of soil classification.	.BORELOG DETAILS already sent to the bidder vide letter dt: 10/08/2009	

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9	<p>Blasting / controlled Blasting for Hard Rock Excavation</p> <p>Please conform above methodology shall be permitted extensilvey for hard rock excavation since quantity in BOQ is enormous. This methodology is essential to maintain the overall construction schedule as indicated in bid document. However, please refer standard technical specification of commerical bid (Vol-II) page No. 41, Sr. No. 3.03.04(f) (b) under the head restriction in blasting - wherein it is mentioned as -" <b>Blasting within 700m of a parmanent structure or construction work in progress shall not be permitted.</b>"</p>	<p>Technical Specfication CL No:3.03.04 (f)(b) page No 41 is modified as under:</p> <p>Only controlled Blasting shall be permitted as work of proposed extension units 10&amp;11 is just adjacent to buildings/structures of existing units 1 to 9 .the contractor shall have to take all safety measures/safe gaurds during controlled blasting so that there shall not be any damage/harm to building/building of existing units 1 to 9.</p>
10	<p>Earth Work in Excavation (BOQ ITEM NO. 105 &amp; 107)</p> <p>The quantity indicated in BOQ Item No. 105 ( for depth / 4M to 6M) is 750 CUM wherein the quantity shown in BOQ tiem No. 107 ( for depth 6M to 8M) is 37500 CUM. Plase clarify.</p>	<p>We are advising you to refer a REVISED BOQ for respective mentioned items.</p>
11	<p>Reinforcement ( BOQ Item No. 402, Page No. 26 of 119)</p> <p>Description of detail item indicates reinforcement to be procured from M/S. SAIL only. But in the description under item head 400- it is mentioned as "<b>Reinforcement steel to be procured from only SAIL and TATA steel</b>".</p> <p>Please also refer commerical Bid ( vol -1) - special &amp; General Condition of contract, QR, NIT - section -4 under head Approved manufactures for procuremnet of reinforcement &amp; structural steel ( page no. 17) wherein it is mentioned as</p> <p><b>1) M/S. SAIL</b></p> <p><b>In case of non- availability of desired section of steel from the above manufactures, contractor has obtained specific approval of customer for other manufactures. However, in any case steel from re- rolling mills shall not be accepted."</b></p> <p>Also refer commerical bid (vol II)- standard Technical specification - section F under head material Quality steel (Page No. 317) wherein it is mentioned as -----cont.</p>	<p>REINFORCEMENT STEEL AS WELL AS STRUCTURAL STEEL SHALL BE FROM SAIL ONLY.HOWEVER IN CASE OF NON- AVAILABILITY OF DESIRED SECTION OF STEEL FROM THE ABOVE MANUFACTURER, CONTRACTOR HAS TO OBTAIN SPECIFIC APPROVAL OF CUSTOMER FOR OTHER MANUFACTURER.</p>

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12	<p>cont. ----- <b>Reinforcement Steel/ Structural steel to be used in the work shall be procured from M/S. SAIL only. The steel must conform to latest respective IS- code."</b></p> <p>Please conform your comments for procurement of steel ( for both Reinforcement &amp; structural ) from specific manufacturer.</p> <p>If steel (Reinforcement &amp; Structural) to be consider to procure from M/S. SAIL, the price variation clause should be actual price variation of steel of M/S. SAIL instead of RBI Price Index component as stipulated in price variation clause 11.6 Page No. 57 &amp; 58 of Commerical Bid, Vol- I. since this being cost plus contract of BHEL with MPPGCL, actual price variation of cost of steel to be procured from SAIL during execution shall then only be reflected. As the cost component of steel is a Lion share of this tender, the reimbursement of price variation based on SAIL price is only be justified.</p>	
13	<p>Land For Site Office, Batching Plant &amp; Fabrication Yard</p> <p>Free space requiried for the following shall made aviable to us within the plant premises i.e near by to the actual construction site.</p> <p style="text-align: center;">--Site office, store.</p> <p style="text-align: center;">-Batching Plant &amp; Cement Godown.</p> <p>-Fabrication yard for for Reinforcement &amp; shuttering work.</p> <p>-Fabrication Yard for Structural Steel Work.</p>	<p>PLEASE REFER SECTION :5, CL: 5.5.1 AND 5.5.2(A)-COMMERCIAL BID VOL-1. ALLOUT EFFORTS SHALL BE MADE BY BHEL TO PROVIDE LAND FOR SITE OFFICE ,BATCHING PLANT AND REINFORCEMENT STEEL.HOWEVER OPEN SPACE REQUIRED FOR BULK STORAGE OF MATERIALS AND STRUCTURAL FABRICATION YARD SHALL BE PROVIDED OUTSIDE OF THE BOUNDARY WALL FREE OF COST.SINCE THIS IS MPPGCL'S ACQUIRED LAND, NO EXCISE DUTY SHALL BE LEVIABLE ON FABRICATED ITEMS.</p>
14	<p>Free Land For Labour Colony</p> <p>Free land for labour hutment shall be made to us at outside plant around 1 to 1.5 KM from place of executiom.</p>	<p>MPPGCL/BHEL SHALL PROVIDE LAND OUTSIDE THE PROJECT FOR CONSTRUCTION OF TEMPORARY LABOUR COLONY AT FREE OF COST.FOR DETAILS PLEASE REFER COMMERCIAL BID VOL-1 SECTION :5,CL: 5.1.APPROX. DISTANCE OF THIS AREA SHALL BE 5KM FROM PLANT GATE.</p>

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15	<p>Approach Road</p> <p>Necessary &amp; proper approach road shall be made available to us by you to carryout the work under this tender for handling construction materials &amp; equipement.</p>	<p>ROAD FROM BHEL'S OPEN STORAGE YARD SHALL BE PROVIDED AND MAINTAINED BY PRINCIPAL EMPLOYER( MPPGCL). SAME ROAD CAN BE UTILIZED BY OTHER VENDORS</p>
16	<p>Liasioning Work {Cluase No. 4,8,7 of Commerical bld (Vol-1), Page No. 23}</p> <p>Please clarify the extent of responsibility of liasioning work in relation to this tender package in detail.</p>	<p>THIS INCLUDES ALL STAUTORY APPROVALS WHICH MAY BE APPLICABLE FOR EXTENSION OF THE PROJECT. BHEL SHALL ONLY PROVIDE ALL TECHNICAL SUPPORTS AND DRAWINGS. FOR FURTHER DETAILS PLEASE REFER SECTION :4,CL:4.8.7-COMMERCIAL BID VOL-1.</p>
17	<p>Arrangement of contruction power (Ref. Clause No. 22 under section 4 page No. 16 of SCC) Since it is an item rate Contract not a lump-sump contract, responsibility of successful bidder for supply,installation, comminissing, running of Transformer taking necessary connection from MPMKVVC Ltd., mainting statutory formalitles, making payment against direct billing of MPMKVVC Ltd. etc, all complete as stipulated in the clause should be excluded.M/s BHEL on the other hand as a LSTK Agency to customer, M/s MPPGCL for their cost plus basis contract should take the responsibility for providing construction power to the successfull bidder seperately both at construction/execution site and fabrication yard at one point each location basis. Bidder has the responsibility to make necessary onward arrangement for drawing/distributing power by providing and fixing/laying necessary feeder besber, cabling etc. at suitable location thereafter for both erection site and fabrication yard.</p> <p>----- cont</p>	<p>CONSTRUCTION POWER SHALL BE ARRANGED BY SUCESSFUL BIDDER AS PER TENDER CONDITION AND THEY HAVE TO LOAD THEIR PRICES ACCORDINGLY.NO DEVIATION IN TENDER CONDITION SHALL BE ACCEPTABLE TO BHEL.</p>

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18	<p>----- cont.</p> <p>IN that case M/s BHEL to indicate per unit rate of power supply for deduction from R.A. Bills of successful bidder during execution.</p> <p>Such responsibility of electrical &amp; its maintenance work should not be included in the scope of agency responsible for executing such nature of item rate contract for civil, structural &amp; architechical works.</p>	
19	<p>Car policy (Refer Clause no. D, Page 18, Under section -- 4 of SCC) Whether it is applicable for fabrication yard also, which is appeared to be at outside of plant premises.</p>	<p>INSURANCE COVER UNDER THE SCOPE OF CONTRACTOR SHALL BE A COMPREHENSIVE ALL RISK POLICY WHICH SHALL INCLUDE CONTRACTOR'S OWN T&amp;Ps, EQUIPMENTS, ALL MATERIALS DURING TRANSIT AS WELL AS STORAGE, ERECTION ALL RISK FOR CIVIL WORKS WHICH INCLUDES FABRICATION ALSO IRRESPECIVE OF LOCATION OF FABRICATION YARD,</p>
20	<p>Statutory Obligation : What are the parameters considered for statutory obligation.</p>	<p>LABOUR LICENSE, EPF, FACTORY INSPECTOR IN CASE OF ACCIDENT,EXPLOSIVES, ELECTRICAL INSPECTOR,POLLUTION AND ENVIRONMENTAL CONTROL, LOCAL LAWS, POLICE STATION ARE LEAST BUT NOT LIMITED FOR THIS KIND OF EXTENSION PROJECTS. BIDDERS TO KEEP IN THEIR MIND THAT THIS IS AN EXTENSION UNIT # 10 &amp; 11 i.e ALREADY 9 UNITS ARE IN OPERATION IN THAT VICINITY.</p>
21	<p>Major Stores &amp; Fabrication yard : for structural work</p> <ul style="list-style-type: none"> <li>- whether fabrication yard shall be provided with in plant premises or not.</li> <li>- whether excise duty shall be applicable for fabricated items or not.</li> <li>- whether constructionn power shall be applicable at outside the plant premises at fabrication yard.</li> </ul>	<p>PLEASE REFER SECTION :5, CL: 5.5.1 AND 5.5.2(A)-COMMERCIAL BID VOL-1. ALLOUT EFFORTS SHALL BE MADE BY BHEL TO PROVIDE LAND FOR SITE OFFICE ,BATCHING PLANT AND REINFORCEMENT STEEL.HOWEVER OPEN SPACE REQUIRED FOR BULK STORAGE OF MATERIALS AND STRUCTURAL FABRICATION YARD SHALL BE PROVIDED OUTSIDE OF THE BOUNDARY WALL FREE OF COST.SINCE THIS IS MPPGCL'S AQCUIED LAND, NO EXCISE DUTY SHALL BE LEVIABLE ON FABRICATED ITEMS. CONSTRUCTION POWER SHALL BE ARRANGED BY BIDDERS AT THEIR OWN COST AS EXPLAINED ABOVE.</p>

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22	plese furnish the approved vendor list of electrode.	Only standard make electrodes shall be used.The make shall be given at the time of execution.
23	Architectural Design Requirement (reference Clause No. 5, page 18 to 29 of standard technical specification) :	ARCHITECTURAL DESIGN IS NOT IN BIDDER'S SCOPE.WORK SHALL BE CARRIED OUT AS PER THE APPROVED DRAWING PROVIDED BY BHEL AT THE TIME OF EXECUTION.
24	Since this contract of M/s BHEL with customer is cost plus basis, for item rate contract design requirement as mentioned in the clauses need to be excluded from the scope of bidder. And M/s BHEL should appoint consultant / Architect / Designer for this purpose seperately as desigre by owner M/s MPPGCL .	ARCHITECTURAL DESIGN IS NOT IN BIDDER'S SCOPE.WORK SHALL BE CARRIED OUT AS PER THE APPROVED DRAWING PROVIDED BY BHEL AT THE TIME OF EXECUTION.
25	Pl. refer clause no. 5.2.1 approval of statutory authorities e.g. factory inspector, explosive inspector, traiff advisory committee etc. should not be the responsibility of the contractor .	As per clause No 5.2.1, Page No 19 , Approval from statutory authorities e.g. factory inspector, explosive inspector, traiff advisory committee etc. shall be the responsibility of the contractor .
26	Pl. refer clause no. 5.2.2 engaging Architect for designing front elevation of the power house building should not be the responsibility of the contractor .	ARCHITECTURAL DESIGN IS NOT IN BIDDER'S SCOPE.WORK SHALL BE CARRIED OUT AS PER THE APPROVED DRAWING PROVIDED BY BHEL AT THE TIME OF EXECUTION.
27	FLY ASH LIME (FAL) BRICK WORK (SOR Item No ,1001,1002,1003,1004,1005,1006)	
28	Please conform Wheather Fly Ash shall be made available as free of cost from existing plant or not.	It may be provided free of cost by MPPGCL at available point on request of contractor.However transportation shall be in contrector's scope.
29	In our past experience, We found that crushing strength of Fly Ash Lime (FAL) Brick of 75 Kg/cm <sup>2</sup> is not achievable. Therefore We request you to consider crushing strength of FAL Brick shall be 50 Kg/cm <sup>2</sup> Instead 75 Kg/cm <sup>2</sup> as stated in SOR.	Required strength of Fly Ash Lime(FAL) Bricks for construction shall be 75 Kg/cm <sup>2</sup>

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30	The proposed construction site is adjacent to existing plant. Therefore, please conform weather proposed construction will come under preview of FACTORY ACT or not.	The Proposed construction site is not coming under the FACTORY ACT
31	<b>Price Variation</b>	
a)	Price Variation cost should be applicable for all materials and should not be restricted only to cement and steel materials-- as the proposed project duration is 30 calendar months where prediction of price variation of all other materials is not viable during bidding stage. So, price variation cost for all materials other than cement and steel shall be calculated on the basis of all Indian Wholesale <b>Price Index as per RBI Bulletin.</b>	Most of the materials which are susceptible to variation are already covered in PVC.No more material will be added in this scope.
32	<b>Service Tax(Clause No 5.9.3,Page No.29 of SCC)</b>	
a)	Before submission of bid M/S BHEL should conform the modality of <b>Payment of Service Tax</b> , i.e. Either under regular scheme @ 10.30% or under composition scheme @ 4.12% of contract value to enable us to submit our most competitive bid.	The Bidders shall claim Service Tax from BHEL under composition scheme @ 4.12%
33	<b>VAT on Works Contract (Clause No 5.9.3, Page No.29 of SCC)</b>	The Bidders to include VAT on works contract in their offer and issue FORM-3 under MP VAT ACT ,to BHEL.
a)	Successful bidder is not required to pay any additional Tax over and above TDS amount as per State Law which would be assessed by Authority after due assessment. So, reimbursement of WCT against production of proof of payment is quite impossible. Therefore the payment of VAT on Works Contract shall be made by M/S .BHEL against submission of Tax Invoice by the successful bidder as per State Law. Alternatively bidder shall consider the VAT on Works Contract in their price against which Form-3 under MP VAT Act shall be issued to M/S .BHEL during execution on which M/S.BHEL shall not pay VAT on Works Contract on bidder's contract price Necessary amendment under the above clause may be made	

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34	Refer vol.III Price bid Part-I ST. No.2317, provided and fixing in position of PTFE type sliding bearings. Detailed drawings / bearing size is not mentioned in the BOQ / Technical Specifications. kindly provide us the same.		CONTRACTOR / BIDDER HAS TO PREPARE REQUIRED DRAWINGS FOR THE MENTIONED BOQ.IS COMING UNDER THE CONTRACTOR SCOPE.
35	NIT Page 1 : Drawing – Hardcopy is available with BHEL Nagpur.	We would like to have look at the drawings.	NO DRAWINGS ARE AVAILBLE AT THIS STAGE.APPROVED DRAWING IS TO BE ISSUED SEQUENTIALLY AT THE TIME OF EXECUTION
36	NIT Page 3 : Liquidity Damage	Please Clarify.	LD has been eloborated in GCC of Commercial Bid
37	Tech Bid Page 16, of Vol –I: Water & Electricity	We request you, water & electricity will be free supplied by client .	SHALL BE AS PER SECTION :4,CLAUSE NO.4.1(A),21,22- COMMERCIAL BID VOL-1.NO DEVIATION IN TENDER CONDITION IS ACCEPTABLE TO BHEL.
38	Tech Bid Page 21 & 27, of Vol –I: Space for Material Yard	We request you provide the space for Material yard like cement, Reinforcement, Structural Steel and labour camp with in the site premises on the approved location.	PLEASE REFER SECTION :5, CL: 5.5.1 AND 5.5.2(A)-COMMERCIAL BID VOL-1. ALLOUT EFFORTS SHALL BE MADE BY BHEL TO PROVIDE LAND FOR SITE OFFICE ,BATCHING PLANT AND REINFORCEMENT STEEL.HOWEVER OPEN SPACE REQUIRED FOR BULK STORAGE OF MATERIALS AND STRUCTURAL FABRICATION YARD SHALL BE PROVIDED OUTSIDE OF THE BOUNDARY WALL FREE OF COST.SINCE THIS IS MPPGCL'S ACQUIRED LAND, NO EXCISE DUTY SHALL BE LEVIABLE ON FABRICATED ITEMS. MPPGCL/BHEL SHALL PROVIDE LAND OUTSIDE THE PROJECT FOR CONSTRUCTION OF TEMPORARY LABOUR COLONY AT FREE OF COST. FOR DETAILS PLEASE REFER COMMERCIAL BID VOL-1 SECTION :5,CL: 5.1. APPROX. DISTANCE OF THIS AREA SHALL BE 5KM FROM PLANT GATE.



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39	Tech Bid Page 23, of Vol –I: Liasioning & Clearance from concerned authority	Please clarify the same in detail.	THIS INCLUDES ALL STAUTORY APPROVALS WHICH MAY BE APPLICABLE FOR EXTENSION OF THE PROJECT. BHEL SHALL ONLY PROVIDE ALL TECHNICAL SUPPORTS AND DRAWINGS. FOR FURTHER DETAILS PLEASE REFER SECTION :4,CL:4.8.7-COMMERCIAL BID VOL-1.
40	Tech Bid Page 29 , Vol-I: Taxes – As per clause no. 5.9.2 & 5.9.3 our offer will be exclusive of Service Tax & VAT	Please confirm the same.	It is assumed that the customer contract is exclusive of tax and all tax burden of BHEL will be reimbursed by customer
41	Tech Bid Page 47, of Vol –I: Non compliance	We will execute the site as per safety guide line & according to instruction of Safety officer, there is no need of such fines as mentioned under the heading of non-compliance.	THIS IS AS PER THE SAFETY POLICY AND GUIDELINES AND CANNOT BE CHANGED.
42	Tech Bid Page 57, of Vol –I: Material Rate	We understand the clause as “We have to consider Basic Rates for the Major Material Like cement, Steel & structural steel as per RBI bulletin or as given, if there will be any variation in the price will be paid to us as per current market rate.” This is for the price escalation. But please give the base rate or star rates for the major material rate like cement, steel & structural steel. Pl. Clarify	PRICE ESCALATION FORMULA IS BASED ON THE PRICE INDEX PUBLISHED IN RBI BULLETIN AND NOT ON THE ACTUAL PRICE OF MATERIAL OR CURRENT MARKET RATE.

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43	Item No 101, 103, 105, 107, 109 & 111 Excavation in Soil: Excavation means	We request you, the excavation made by pneumatic rock breaker with poclain will be considered in hard rock. We will quote the rate of excavation material removed by Crow bar or JCB bucket. Pneumatic rock breaker generally used in hard rock.	RATE TO BE QUOTED AS PER THE CLASSIFICATION AND METHODOLOGY GIVEN IN BOQ DESCRIPTION. NO OTHER INTERPRETATION IS ACCEPTABLE TO BHEL.
44	Item No 102, 104, 106, 108, 110 & 112 Excavation in hard rock: Final measurement will be stock measurement minus 30%	We request your, this would be in terms of volume measured by existing Level & final excavated level. We also request there will be separate item for hard rock excavation by chiseling	RATE TO BE QUOTED AS PER THE RESPECTIVE ITEMS DESCRIPTION. NO CHANGE IS ACCEPTABLE.
45	Item No 600 – 601, 602, 603 Premoulded Joint Filler: Unit of the item	The unit of the item is in sqm, it should be in Rmt. Pl. clarify.	SINCE WIDTH MAY VARY FROM STRUCTURE TO STRUCTURE UNIT HAS TO BE IN SQM AND NOT IN RM.
46	Basic Rates for the Following: a) Cement Concrete Chequired Flooring Tile b) 5mm thk Ceramic tile c) 7mm thk Vitrified Ceramic Tile	We request you please provide the basic rates for the following itme: a) Cement Concrete Chequired Flooring Tile b) 5mm thk Ceramic tile c) 7mm thk Vitrified Ceramic Tile	RATE TO BE BY BIDDER AS PER THE PRICE SCHEDULE.

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47	Item no 901(A),902,903,903a,903b,903c,steel windows:	We request your mentioned the weight of steel per sqm ,which is easy to quote the rate for the window.or provide the drawings.	SECTIONS TO BE FOLLOWED AS PER IS 1038.NO DRAWINGS/WEIGHTS IS REQUIRED FOR THIS.
48	Item no 904,905,909,911 & 912 aluminium window: 3mm wall thickness	The thickness of wall is 3mm seems to be very high.Pl.clarify. We request you pl.provide the drawings.	RATE TO BE QUOTED AS PER BOQ DESCRIPTION AND IS:1948, IS:1949
49	Item no 907 Single & double shutter steel door	Pl.mentioned the thickness of the door	GENERAL DESCRIPTION SHALL BE AS PER ITEM NO.906.HOWEVER THICKNESS IS 38MM INSTEAD OF 45MM.
50	Item no 910a Anodised aluminium work.	the rate quoted for the same will be for the aluminium only. Fittings will be paid under relevent item. We request you separate out the fittings like door closers,door stopper & other fittings.	RATE TO BE QUOTED AS PER BOQ DESCRIPTION.
51	ITEM NO: 208.Please send name of the approved party for doing NDT test.		Agency/Institution should be Govt. /Semi Government or certified/approved by Indian Govt. for such test.However it is necessary to take permission with prior approval from BHEL
52	In Item No. 512, Antitermite and water proofing have same Serial No.		Item No. for waterproofing shall be considered as Item No. 513
53	In Item No.702 For foundation bolt please differentiate the quantity for IS 432 and IS 2062		IS 432 and IS 2062 are for MS material and bolts .So quantity as given in tonnage in BOQ pertains to quantity for bolts and cannot be differentiated as per IS code.

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54	Item No.1804, P &F Bitumen Impregnated Fibre joint along with PVC Water bar in water retaining structure	Rate shall be exclusive of PVC water bar however bitumen impregnated fibre shall be fixed in position after fixing of PVC bar ,but before placement of concrete as per normal procedure .Rate for PVC water bar shall be quoted separately under Item No. 1801
55	Item No.1810A, Type and grade of Rail	This Rail is in scope of supplier.
56	Item No. 2214,Manhole Cover whether it is heavy/medium/light duty	It is a Heavy Duty Manhole cover
57	Item No. 2301,For Supply and fabrication ,i)Indicate quantity /% of plates upto 20mm as per IS 2062, ii) Above 20mm IS 2062 Gr. B of IS 2062 Gr. C,quantity of Rolled section & Built up section, % H.T Bolts and size iii)% metal are welding of submerged arc welding	It is not possible to provide all these details at this stage and same shall be provided in approved construction drawing during the execution however please refer detailed tech spec for weld joints testing-NDT,UT,RT.
58	Type of cement OPC/PPC or partly POPC and partly PPC if so please indicate the quantity	OPC - Section -4,procurement and supply of construction material,wherein it is clearly specified that OPC shall be used for all construction work and list of approved manufacturer also mentioned