

**TENDER Ref: IS-1-08-2013**

**Date: 15. 05.2009**

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

---

**Note: Vendors are requested to refer the original NIT documents**



ISG, Bangalore

TENDER Ref: IS-1-08-2013

Date: 15. 05.2009

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

1	Tender inviting Officer :	S. Mani/Sr DGM (BG-II, II & IV) Bharat Heavy Electricals Ltd. Industrial Systems Group P.B. No. 1249, IISc Post Malleswaram BANGALORE 560 012
2	Scope of work	Design, Engineering, Manufacture, Supply, Erection & Commissioning of a) <b>CIVIL WORKS (Enquiry No. 88/08/6041/NSA; Specification No. IS-1-08-2013-003)</b>
3	Tender document available place :	BHEL web site <a href="http://www.bhel.com">www.bhel.com</a> , <a href="http://www.bhelisg.com">www.bhelisg.com</a> and Government web site <a href="http://tenders.gov.in">http://tenders.gov.in</a>
4	Due date and time for submission of tender	22-05-2009 by 11.00 AM
5	Place of submission of tender	ISG Tender box placed at the Reception of ISG & EPD at the following address: Bharat Heavy Electricals Limited Industrial Systems Group Opp. to Prof. CNR Rao Circle Malleswaram BANGALORE 560 012
6	Place of tender opening	Technical bid will be opened in Camera on 22-05-2009 at 3.00 PM at BHEL/ISG
7	Payment Terms - Modified	<p>a. Five per cent (5%) of the total contract price excluding taxes, duties (except service tax) and training charges shall be released against Bank Guarantee for equivalent value valid for six months and on submission and approval of Basic Engineering data, drawings, Design criteria, calculations etc. The payment shall be made progressively as per Billing schedule to be submitted by vendor and approved by BHEL</p> <p>b. Eighty Two and a half percent (82.5%) of the contract Price shall be released on monthly pro-rata basis subject to satisfactory progress of work as per the approved Billing Schedule.</p> <p>c. Two and a half percent (2.5%) of the Contract</p>



ISG, Bangalore

TENDER Ref: IS-1-08-2013

Date: 15. 05.2009

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

		<p>Price excluding taxes, duties, Service Tax &amp; Education Cess and training charges shall be released upon issue of the Preliminary Acceptance Certificate by customer.</p> <p>d. Two and a half percent (2.5%) of the Contract Price excluding taxes, duties, Service Tax &amp; Education Cess and training charges shall be released upon issue of the Commissioning Certificate by customer.</p> <p>e. Five percent (5%) of the Contract Price excluding taxes, duties, Service Tax &amp; Education Cess and training charges shall be released after establishment of Performance Guarantee parameters and issue of performance guarantee certificate by customer.</p> <p>f. Two and a half percent (2.5%) of the Contract Price excluding taxes, duties, Service Tax &amp; Education Cess and training charges shall be released upon issue of the Final Acceptance Certificate by customer.</p> <p>Vendors shall quote as per above terms. Offers not in line with the payment terms are liable for rejection.</p>
7	Qualifying Criteria Modified	<p>1. Documentary evidence such as attested copy of award letter / contract and also completion certificates / performance certificates of previous works executed by him giving name and address of clients, value of each of the works done, completion period, date of completion should be submitted by the Bidder</p> <p>2. The Bidder shall submit Audited Annual Financial Reports for last three (3) consecutive financial years in support of their meeting above stipulated financial requirements. The Bidder shall submit a certificate from Chartered Accountant, showing turn over for the last three (3) consecutive financial years, duly notarized in support of their financial requirements.</p>



ISG, Bangalore

TENDER Ref: IS-1-08-2013

Date: 15. 05.2009

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

		<p>3. The Bidder should have successfully designed and executed the following works within last 10 years:</p> <ul style="list-style-type: none"> <li>• Basement type structures such as Wagon Tippers, Track Hoppers, Tunnels, Hoppers etc. (at least 12m below ground level) involving deep excavation, extensive dewatering and industrial buildings.</li> <li>• Experience of executing of RCC concreting of 10,000 m3 of industrial type civil works under a single contract/ multiple contract in a single year.</li> <li>• Proven experience in the design of track hopper and wagon tippler.</li> <li>• Minimum Annual Turnover INR 620 Million during last three (03) consecutive financial years ending 31.03.2008</li> </ul>
8	IEM identified for Integrity Pact	Shri. J.M.Lingdoh, IAS (Retd.), Plot No. 144-145, Pragati Resort, Proddator Village, PO Shankarpally Road, Rangareddy Distt. (AP). Phone +91-841-7224101

**9 Registration of the Bidder:**

The bidders , who are not already registered with BHEL/ISG, shall include the following information and documents with their bids and they should get registered as the Vendor . Vendor registration forms can be downloaded from BHEL/ISG web site, namely, [www.bhelisg.com](http://www.bhelisg.com).

- I. Copies of original documents defining the constituent local status, place of registration, and principal place of business.
- II. Total monetary value of turnover of a firm, each of the last ten years.
- III. Major Project executed in the last Three years.
- IV. Qualification & Experience in case of Indian Agency:

Reports of the financial standing such as profit and loss account, balance sheet, information regarding any reputation in which the bidder is involved.

**10 Amendment of the bidding documents:**

Before the dead-line of submission of bids, the Employer may modify the bidding documents by issuing addendum.



ISG, Bangalore

TENDER Ref: IS-1-08-2013

Date: 15. 05.2009

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

Any addendum such issued carry part of the bidding documents and this will be available at the web site from where the original documents have been received /Downloaded by the bidder.

11 Language of the tender Submission of bids : Only in English

12 Sealing & marking of bids:

The tender shall be submitted for each items in three parts, Part-I , Part-II& Part- III Each shall be placed in an independent sealed envelope, each part shall be labelled as follows:

Part-I :

Qualifying Requirement Envelope

Tender No. : IS-1-08-2013 Dt.23-02-2009

Enquiry No. :

Specification No.:

Due date & time: 22-05-2009 by 11.00 AM

This envelope shall consist of the following:

1. Covering Letter
2. Integrity pact signed by the vendor.
3. Qualification documents mentioned in this NIT/ addendum.
4. Documentary evidence of fulfilment of eligibility criteria.
5. Latest income tax clearance certificate and sales tax clearance certificate.
6. Duly filled in forms with supporting Documents for Vendor Registration with BHEL/ISG, for the bidders, who are not already registered with BHEL/ISG.
7. Techno – commercial & Price bids of vendors qualifying with above criteria only will be opened.

Part – II

Techno-Commercial Tender Envelope

Tender No. : IS-1-08-2013 Dt.23-02-2009

Enquiry No. :

Specification No.:

Due date & time: 22-05-2009 by 11.00 AM

- 1) Declaration of the Tenderer that this tender is without any technical and commercial deviations and if the deviations are there, they are as mentioned in the deviation format as per Specification.



ISG, Bangalore

TENDER Ref: IS-1-08-2013

Date: 15. 05.2009

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

- 2) The complete tender document available on the web site shall be signed by the authorised signatory and should be enclosed in this cover.
- 3) Full technical description of the items and services proposed by the Tenderer.
- 4) Necessary catalogues, technical brochures and list of items which shall be part of the scope of this tie up.
- 5) Details of manpower and Organization who execute this tie- up.
- 6) Work methodology and plan.
- 7) Confirmation of performance guarantee and liability period as mentioned in the tender.
- 8) Confirmation of techno-commercial terms and conditions.
- 9) Any other technical details.
- 10) The technical tender envelope shall not contain schedule of price or any other price information. Any indication either direct or indirect shall cause outright disqualification of the tender document.
- 11) The un-priced bid confirming quoting as per BOM,

Part-III:

Price envelope

Tender No. : IS-1-08-2013 Dt.23-02-2009  
Enquiry No. :  
Specification No.:  
Due date & time: 22-05-2009 by 11.00 AM

Price format as enclosed in the tender which are duly filled in and signed.

Part-I, Part-II & Part – III shall be submitted together on the prescribed date mentioned in the web site.


**TENDER Ref: IS-1-08-2013**

**Date: 15. 05.2009**

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

---

## **SCOPE OF WORK**

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	STEEL AUTHORITY OF INDIA LIMITED  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

## SECTION – A

### **:- SCOPE OF WORK :-**

1.0 The scope shall cover complete civil work for the proposed plant within its battery limit **on Lump Sum basis including detailed design engineering and execution.** The major civil works involved for installation of the OHP PART B Package shall pertain to the following areas:


- i) New Ore Handling Plant-Part B for feeding raw material to new BF-8 & Sinter Plant III
- ii) New route parallel to existing route from OHP-I to JH-20
- iii) New route from junction house JH N102 to new Lime Plant RMP 3 and SMS-III

The scope of civil work, in general, comprises the design, detailed engineering and construction of all civil, architectural and finishing works required for the civil works of ore handling plant of the BHILAI STEEL PLANT (BSP) on 'Lump sum' basis, for all the structures / buildings described elsewhere in this section along with tentative dimensions and construction features.

2.0 Primarily the kind of civil works required for the structures and buildings of the OHP shall consist of, but not limited to, the following :-


- 2.1 Area clearance - the area to be excavated shall be cleared of all vegetation / foreign materials and the spoils shall be deposited at places directed by Engineer-in-Charge.
- 2.2 All excavation works in all types of soils / rocks including backfilling, dewatering, as necessary, transportation and stock piling of excavated material as directed by Engineer, shoring, strutting, leveling and grading.
- 2.3 Enabling works like diaphragm walls / sheet piling / closely spaced RS joists



	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>


/ scaffoldings to ensure availability of suitable working areas with due regard to safety of the existing structures and their foundations.

- 2.4 Construction of RCC piles for foundations, as required, including load tests.
- 2.5 RCC work in underground structures, foundations, pile caps, storm anchors for stacker reclaimer, etc. at all levels.
- 2.6 RCC work in superstructure frames, floors, lintels, roof slabs, precast concrete, etc. at all levels.
- 2.7 Subgrade and base preparation with rubble soling, etc. for pavements, grade slabs, etc.
- 2.8 Brick masonry work ( clay / fly ash ) in cement mortar at all levels.
- 2.9 Cement plaster / stone veneering / any other finish as specified, on internal and external walls.
- 2.10 Steel / aluminum doors, windows and ventilators including glazing, etc. complete.
- 2.11 Painting of plastered masonry / RCC walls, doors, windows, rolling shutters, etc.
- 2.12 All types of floor finishing such as IPS, Ironite, mosaic tiles, etc.
- 2.13 Damp proofing and cement / chemical grouting of underground structures.

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>


- 2.14 Roof water proofing treatment, over / under deck roof insulation, Roof gutters and rain water down comer pipes.
- 2.15 Plinth protection, garland drains, storm water drains connected to nearest existing drains / final disposal point, as required.
- 2.16 All sanitary and sewage fittings and plumbing work for water supply and sewerage.
- 2.17 Septic tanks, soak pits, sewer lines, inspection chambers, manholes, etc.
- 2.18 Supply and Placement of insert plates, kerb angles, and anchor bolts, etc. and also fixing of any other embedments in RCC members supplied free by others. However liner plate shall be supplied and fixed by BHEL other agencies. In the event of requirement of supplying and fixing of polymer liner in Wagon Tippler and Track Hopper by the bidders, bidders to furnish additional price for carrying out the same in the price format.
- 2.19 Roads, pavements, drains, culverts, common settling basin, etc.
- 2.20 Civil works for fire fighting and dust suppression system. However buried lines shall be done by other agencies.
- 2.21 Surveying, geotechnical investigations, field and laboratory testings, etc., as necessary.
- 2.22 Area clearance and grading in the end.

3.0 The works covered in the contract shall include supplying of all materials

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	STEEL AUTHORITY OF INDIA LIMITED  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

(except materials supplied, if any by BHEL free / at issue rates, as stipulated in special condition of contract, section-C, Vol-1), labour, tools, plant and equipments, transportation, fabrication, supervision, construction as per drawings including embedment of bolts, inserts, leaving holes, pockets, grooves, chamfers as shown therein and all incidental items not shown or specified but reasonably implied and necessary for satisfactorily completing the project as a whole.

- 4.0 It is not the intent to specify completely herein all details of design and construction of the works covered under this specification. All works shall be done as per specification and as per approved for construction drawings and in a manner acceptable to "Engineer", who shall have the power to reject any work or material which in his judgment is not in full accordance therewith. In case of any conflict regarding the interpretation of the intent or meaning of the specifications or drawings, Engineer shall interpret such intent or meaning, which will be final and binding on the contractor.
- 5.0 The scope of work shall include detailed engineering, submission and obtaining approvals on designs, drawings and other engineering documents from all the approval authorities involved including statutory authorities, where applicable.
- 6.0 The scope of work also includes attending meetings at Owner / Consultant's offices ( Project site / Delhi / Bangalore /Bhilai/Ranchi) or at places decided by Owner as and when necessary for review, discussions, co-ordination, etc.
- 7.0 The scope of work also includes collection of materials from Stores / unloaded from the trucks and transportation of materials supplied, if any, by the Owner / Purchaser from his stores / located in the plant site.
- 8.0 The scope of work also includes making all necessary arrangements for access to the storage yard from the nearest approach roads and further to the actual site of work including dewatering, as necessary, and maintenance of the

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	STEEL AUTHORITY OF INDIA LIMITED  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

same in order to facilitate transportation of machinery and equipment such as cranes, etc. Refurbishment of existing access roads, if necessary, shall also be done by Contractor at no extra cost.

9.0 The scope of work also includes checking the adequacy and doing the appropriate modifications in some of the structures of the existing OHP for interconnection with the new OHP structures.

10.0 **The scope of work shall include all other civil works not specifically mentioned above but necessary for the satisfactory completion of the OHP package as a whole.**

11.0 The Contractor shall be fully responsible for arranging all materials to meet requirements of the project.


12.0 **STRUCTURE / BUILDING WISE SCOPE OF CIVIL& STRUCTURAL WORKS :**

12.1 The OHP contracting is being divided in the following main packages as below :


- a) Mechanical : Machinery and technological structures
- b) Electrical : Electrical items
- c) Structural Steel Works : Structural steel, metal claddings, etc.
- d) Civil Works : Earthwork, Piling, Concrete / RCC works, Building works, Drainage, Roads, etc as specified elsewhere in this section.

12.2 The structures / buildings required for the OHP are described separately in this section. The plant layout and the flow diagram are also appended therein.


12.3 Tentative longitudinal profiles along the conveyor galleries/tunnels from Wagon Tippler and Track Hopper to the final discharge point Including tentative dimensions of structures / buildings given in the drawings listed in section H “Tender Drawings” and are appended with these tender specifications.

	<p><b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b></p> <p><b>Civil Works</b></p>	<p>STEEL AUTHORITY OF INDIA LIMITED</p> <p><b>BHILAI STEEL PLANT (BSP)</b></p>
<p><b>BHEL-ISG BANGALORE</b></p>	<p><b>SCOPE OF WORK</b></p>	<p><b>VOLUME –II SECTION A</b></p>


- 12.4 Eventually detailed working drawings viz., plant layout, flow diagrams, longitudinal profiles along the conveyor galleries, electro – mechanical and civil assignment GA (General Arrangement) drawings, structural steel drawings including the foundation load data will be submitted and got approved by the respective package contractors and those drawings shall then be the design reference base drawings for final dimensions and loadings for the the ‘Civil Works’ contractor’s detailed engineering and the further working.
- 12.5 The ‘Civil Works’ bidder shall have to make his own assessment of the desired design data and quote **lump sum prices**, as asked for in Volume – 4 of this tender specification. The detailed engineering and construction by the Contractor shall, however, be as per the approved electro-mechanical / str. steel package contractors only.

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S.No.	ITEM	Width (m)	Length (m)	Depth (m)	Height (m)	RCC Pit	RCC Superstr. Frame on RCC Fdn.	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
<b>A</b>	<b>WAGON TIPPLER WITH Side Arm Charger</b>										
1	WT	18	30	15	0.3	#		#		#	
<b>B</b>	<b>TRACK HOPPER</b>										
		19.5	230	12	0.3	#		#		#	
	<b>Ground Hopper</b>										
		4	4			#				#	
<b>C</b>	<b>PENT HOUSES</b>										
1	PH - Conv Z3 C1/C2	7.5	4.5		6		#	#	#		#
2	PH - Conv Z2 C1/C2	7.5	4.5		6		#	#	#		#
<b>D</b>	<b>JUNCTION TOWERS</b> (Exclusive of stair bay Exclusive of stair bay which shall be extra and shall be executed as per approved drawing)										
1	JH -Z1	12	8	11	3	#	#	#	#		
2	JH-Z2	15	17		16			#		#	
3	JH -Z3	15	17		12						
4	JH-Z4	8	7		16						
5	JH -Z5	8	7		16						
6	JH-Z6	8	7		12						
7	JH-Z6A	8	7		12						
8	JH -Z6B	8	7		12						
9	JH-Z5A	8	7		12						
10	JH -Z5B	8	7		12			#		#	
11	JH-Z4A	8	7		12			#		#	


	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S.No.	ITEM	Width (m)	Length (m)	Depth (m)	Height (m)	RCC Pit	RCC Superstr. Frame on RCC Fdn.	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
12	JH -Z4B	8	7		12			#		#	
13	JH-Z7	10	8		12			#		#	
14	JH -Z8	8	10		11			#		#	
15	JH-Z9	8	10		15			#		#	
16	JH -Z10	8	13		13			#		#	
17	JH-Z11	22	22		21			#		#	
18	JH -Z12	8	10		15			#		#	
19	JH-Z13	10	8		16			#		#	
20	JH -Z15	10	8		37			#		#	
12	J9A	24	8					#		#	
13	J9	27	20					#		#	
23	JH-9H	20	8					#		#	
24	JH-10	12	53.5		27			#		#	
25	JH - 11	30	21		22			#		#	
26	JH - 14	19	14		19			#		#	
27	JH - 15	30	9.2		29			#		#	
28	JH - 16A	12	8		22			#		#	
29	JH - 17	20	29.5		20			#		#	
30	JH - 17A	10	10		30			#		#	


	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S.No.	ITEM	Width (m)	Length (m)	Depth (m)	Height (m)	RCC Pit	RCC Superstr. Frame on RCC Fdn.	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
31	JH - 17B	10	10		36			#		#	
32	JH - 20	18	26		33			#		#	
33	J-N102	10	10		35			#		#	
34	JH-L1	10	10		34			#		#	
35	JH-L2	10	10		33			#		#	
36	JH-L3	10	10		32			#		#	
37	JH-L4	10	12		35			#		#	
38	JH-L5	10	10		33			#		#	
39	JH-L6	10	10		38			#		#	
40	JH-L7	10	10		28			#		#	
41	JH-L8	10	10		30			#		#	
42	JH-L9	26	09		34			#		#	
43	JH-L10	10	10		52			#		#	
44	JH-15B	10	10		38			#		#	
45	JH-42	10	10		37			#		#	
46	JH-9B	10	10		39			#		#	
<b>E</b>	<b>STACKER RECLAIMER3</b>										
1	Stacker Rail Tracks 3 Nos	7.5	400				#				
2	Reclaimer Rail Tracks 3 Nos	7.5	400				#				
3	Stock pile area - 6Nos	36	350								




	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>


S.No.	ITEM	Width (m)	Length (m)	Depth (m)	Height (m)	RCC Pit	RCC Superstr. Frame on RCC Fdn.	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
<b>F</b>	<b>ELECTRICAL MCC &amp; CONTROL ROOMS</b>										
	( Only basic building sizes given below. First floor requirements, Transformer Yards, Battery Rooms and Toilets etc, are extra )										
1	SWGR Rooms - 3 Nos	50	20		5		#	#	#		#
2	OHP Main control room	50	20		5		#	#	#		#
3	Control Room First Floor	20	10		4		#	#	#	#	#
4	Wagon Tippler Control Room	30	20		5		#	#	#		#
5	Battery Room						#		#		#
6	Cable Galleries / trenches	2		2		#				#	
<b>G</b>	<b>MISCELLANEOUS</b>										
1	Sprinkler Lines	5	150							#	
2	Settling Tank	10	15	4		#		#			
3	Roads	3.5	6000								
4	Drains	1	12000	1.5		#					
5	Room for Rail Weigh Bridge										
		6	6		4						

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>


S.No.	ITEM	Width (m)	Length (m)	Depth (m)	Height (m)	RCC Pit	RCC Superstr. Frame on RCC Fdn.	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
6	Yard master Building (2 Storey)										
		24	11		8		#	#	#		#
7	Workers Rest Room (2 Nos - 250Sq.M)										
							#		#		#
8	Canteen Buildings - (2Nos - 200Sq.M)										
							#		#		#
9	Office Buildings with separate Parking area (1No 700Sq.M and 1 No 500Sq.M)										
							#	#	#		#
10	Toilet Blocks - 2 Nos										
							#		#		#
11	Area Repair Shop										
		18	9		6		#			#	

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>


S.No.	ITEM	Width (m)	Length (m)	Depth (m)	Height (m)	RCC Pit	RCC Superstr. Frame on RCC Fdn.	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
11	Ore Handling Area										
	(a) Closed Sub Store										
		9	18		6		#		#		#
	(b) Open Ended Fence										
		18	18				#				
12	Dust Suppression Pump Houses - 6 Nos										
		20	7		5		#		#	#	#
13	Dust Suppression Water Tank - 6 Nos										
		6	5		3		#			#	
14	Air Compressor House - DS & RMS plant										
		15	15		4		#		#	#	#
15	Ventilation Rooms										
		6	6		5		#		#		

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>


S.No.	ITEM	Width (m)	Length (m)	Depth (m)	Height (m)	RCC Pit	RCC Superstr. Frame on RCC Fdn.	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
16	Air Conditioning Room										
		6	6		4					#	
17	Fire Fighting System- Pump House & Reservoir										
		30	20	3	3	#	#		#	#	
18	Foundation for Flood Light Mast in Stock Yard - 6Nos										
										#	

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>


H	CONVEYOR SYSTEM										
S. No.	ITEM	Type of Gallery	Horizontal Length of the Gallery (m)	General Slope of conveyor in Degrees	Head Room (m)	RCC Pit	SAND Pit	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
<b>CONV.TUNNELS</b>											
1	CT-Z1 C1/C2	Double				#		#	#		
2	CT-Z2 C1/C2	Double		9		#		#	#		
<b>CONV.GALLERIES</b>											
3	Conv Z2 C1/C2	Double	80	9	2.4		#	#		#	
4	Conv Z3 C1/C2	Double	106	6	2.4		#	#		#	
5	Conv Z3 C1/C2/C3	Triple	41.5	9	2.4		#	#		#	
6	Conv Z6 C1/C2/C3	Triple	169	6	2.4		#	#		#	
7	Conv Z6 C1/C2/C3	Triple	123	0	8		#	#		#	
8	Conv Z6 C2/C3	Double	83	2	2.4		#	#		#	
9	Conv Z6A C1	Single	56	8.5	2.4		#	#		#	
10	Conv Z6B C1	Single	56	8.5	2.4		#	#		#	
11	Conv Z5A C1	Single	56	8.5	2.4		#	#		#	

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S. No.	ITEM	Type of Gallery	Horizontal Length of the Gallery (m)	General Slope of conveyor in Degrees	Head Room (m)	RCC Pit	SAND Pit	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
12	Conv Z5B C1	Single	56	8.5	2.4		#	#		#	
13	Conv Z4A C1	Single	56	8.5	2.4		#				
14	Conv Z4B C1	Single	56	8.5	2.4		#	#		#	
15	Conv Z7 C1/C2 -	Double	190	0	2.4		#	#		#	
16	Conv Z7 C1/C2	Double	38	9	2.4		#	#		#	
17	Conv Z7 C3	Single	56	9	2.4		#	#		#	
18	Conv Z8 C1/C2	Double	215.2	6	2.4		#	#		#	
19	Conv Z9 C1/C2	Double	577	6	2.4		#	#		#	
20	Conv Z10 C1/C2	Double	968	6	2.4		#	#		#	
21	Conv Z11 C1/C2	Double	485	6	2.4		#	#		#	


	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S. No.	ITEM	Type of Gallery	Horizontal Length of the Gallery (m)	General Slope of conveyor in Degrees	Head Room (m)	RCC Pit	SAND Pit	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
22	Conv Z12 C1/C2	Double	357.2	0	2.4		#	#		#	
23	Conv Z13 C1/C2	Double	193	0 & 6	2.4		#	#		#	
24	Conv Z15 C1/C2	Double	258	6	2.4		#	#		#	
25	Conv Z15 C1/C2/C3	Triple	22	0	2.4		#	#		#	
24	J-15 C2	Single	170	4	2.4		#	#		#	
25	J-16C3	Single	245	3	2.4		#	#		#	
26	J-17C3	Single	342	0	2.4		#	#		#	
27	J-17A -C1	Single	91	11	2.4		#	#		#	
28	J-17BC1	Single	66	8.23	2.4		#	#		#	
29	J -20 C3	Single	27	10.6	2.4		#	#		#	
30	J-42-C2	Single	12	0	2.4		#	#		#	
31	Conv.L1C1	Single	152.2		2.4		#	#		#	
32	Conv.L2C1	Single	466		2.4		#	#		#	


	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S. No.	ITEM	Type of Gallery	Horizontal Length of the Gallery (m)	General Slope of conveyor in Degrees	Head Room (m)	RCC Pit	SAND Pit	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
33	Conv.L3C1	Single	35		2.4		#	#		#	
34	Conv.L4C1	Single	192		2.4		#	#		#	
35	Conv.L5C1	Single	25		2.4		#	#		#	
36	Conv.L6C1	Single	106		2.4		#	#		#	
37	Conv.L7C1	Single	105		2.4		#	#		#	
38	Conv.L8C1	Single	130		2.4		#	#		#	
39	Conv.L9C1	Single	216		2.4		#	#		#	
40	Conv.L9C2	Single	71		2.4		#	#		#	
41	Conv.L10C1	Single	561		2.4		#	#		#	



	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S. No.	ITEM	Type of Gallery	Horizontal Length of the Gallery (m)	General Slope of conveyor in Degrees	Head Room (m)	RCC Pit	SAND Pit	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
42	Conv.J9 – BRC1	Single	21		2.4		#	#		#	
43	Conv.J9 –C1	Single	262		2.4		#	#		#	
44	Conv.J9 – HC1	Single	15		2.4		#	#		#	
45	Conv.J10 – C2	Single	120		2.4		#	#		#	
46	Conv.J11 – C3	Single	116		2.4		#	#		#	
47	Conv.J11 – RSC2	Single	21		2.4		#	#		#	
48	Conv.J14 – C2	Single	310		2.4		#	#		#	
49	Conv.J15 – RC1	Single	10.5		2.4		#	#		#	
50	Conv.J15 – BC1	Single	10.5		2.4		#	#		#	

	<b>Augmentation of Raw Material Receipt &amp; Handling facilities with new OHP, Part-B</b>  <b>Civil Works</b>	<b>STEEL AUTHORITY OF INDIA LIMITED</b>  <b>BHILAI STEEL PLANT (BSP)</b>
<b>BHEL-ISG BANGALORE</b>	<b>SCOPE OF WORK</b>	<b>VOLUME –II SECTION A</b>

S. No.	ITEM	Type of Gallery	Horizontal Length of the Gallery (m)	General Slope of conveyor in Degrees	Head Room (m)	RCC Pit	SAND Pit	RCC Floors	RCC Roof	RCC Fdn. For str.Steel Shed	Brick Panel Walls
51	Conv.J15 – BC2	Single	10.5		2.4	—	#	#	—	#	—
52	Conv.J16 C3A –BC1	Single	17.3		2.4	—	#	#	—	#	
53	Conv.J9B–RSC1	Single	21		2.4	—	#	#	—	#	

# Indicates Scope to be Considered.

NOTE: Civil Works for Laying of all Water Supply and Fire Fighting System is Excluded from Bidder Scope .

**TENDER Ref: IS-1-08-2013**

**Date: 15. 05.2009**

**Addendum to Notice inviting Tender for Pre tender tie-up for Augmentation of Raw Material Receipt & Handling Facilities with New OHP, PART-B (Package No. 061) of Bhilai Steel Plant**

---

## **PRICE SCHEDULE**



## Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-B Civil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

### VOL. 4 - PRICE SCHEDULE

Sl. No.	BUILDING / STRUCTURE	AMOUNT	
		(In Number)	(In Words)
1	WAGON TIPPLER WITH Side Arm Charger		
2	TRACK HOPPER		
3	Ground Hopper		
<b>PENT HOUSES</b>			
4	PENT HOUSES PH - Conv Z3 C1/C2		
5	PENT HOUSES PH - Conv Z2 C1/C2		
<b>JUNCTION TOWERS</b>			
6	JH -Z1		
7	JH-Z2		
8	JH -Z3		
9	JH-Z4		
10	JH -Z5		
11	JH-Z6		
12	JH-Z6A		
13	JH -Z6B		
14	JH-Z5A		
15	JH -Z5B		
16	JH-Z4A		
17	JH -Z4B		
18	JH-Z7		
19	JH -Z8		
20	JH-Z9		



**Augmentation of Raw Material Receipt &  
Handling facilities with new OHP, Part-B  
Civil Works**

**STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)**

**VOL. 4 - PRICE SCHEDULE**

Sl. No	BUILDING / STRUCTURE	AMOUNT	
21	JH -Z10		
22	JH-Z11		
23	JH -Z12		
24	JH-Z13		
25	JH -Z15		
26	J9A		
27	J9		
28	JH-9H		
29	JH-9B		
30	JH-10		
31	JH - 11		
32	JH - 14		
33	JH - 15		
34	JH - 15B		
35	JH - 16A		
36	JH - 17		
37	JH - 17A		
38	JH - 17B		
39	JH - 20		
40	JH - 42		
41	J-N102		
42	JH-L1		
43	JH-L2		
44	JH-L3		



**Augmentation of Raw Material Receipt &  
Handling facilities with new OHP, Part-B  
Civil Works**

**STEEL AUTHORITY OF INDIA LIMITED BHILAI STEEL PLANT (BSP)**

**VOL. 4 - PRICE SCHEDULE**

Sl. No	BUILDING / STRUCTURE	AMOUNT	
45	JH-L4		
46	JH-L5		
47	JH-L6		



## Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-B Civil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

### VOL. 4 - PRICE SCHEDULE

Sl. No	BUILDING / STRUCTURE	AMOUNT	
48	JH-L7		
49	JH-L8		
50	JH-L9		
51	JH-L10		
<b>STACKER RECLAIMER</b>			
52	Stacker Rail Tracks 3 Nos		
53	Reclaimer RailTracks 3 Nos		
54	Stock pile area - 6Nos		
<b>ELECTRICAL MCC &amp; CONTROL ROOMS</b>			
55	SWGR Rooms - 3 Nos		
56	Main control room - Ground Floor & First Floor		
57	Wagon Tippler Control Room		
58	Battery Room		
59	Cable Galleries / trenches		
<b>MISCELLANEOUS</b>			
60	Sprinkler Lines for Wagon Tippler		
61	Ore Settling Tank		
62	Roads		
63	Drains		
64	Room for Rail Weigh Bridge		
65	Yard master Building (2 Storey)		
66	Workers Rest Room (2 Nos )		



# Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-B Civil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

## VOL. 4 - PRICE SCHEDULE

Sl. No	BUILDING / STRUCTURE	AMOUNT	
67	Canteen Buildings - (2Nos)		
68	Office Buildings with seperate Parking area		
69	Toilet Blocks - 2 Nos		
70	Area Repair Shop		
71	Ore Handling Area		
	(a) Closed Sub Store		
	(b) Open Ended Fenced yard		
72	Dust Supression Pump Houses - 6 Nos		
73	Dust Supression Water Tank - 6 Nos		
74	Air Compressor House - DS & RMS plant		
75	Ventillation Rooms		
76	Air Conditioning Room		
77	Fire Fighting System- Pump House & Reservoir		
78	Flood Light Mast Foundation in Stock Yard-		
<b>CONVEYOR TUNNELS</b>			
79	CT-Z1 C1/C2		
80	CT-Z2 C1/C2		
<b>CONV.TRESTLE FOUNDATIONS &amp; CONV.WALKWAY SLAB</b>			
81	Conv Z2 C1/C2		
82	Conv Z3 C1/C2		
83	Conv Z3 C1/C2/C3		
84	Conv Z6 C1/C2/C3		





# Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-B Civil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

## VOL. 4 - PRICE SCHEDULE

Sl. No	BUILDING / STRUCTURE	AMOUNT	
85	Conv Z6 C1/C2/C3		
86	Conv Z6 C2/C3		
87	Conv Z6A C1		
88	Conv Z6B C1		
89	Conv Z5A C1		
90	Conv Z5B C1		
91	Conv Z4A C1		
92	Conv Z4B C1		
93	Conv Z7 C1/C2		
94	Conv Z7 C1/C2		
95	Conv Z7 C3		
96	Conv Z8 C1/C2		
97	Conv Z9 C1/C2		
98	Conv Z10 C1/C2		
99	Conv Z11 C1/C2		
100	Conv Z12 C1/C2		
101	Conv Z13 C1/C2		
102	Conv Z15 C1/C2		
103	Conv Z15 C1/C2/C3		
104	J9-BRC1		
105	J9-C1		
106	J9-HC1		
107	J10-C2		
108	J11-C3		



**Augmentation of Raw Material Receipt &  
Handling facilities with new OHP, Part-B  
Civil Works**

**STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)**

**VOL. 4 - PRICE SCHEDULE**

Sl. No	BUILDING / STRUCTURE	AMOUNT	
109	J11-RSC2		
110	J14-C2		
111	J15- RC1		
112	J15-BC1		
113	J15-BC2		
114	J16-C3A		
115	J9B-RSC1		
116	J-15 C2		
117	J-16C3		
118	J-17C3		
119	J-17A -C1		
120	J-17BC1		
121	J -20 C3		
122	J-42-C2		
123	Conv.L1C1		
124	Conv.L2C1		
125	Conv.L3C1		
126	Conv.L4C1		
127	Conv.L5C1		
128	Conv.L6C1		
129	Conv.L7C1		
130	Conv.L8C1		
131	Conv.L9C1		
132	Conv.L9C2		



**Augmentation of Raw Material Receipt &  
Handling facilities with new OHP, Part-B  
Civil Works**

**STEEL AUTHORITY OF INDIA LIMITED BHILAI STEEL PLANT (BSP)**

**VOL. 4 - PRICE SCHEDULE**

Sl. No	BUILDING / STRUCTURE	AMOUNT	
133	Conv.L10C1		
<b>TOTAL</b>			
(Rs. )			
			Signature of Bidder with Seal



# Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-BCivil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

## VOL. 4 - PRICE SCHEDULE

S. No.	BUILDING / STRUCTURE	Estimated Quantities and Unit rates for Major Items as Considered in Lumpsum Price															
		R.C.C M30 grade concrete at all levels Excluding cost of cement (Cum)		M15 grade concrete at all levels Excluding cost of cement		Providing reinforcement steel in concrete at all levels Excluding cost of reinforcement steel		Providing and fixing anchor bolts in RCC foundations including providing sleeve pipes nuts washers welding including structural bolt, nuts as well as protection of threads		Grouting under column/pockets using non shrink cement		Providing brick work at all levels with cement motor		weathering course			
		Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate
1	WAGON TIPPLER WITH Side Arm Charger																
2	TRACK HOPPER																
3	Ground Hopper																
4	PENT HOUSES PH - Conv Z3 C1/C2																
5	PENT HOUSES PH - Conv Z2 C1/C2																
6	JH -Z1																
7	JH-Z2																
8	JH -Z3																
9	JH-Z4																
10	JH -Z5																
11	JH-Z6																
12	JH-Z6A																
13	JH -Z6B																
14	JH-Z5A																
15	JH -Z5B																
16	JH-Z4A																
17	JH -9A																
18	JH -9																
19	JH-9H																
20	JH-9B																
21	JH-10																
22	JH - 11																
23	JH - 14																
24	JH - 15																
25	JH - 15B																
26	JH - 16A																
27	JH - 17																
28	JH - 17A																
29	JH - 17B																
30	JH - 20																
31	J-N102																
32	JH -42																
33	JH-L1																
34	JH-L2																
35	JH-L3																
36	JH-L4																
37	JH-L5																



# Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-BCivil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

## VOL. 4 - PRICE SCHEDULE

S. No.	BUILDING / STRUCTURE	Estimated Quantities and Unit rates for Major Items as Considered in Lumpsum Price															
		R.C.C M30 grade concrete at all levels Excluding cost of cement (Cum)		M15 grade concrete at all levels Excluding cost of cement		Providing reinforcement steel in concrete at all levels Excluding cost of reinforcement steel		Providing and fixing anchor bolts in RCC foundations including providing sleeve pipes nuts washers welding including structural bolt, nuts as well as protection of threads		Grouting under column/pockets using non shrink cement		Providing brick work at all levels with cement motor		weathering course			
		Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate
38	JH-L6																
39	JH-L7																
40	JH-L8																
41	JH-L9																
42	JH-L10																
43	Stacker Rail Tracks 3 Nos																
44	Reclaimer RailTracks 3 Nos																
45	Stock pile area - 6Nos																
46	SWGR Rooms - 3 Nos																
47	OHP Main control room																
48	Control Room First Floor																
49	Wagon Tipler Control Room																
50	Battery Room																
51	Cable Galleries / trenches																
52	Sprinkler Lines																
53	Settling Tank																
54	Roads																
55	Road side drains																
56	Room Rail Weigh Bridge																
57	Yard master Building (2 Storey)																
58	Workers Rest Room (2 Nos -																
59	Canteen Buildings - (2Nos - 200Sq.M)																
60	Office Buildings with seperate Parking area (1No 700Sq.M and 1 No500Sq.M)																
61	Toilet Blocks - 2 Nos																
62	Area Repair Shop																
63	Ore Handling Area																
64	(a) Closed Sub Store																
65	(b) Open Ended Fence																
66	Dust Supression Pump Houses - 6 Nos																
67	Dust Supression Water Tank - 6 Nos																
68	Air Compressor House - DS & RMS plant																



# Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-BCivil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

## VOL. 4 - PRICE SCHEDULE

S. No.	BUILDING / STRUCTURE	Estimated Quantities and Unit rates for Major Items as Considered in Lumpsum Price															
		R.C.C M30 grade concrete at all levels Excluding cost of cement (Cum)		M15 grade concrete at all levels Excluding cost of cement		Providing reinforcement steel in concrete at all levels Excluding cost of reinforcement steel		Providing and fixing anchor bolts in RCC foundations including providing sleeve pipes nuts washers welding including structural bolt, nuts as well as protection of threads		Grouting under column/pockets using non shrink cement		Providing brick work at all levels with cement motor		weathering course			
		Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate
69	Ventillation Room s Nos:																
70	Air Conditioning Room																
71	Fire Fighting System- Pump House & Resrvoir & Civil Works for Pipe laying																
72	Flood Light Mast Foundation in Stock Yard																
73	TUNNELS																
74	CT-Z1 C1/C2																
75	CT-Z2 C1/C2																
76	GLLERIES																
77	Conv Z2 C1/C2																
78	Conv Z3 C1/C2																
79	Conv Z3 C1/C2/C3																
80	Conv Z6 C1/C2/C3																
81	Conv Z6 C1/C2/C3																
82	Conv Z6 C2/C3																
83	Conv Z6A C1																
84	Conv Z6B C1																
85	Conv Z5A C1																
86	Conv Z5B C1																
87	Conv Z4A C1																
88	Conv Z4B C1																
89	Conv Z7 C1/C2 -																
90	Conv Z7 C1/C2																
91	Conv Z7 C3																
92	Conv Z8 C1/C2																
93	Conv Z9 C1/C2																
94	Conv Z10 C1/C2																
95	Conv Z11 C1/C2																
96	Conv Z12 C1/C2																
97	Conv Z13 C1/C2																
98	Conv Z15 C1/C2																
99	Conv Z15 C1/C2/C3																
100	J9-BRC1																
101	J9-C1																
102	J9-HC1																
103	J10-C2																
104	J11-C3																
105	J11-RSC2																



# Augmentation of Raw Material Receipt & Handling facilities with new OHP, Part-BCivil Works

STEEL AUTHORITY OF INDIA LIMITEDBHILAI STEEL PLANT (BSP)

## VOL. 4 - PRICE SCHEDULE

S. No.	BUILDING / STRUCTURE	Estimated Quantities and Unit rates for Major Items as Considered in Lumpsum Price													
		R.C.C M30 grade concrete at all levels Excluding cost of cement (Cum)		M15 grade concrete at all levels Excluding cost of cement		Providing reinforcement steel in concrete at all levels Excluding cost of reinforcement steel		Providing and fixing anchor bolts in RCC foundations including providing sleeve pipes nuts washers welding including structural bolt, nuts as well as protection of threads		Grouting under column/pockets using non shrink cement		Providing brick work at all levels with cement motor		weathering course	
		Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate	Qty	Unit Rate
106	J14-C2														
107	J15- RC1														
108	J15-BC1														
109	J15-BC2														
110	J16-C3A														
111	J9B-RSC1														
112	J-15 C2														
113	J-16C3														
114	J-17C3														
115	J-17A -C1														
116	J-17BC1														
117	J -20 C3														
118	J-42-C2														
119	Conv.L1C1														
120	Conv.L2C1														
121	Conv.L3C1														
122	Conv.L4C1														
123	Conv.L5C1														
124	Conv.L6C1														
125	Conv.L7C1														
126	Conv.L8C1														
127	Conv.L9C1														
128	Conv.L9C2														
129	Conv.L10C1														
Sl. No	Description	QTY	Unit	Price in Rs	Remarks										
1	Estimated Quantity of Reinforcement steel for the total package in Metric Tonnes		MT		Take off Price										
2	Estimated Quantity of Cement for the Total Package in Metric Tonnes		MT		Take off Price										
3	Additional Price for supply and Fixing of Polymer Liners for Wagon Tipper and track Hopper in SQM.		SQM		ADDITIONAL PRICE										



## VOL. 4 - PRICE SCHEDULE

**Signature of Bidder with Office seal**