Bharat Heavy Electricals Limited, Piping Centre, Chennai.

List of Raw material Manufacturer approved by NTPC for Piping and Tank Fabrication with Vendor material

QCP : 17
Rev : 03
Date : 31.10.2019

Sl	Vendor Name	Location	Material	Remarks
A) PIPES (Seamless) : CS - Carbon steel ; SS - Stainless Steel				
1	BHEL / SSTP	Trichy	CS	**For Sl. 1 to 22 :- Refer Anneuxre-I : QCP:17:Rev01 dt:12/04/2011 for NTPC approval**
2	ISMT LIMITED	Baramathi / Ahmedanagar	CS	
3	JINDAL SAW	Nashik	CS	
4	MAHARASTRA SEAMLESS LTD	Raigad	CS	
5	REMI EDELSTAL TUBULARES LTD (upto 10")	Mumbai / Tarapur	SS, CS	
6	RATNAMANI METALS & TUBES LTD (upto 10")	Ahmedabad / Kutch	SS	
7	BENTELER STAHL/ROHR GMBH & CO.KG.	Germany	CS upto Dia 160mm	
8	DALMINE	Italy	CS	
9	SALZGITTER MANESSMANN STAINLESS (DMV STAINLESS)	France, Italy, Germany	SS	
10	HUTA BATORY SA	Poland	CS	
11	JFE,JAPAN (formerly Kawasaki Corpn.)	Japan	CS,SS	
12	NIPPON STEEL	Japan	CS,SS	
13	TENARIS GLOBAL (NKK TUBES)	Japan	CS	
14	PRODUCTOS TUBULARES S.A.U	Spain	CS	
15	ROMAN CORPORATION	Korea	SS	
16	SIDERCA S.A.I.C	Argentina	CS	
17	SUMITOMO METALS	Japan	CS,SS	
18	TENARIS DALMINE S.P.A	Italy	CS	
19	TUBACEX	Spain	SS	
20	TUBOS REUNIDOS S.A.	Spain	CS	
21	VALLOUREC & MANNESMANN TUBES	France,Germany	CS	
22	WYMAN-GORDON FORGINGS INC.	USA	CS	
23	ARCELORMITTAL TUBULAR PRODUCT ROMAN	Romania	CS	**For Sl. 23 to 31 :- Refer Anneuxre-II : Ref :01/CQA/gs dt : 24/02/2016 for NTPC approval**
24	HENGYANG STEEL TUBE GROUP INT'L	China	CS	
25	JIANGSU CHENGDE STEEL TUBE	China	CS upto Dia 219mm	
26	RINGMILL	Italy	Forged CS Pipes	
27	VALCONVY TRUB CHOMUTOV	CZECH REP.	CS	
28	BAOSHAN IRON & STEEL CO. LTD	China	CS Upto Dia 88.9mm	
29	TENARIS GLOBAL (SILCO TUBES)	Romania	CS Upto Dia 159mm	
30	IBF SPA	Italy	CS	
31	YANGZHOU CHENGDE STEEL PIPE CO. LTD.	China	CS	
32	YANGZHOU LONTRIN STEEL TUBE CO. LTD.	China	CS	**For Sl. 32 to 34 :- Refer Annexure- IV for NOA of Panki 1x660 MW (page 3 of 3)**
33	VALLOUREC CHANGZHOU CO. LTD	China	CS	
34	HMTL	India	CS	
B) PIPES (Welded):IS 1239, IS 3589, SA 672, API & SS.				
1	ADVANCE STEEL TUBES LTD	GAZIABAD	IS3589 up to NB250, IS 1239	
2	APEX TUBES PVT. LTD,	GURGAON	SS	

Prepared by	Reviewed by	Approved by
J Nanthini	D Sandra Priya	K V Ramani
Dy.Mgr/QA	Dy.Mgr/QA	AGM/Engg&Quality

Bharat Heavy Electricals Limited, Piping Centre, Chennai.

List of Raw material Manufacturer approved by NTPC for Piping and Tank Fabrication with Vendor material

QCP : 17
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Sl	Vendor Name	Location	Material	Remarks
3	APL APOLLO TUBES LIMITED,	DELHI	IS 1239,BS 3059, IS1161	**For Sl. 1 to 44 :-** **Shall be as per BHEL's Internal System**
4	ASIAN MILLS PVT LTD	AHMEDABAD	IS 3589 up to NB500, IS 1239	
5	ALTEC FABRICATORS	TRICHY	IS 3589 > 2540mm	
6	BHUSHAN STEEL LIMITED,	MUMBAI	IS3589 up to NB 400, API5GRX52, API5LGRB	
7	CAPACITE STRUCTURES LTD.	MUMBAI	IS3589 NB450-2500 ; IS3589> 2540 mm	
8	ESSAR STEEL INDIA LTD	HAZIRA	IS3589 NB300-2500, IS3589> 2540 mm, API5GRX52, API5LGRB	
9	EXCEL INDUSTRIES.,	HYDERABAD	IS 3589 > 2540mm	
10	GAJANAN TUBES PVT LTD	CALCUTTA	IS3589 up to NB400, IS 1239	
11	GAURANG PRODUCTS PVT LTD	DELHI	IS3589 up to NB400, IS 1239,BS 3059, IS1161 API5GRX52,API5LGRB	
12	GOODLUCK INDIA LIMITED	GAZIABAD	IS3589 up to NB250, IS 1239 ,API5GRX52, API5LGRB	
13	HI-TECH PIPES LIMITED,	DELHI	IS3589- up to NB400, IS 1239	
14	INDUS TUBES LTD	DELHI	IS3589- up to NB250, IS 1239	
15	JCO GAS PIPE LTD.	BHOPAL	IS3589 NB300-2500	
16	JINDAL (INDIA) LIMITED,	CALCUTTA	IS3589 up to NB400, API5GRX52, API5LGRB	
17	JINDAL INDUSTRIES LTD.,	ROHTAK	API5GRX52,API5LGRB, IS3589, IS 1239, BS 3059, IS1161	
18	JINDAL PIPES LTD.	GURGAON	API5GRX52,API5LGRB, IS3589, IS 1239, BS 3059, IS1161	
19	JINDAL SAW LTD.,	DELHI	IS3589 NB300-2500, IS 3589 > 2540mm, API5GRX52, API5LGRB	
20	LALIT PIPES AND PIPES LIMITED	MUMBAI	A672, API5GRX52, API5LGRB, IS3589 NB450-2500	
21	MAHARASHTRA SEAMLESS LTD.,	CHENNAI	API5GRX52,API5LGRB,IS3589	
22	MAN INDUSTRIES (INDIA) LTD.	MUMBAI	API5GRX52,API5LGRB, IS3589, A672	
23	MEGHA ENGINEERING	HYDERABAD	IS3589 NB450-2500, IS3589 > 2540 mm	
24	MKK METAL SECTIONS PVT LTD	RANIPET	IS3589 up to NB400, IS 1239, BS 3059, IS1161	
25	MUKAT TANKS AND VESSELS PVT LTD	MUMBAI	IS3589 up to NB300-2500, A672	
26	NEZONE TUBES LIMITED,	CALCUTTA	IS 1239, BS 3059, IS1161	
27	P.S.STEEL TUBES LTD, UNIT II	BHILAI	IS 1239, BS 3059, IS1161	
28	PRAKASH STEELAGE LTD	MUMBAI	SS	
29	PSL LIMITED,	CHENNAI	API5GRX52,API5LGRB, IS3589	
30	RATNAMANI METALS & TUBES LTD.,	AHMEDABAD	API5GRX52,API5LGRB,IS3589 - all sizes, A672, SS	
31	RAVINDRA TUBES LIMITED,	DELHI	IS1239	
32	REMI EDELSTAHL TUBULARS LIMITED,	MUMBAI	SS	
33	RIDDHI STEEL & TUBES (P) LTD	AHMEDABAD	IS3589- up to NB250, IS 1239,BS 3059, IS1161	
34	SG HEAVY ENGINEERING PVT LTD	MUMBAI	IS3589 NB300-2500, IS3589 > 2540 mm	
35	STEEL AUTHORITY OF INDIA LTD	CHENNAI	IS3589 up to NB400	
36	SURYA ROSHNI LTD	DELHI	IS 1239, API5GRX52, API5LGRB, IS3589 up to 2500NB, BS 3059, IS1161	

Prepared by	Reviewed by	Approved by
J Nanthini	D Sandra Priya	K V Ramani
Dy.Mgr/QA	Dy.Mgr/QA	AGM/Engg&Quality

Bharat Heavy Electricals Limited, Piping Centre, Chennai.

List of Raw material Manufacturer approved by NTPC for Piping and Tank Fabrication with Vendor material

QCP : 17
Rev : 03
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Sl	Vendor Name	Location	Material	Remarks
37	SWASTIK PIPES LIMITED,	DELHI	PIPES-IS3589 up to NB400, IS 1239, BS 3059, IS1161	
38	TAMIL NADU STEEL TUBES LTD	CHENNAI	IS1239 upto NB150, BS 3059, IS1161	
39	TATA STEEL LIMITED.	CHENNAI	IS 1239	
40	TOPWORTH PIPES & TUBES PVT.LTD.,	MUMBAI	IS1239, IS3589 NB450-2500	
41	VENKATESWARA CONDUITS PVT.LTD	CHENNAI	PIPES- IS 1239	
42	VENUS PIPES & TUBES PVT. LTD	GANDHINAGR	SS	
43	WELSPUN CORP LIMITED,	MUMBAI	IS3589 - all sizes, IS1239, API5GRX52, API5LGRB,	
44	ZENITH BIRLA (INDIA) LIMITED	MUMBAI	IS 1239, BS 3059, IS1161	
C)	**PLATES**			
1	ESSAR STEEL	Hazira	CS	**For Sl. 1 to 10 :-** Refer Anneuxre-I : QCP:17:Rev01 dt:12/04/2011 for NTPC approval
2	JINDAL STEEL	Raigarh / Hissar	CS, SS	
3	LLOYDS STEEL	Wardha	CS	
4	STEEL AUTHORITY OF INDIA LTD	Bhilai / Salem	CS, SS	
5	DILLING-GTS VENTES	Germany	CS, SS	
6	INDUSTEEL FRANCE	France	CS, SS	
7	METAL ONE CORPORATION	Japan	CS, SS	
8	INDUSTEEL BELGIUM	Belgium	CS, SS	
9	THYSSEN KRUPP STAHLUNION GMBH	Germany	CS, SS	
10	VOEST ALPINE GROBBLECH GmbH &CO KG	Austria	CS	
11	ACRONI.D.O.O,	Slovenia	CS, SS	**For Sl. 11 to 16 :-** Refer Anneuxre-III : Ref :01/CQA/gs dt : 24/02/2016 for NTPC approval
12	REINER BRACH GMBH & CO.KG	Germany	CS	
13	ILSENBURGER GROBBLECH (SALZGITTER MANNESMANN)	Germany	CS, SS	
14	NIPPON STEEL CORPORATION	Japan	CS	
15	POSCO	Republic of Korea	CS	
16	KOLUMBUS STAINLESS STEEL (ACRINOX)	South Africa	SS	
17	OUTOKUMPU	Sweden	SS upto 20 mm thickness	**For Sl. 17 to 19 :-** Refer Annexure-V for NOA of Patratu 3x660 MW
18	JSL STAINLESS	Jaipur	SS	
19	ARCELOR MITTAL GALATI	Romania	CS upto 80 mm thickness	
D)	**FITTINGS**			
1	DEE DEVELOPMENT ENGINEERS LTD	Faridabad	CS,AS,SS, Formed Fittings - SA234, SA420, SA403	
2	FLASH FORGE PVT LTD	Vizag	CS,AS,SS, Formed Fittings - SA234, SA420, SA403	
3	SIDDARTH AND GAUTAM ENGINEERS	Faridabad	CS,AS,SS, SW Fittings	
4	UNITECH MACHINES LTD	Saharanpur	CS,AS,SS	

Prepared by	Reviewed by	Approved by
J Nanthini	D Sandra Priya	K V Ramani
Dy.Mgr/QA	Dy.Mgr/QA	AGM/Engg&Quality

Bharat Heavy Electricals Limited, Piping Centre, Chennai.

List of Raw material Manufacturer approved by NTPC for Piping and Tank Fabrication with Vendor material

QCP : 17
Rev : 03
Date : 31.10.2019

Sl	Vendor Name	Location	Material	Remarks
5	RAY ENGG ENTERPRISES	Calcutta	IS1239	**For Sl. 1 to 30 :-** **Refer Annexure-VI : Shall be as per BHEL's Internal System (Ref :NOA of Patratu 3x660 MW)**
6	INDL. PRODUCT MARKETING CORPORATION	Chennai	IS 1239	
7	P.K.TUBES & FITTINGS PVT. LTD,	Gurgoan	CS,AS,SS	
8	SKY FORGE PVT. LTD.	Faridabad	IS 1239	
9	EFTEN ENGINEERING PVT.LTD.,-	SRIPERUMBUDUR	CS,AS,SS,SW fittings	
10	FIT TECH INDUSTRIES,	THANE.	CS, SS,AS,SW fittings	
11	GUJARAT INFRAPIPES PVT. LTD.,	BARODA	CS,AS,SS	
12	HARIHAR ALLOYS (P) LTD.	TRICHY	only SW fittings	
13	INTER TECH FITTINGS INDIA PVT LTD	THANE.	CS, AS	
14	K. S. PIPE FITTINGS PVT.LTD	FARIDABAD.	CS, AS, Formed Fittings - SA234, SA420, SA403	
15	NAV DURGA FORGING & FITTINGS	MUMBAI	only SW fittings	
16	ARSHYA ENGINEERS & FABRICATIONS	PALWAL	CS, IS 1239	
17	PETRO-CHEM INDUSTRIES	VADODARA	CS,AS,SS,IS 1239	
18	PARMAR TECHNO FORGE,	PUNE	CS	
19	SAWAN ENGINEERS PVT LTD	VADODARA	CS,AS,SS,SW fittings	
20	UI PIPE FITTINGS PVT LTD.,	MEDAK DIST.	CS,AS,SS,IS 1239	
21	VAIBHAV FITTINGS INDIA PVT LTD	GUJARAT	only SW fittings	
22	ALLIED INTERNATIONAL SRL	ITALY	AS,CS, Formed Fittings - SA234, SA420, SA403	
23	IBF SPA	ITALY	Formed Fittings - SA234, SA420, SA403	
24	IGAWARA INDL SERVICE & TRADING PTE	SINGAPORE	CS, AS, Formed Fittings - SA234, SA420, SA403	
25	LONGSHAN PIPE SOULTIONS CO LTD	CHINA	Formed Fittings - SA234, SA420, SA403	
26	MEGA SPA	ITALY	CS, AS	
27	PETROL RACCORD SPA	ITALY	CS,AS, Formed Fittings - SA234, SA420, SA403	
28	SHANGHAI CHANGQIANG INDUSTRIAL	SHANGHAI	CS, AS, Formed Fittings - SA234, SA420, SA403	
29	SHENYANG DONGGUAN POWER	CHINA	CS	
30	SUNGKWANG BEND CO LTD	SOUTH KOREA	CS,AS	
E)	**DISHED ENDS**			**For Sl. 1 to 3 :-** **Refer Annexure - I : QCP:17:01 dt:12.04.2011 for NTPC approval**
1	SATHYA FABRICATORS Pvt. LIMITED.	Hyderabad	CS	
2	METAL ENGINEERS.	Hyderabad	CS	
3	SOUTHERN HEAVY ENGINEERING P. LTD.	Sriperumbhudur	CS	
4	DISH INDIA (P) LTD	Delhi	CS	**For Sl. 4:-Refer Annexure VII - Ref:01/ CQA/2260-101-19052014 Dt 19/05/2014**

Prepared by	Reviewed by	Approved by
J Nanthini	D Sandra Priya	K V Ramani
Dy.Mgr/QA	Dy.Mgr/QA	AGM/Engg&Quality

ANNEXURE - I : Ref : QCP-17 Rev 01 Dt 12.04.2011

	Bharat Heavy Electricals Limited, Piping Centre, Chennai. **List of Raw material Manufacturer approved by NTPC for Piping and Tank Fabrication with Vendor material**		QCP : 17 Rev : 01 Date : 12.04.11
Sl	**Vendor Name**	**Location**	**Material**
A)	**PIPES (Seamless) : CS -Carbon steel ; SS-Stainless Steel**		
1	BHEL / SSTP	Trichy	CS
2	ISMT LIMITED	Baramathi / Pune	CS
3	JINDAL SAW	Gujarat	CS
4	MAHARASTRA SEAMLESS LTD	Maharastra	CS
5	REMI EDELSTAL TUBULARES LTD (upto 10")	Mumbai / Tarapur	SS
6	RATNAMANI METALS & TUBES LTD (upto 10")	Ahmedabad / Kutch	SS
7	BENTELER STAHL/ROHR GMBH & CO.KG.	Germany	CS
8	DALMINE	Italy	CS
9	DMV STAINLESS	France, Italy, Germany	SS
10	HUTA BATORY SA	Poland	CS
11	JFE,JAPAN (formerly Kawasaki Corpn.)	Japan	CS,SS
12	NIPPON STEEL	Japan	CS,SS
13	NKK CORPORATION	Japan	CS
14	PRODUCTOS TUBULARES S.A.U	Spain	CS
15	ROMAN CORPORATION	Korea	SS
16	SIDERCA S.A.I.C	Argentina	CS
17	SUMITOMO CORPORATION	Japan	CS,SS
18	TENARIS DALMINE S.P.A	Italy	CS
19	TUBACEX	Spain	SS
20	TUBOS REUNIDOS S.A.	Spain	CS
21	VALLOUREC & MANNESMANN TUBES	France,Germany	CS
22	WYMAN-GORDON FORGINGS INC.	USA	CS
B)	**PIPES (Welded):IS 1239,IS 3589,SA 672,API.**		
1	JINDAL PIPES (ERW) UPTO 14 INCH	Ghaziabad	IS 1239,IS 3589,API
2	LALIT PIPES AND PIPES LIMITED (LS welded)	Mumbai	IS 3589,SA 672
3	MAHARASTRA SEAMLESS LTD(ERW UPTO 20 ")	Raigad,Maharashtra	IS 3589
4	MAN INDUSTRIES (INDIA) LTD. (LS & Spiral welded)	Pithampur/Gujarat	IS 3589,SA 672
5	PSL LIMITED (Spiral welded)	Vizag/Chennai/Gujarat	IS 3589
6	RATNAMANI METALS & TUBES LTD (LS & Spiral welded)	Kutch	IS 3589, SA672,API
7	STEEL AUTHORITY OF INDIA LTD	India	IS 3589,API
8	SURYA ROSHNI LTD (ERW) UP TO 16 INCH	Bahadurgarh,Haryana	IS 1239,IS 3589,API

NTPC		**BHEL**	
	12/04/11	Prepared by G.Panneer Selvam, DGM/QA	Approved by P.Elangovan AGM / Quality

	Bharat Heavy Electricals Limited, Piping Centre, Chennai. **List of Raw material Manufacturer approved by NTPC for Piping and Tank Fabrication with Vendor material**		**QCP : 17** **Rev : 01** **Date : 12.04.11**
Sl	**Vendor Name**	**Location**	**Material**
9	TATA STEEL LIMITED	Jamshedpur	IS 1239
10	WELSPUNE GUJARAT STAHL LS & Spiral welded)	Gujarat / Mandya	IS 3589
11	SAMSHI PIPES INDUSTRIES LTD (formerly GPT)	Vadodhara	IS 3589 (Spiral welded)
12	SURYA GLOBAL STEEL TUBE LTD (Spiral welded)	Gujarat	IS 3589
C)	**PLATES**		
1	ESSAR STEEL	Hazira	CS
2	JINDAL STEEL	Raigarh / Hissar	CS, SS
3	LLOYDS STEEL	Wardha	CS
4	STEEL AUTHORITY OF INDIA LTD	India	CS, SS
5	DILLING-GTS VENTES	France	CS, SS
6	INDUSTEEL FRANCE	France	CS, SS
7	METAL ONE CORPORATION	Japan	CS, SS
8	INDUSTEEL BELGIUM	Belgium	CS, SS
9	THYSSEN KRUPP STAHLUNION GMBH	Germany	CS, SS
10	VOEST ALPINE GROBBLECH GmbH &CO KG	Austria	CS
D)	**FITTINGS**		
1	DEE DEVELOPMENT ENGINEERS LTD	Faridabad	CS,SS
2	EBY FASTENERS	Mumbai	CS,SS
3	FLASH FORGE PVT LTD	Vizag	CS,SS
4	S&G ENGINEERS (P) LTD	Faridabad	CS,SS
5	SIVANANDHA PIPE FITTINGS LTD	Tamilnadu	CS,SS
6	TUBE PRODUCTS INCORPORATE	Baroda	CS,SS
7	UI PIPE FITTINGS PVT LTD	Hyderabad	CS,SS, IS1239
8	UNITECH MACHINES LTD	Saharanpur	CS,SS
9	RAY ENGG ENTERPRISES	Calcutta	IS1239
10	INDL. PRODUCT MARKETING CORPORATION	Chennail	IS 1239
11	P.K.TUBES & FITTINGS PVT. LTD,	Gurgoan	CS
12	SKY FORGE PVT. LTD.	Ballabgarh	IS 1239
E)	**DISHED ENDS**		
1	SATHYA FABRICATORS Pvt. LIMITED.	Hyderabad	CS
2	METAL ENGINEERS.	Hyderabad	CS
3	SOUTHERN HEAVY ENGINEERING P. LTD.	Sriperumbhudur	CS

NTPC		**BHEL**	
	12/04/11	Prepared by G.Panneer Selvam, DGM/QA	Approved by P.Elangovan AGM / Quality

ANNEXURE - II
Ref : 01/CQA/gs Dt 24.02.2016

एनटीपीसी
NTPC

एन टी पी सी लिमिटेड
भारत सरकार का उद्यम
NTPC Limited
A Govt. of India Enterprise
(Formerly National Thermal Power Corporation Ltd.)

केन्द्रीय कार्यालय/Corporate Centre, Noida

Ref: 01/CQA/gs

DATE: 24.02.2016

Mr.A.P.Madhavan Kutty
AGM-Quality,
BHEL-Piping Center,
Chennai.

Sub: Acceptance of Raw Materials suppliers for supply of Seamless Carbon Steel Pipes for SG Packages(through PVM vendors) of Vindhyachal-V(1X500),Singareni(1X600),Mouda-II(2X660),Nabinagar(3X660), Gadarwara(2X800), Unchahar(2X660), Darlipalli(2X800), Barh stage1(3x660), Telangana(2X800) Projects.

Dear Sir,

This has reference to your subject proposal requesting to approve various raw materials suppliers of Carbon Steel Pipes for the projects mentioned above.The proposal has been reviewed and accepted as under for the above mentioned projects:

	Source	Origin/Country	Material Spec
1	ARCELOR MITTAL	Romania	CS
2	HENGYANG VALIN STEEL TUBE CO.	China	CS
3	JIANGSU CHENGDE STEEL TUBE SHARE	China	CS
4	RINGMIL	Italy	Forged CS Pipes
6	VALCONVY TRUB CHOMUTOV	CZECH REP.	CS
7	BAOSHAN IRON & STEEL CO. LTD	China	CS Upto Dia 88.9mm
8	TENNARIS GLOBAL (SILCO TUBES)	Romania	CS Upto Dia 159mm
9	IBF SPA	Italy	CS
10	YANGZHOU CHENGDE STEEL PIPE CO. LTD.	China	CS

The above acceptance is subject to materials meeting NTPC Technical Specifications.
The above approval is in addition to the existing approved list vide QCP:17/01 dated 12/04/2011.

for P Chandra

With Regards,
CTF **Copy to:** GM (QA&I)- for kind information.
I/C RIO-Trichy

ANNEXURE - III
Ref : 01/CQA/gs Dt 24.02.2016

एनटीपीसी
NTPC

एन टी पी सी लिमिटेड
भारत सरकार का उद्यम
NTPC Limited
A Govt. of India Enterprise
(Formerly National Thermal Power Corporation Ltd.)

केन्द्रीय कार्यालय/Corporate Centre, Noida

Ref: 01/CQA/gs

DATE: 24.02.2016

Mr.A.P.Madhavan Kutty
AGM-Quality,
BHEL-Piping Center,
Chennai.

Sub: Acceptance of Raw Materials suppliers for supply of Carbon Steel Plates for SG Packages(through PVM vendors) of Vindhyachal-V(1X500),Singareni(1X600),N.Karanpura(3X660),Nabinagar(3X660), Gadarwara(2X800), Unchahar(2X660), Darlipalli(2X800), Barh stage1(3x660), Telangana(2X800) Projects.

Dear Sir,

This has reference to your subject proposal requesting to approve various raw materials suppliers of Carbon Steel Plates for the on-going projects.The proposal has been reviewed and accepted as under for the above mentioned projects:

No	Source / address	Origin/Country	Material Spec
1	REINER BRACH GMBH & CO.KG AUF DEN DELBEN 35, 28237 BREMEN, GERMANY	Germany	CS- SA 515, BS EN 10025, A 36, IS 2062 & OTHER STRUCTURAL STEEL GRADES AS- UP TO GRADE 22
2	ACRONI.D.O.O CESTA, BORISA, KIDRICA 44, SI- 4270 JESENICE, SLOVENIA	Slovenia	CS - SA 515, BS EN 10025, A 36, IS 2062 & OTHER STRUCTURAL STEEL GRADES AS- UP TO GRADE 91
3	ILSENBURGER GROBBLECH SALZGITTER MANNESMANN) VECKENSTEDTER WEG 10, D- 38871, ILSENBURG, GERMANY	Germany	CS- SA 515, BS EN 10025, IS 2062 & OTHER STRUCTURAL STEEL GRADES AS UP TO GRADE 91
4	NIPPON STEEL CORPORATION NAGOYA WORKS, 5-3 TOKAIMACHI, TOKAI CITY, AICHI PREFECTURE, 476-8686, JAPAN	Japan	CS- SA 515, BS EN 10025, IS 2062 & OTHER STRUCTURAL STEEL GRADES AS- UP TO GRADE 22
5	POSCO POSCO CENTER, 892 DAECHI 4- DONG, GANGNAM-GU,SEOUL, 135- 777, REPUBLIC OF KOREA	Republic of Korea	CS- SA 515, BS EN 10025, A 36, IS 2062 & OTHER STRUCTURAL STEEL GRADES AS UP TO GRADE 22
6	COLUMBUS STAINLESS STEEL (ACRINOX) MIDDLEBURG, 1050 P.B.NO, 133, SOUTH AFRICA	South Africa	SS(GRADE 304, 309, 310, 316)

The above acceptance is subject to materials meeting NTPC Technical Specifications.
The above approval is in addition to the existing approved list vide QCP:17/01 dated 12/04/2011.

With Regards,

CTF **Copy to:** GM (QA&I)- for kind information.
I/C RIO-Trichy

ANNEXURE - IV
Ref : NOA OF PANKI 1X660 MW

	Project:	PANKI	1x660	MW	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			DOC. NO. :		14A1A-SPC-G-0001
	Package:	EPC						REV. NO. :		
	Supplier:	BHEL						DATE:	14.06.2018	
	Contract No.:	14A1A-SPC-G-0001			SUB-SYS	STEAM GENERATOR/RAW MATERIALS				
S.No.	ITEM	QP/Insp. Cat.	QP No.	QP Sub-Schedule	QP approval schedule	Proposed sub-supplier	Place	Suppliers approval status/ category	supplier Details submission schedule	Remarks
		$				HMT	GUJARAT	A		HOT FINISHED CS GRADE (UPTO 76.2 MM OD & 12 MM THK)
		$				CHANGZHOU CHANGBAO PRECISION	CHINA	A		T-11,12
2	SEAMLESS TUBES(RIFLED)	$				SALZGITTER MANESS/AMANN PRECISION	FRANCE	A		CS
		$				CHANGHOU CHANGBAO PRECISION	CHINA	A		T-11,12
		$				BAOSHAN STEEL	CHINA	DR		
		$				TENNARIS GLOBAL(DALMINE)	ITALY	DR		
		$				SUMITOMO	JAPAN	DR		
		$				TUBOS REUNIDOS	SPAIN	A		
3	SEAMLESS TUBES(SS)	$				KOBE	JAPAN	A		SS 304,SS347H
		$				POSCO SPL STEEL CO	KOREA	A		SS 304,347H,SUPER 304
		$				TUBACEX	SPAIN	A		
		$				SMST	ITALY	A		SS 304,347H, SUPER 304
	SEAMLESS TUBES(SS)UPTO DIA<76.1MM	$				SUMITOMO METAL IND LTD.	JAPAN	A		SS 304,347H, SUPER 304
	SEAMLESS TUBES(SS) UPTO OD 159.0MM & WT-12.5MM	$				HUADI STEEL GROUP	CHINA	A		SS 304, 304H,347H(WITH TPI) SUB TO CONDITIONS
	SEAMLESS TUBES(SS) UPTO OD 159.0MM & WT-12.5MM	$				ZHEJIANG JIULI HI TECH	CHINA	A		SS 304, 304H,347H(WITH TPI) SUB TO CONDITIONS
						PRODUCTUS TUBLARES	SPAIN	DR		
4	SEAMLESS PIPES	$				TUBACEX	SPAIN	A		SS PIPES
		$				SUMITOMO METALS	JAPAN	A		P-92,P-91,P-22,P-11,P-12,CS
		$				VALLOREC TUBES	FRANCE	A		P-92,P-91,P-22,P-11,P-12,CS

26/07/18

14/6/18

नंदिनी. जे / NANTHINI .J
उप प्रबंधक, गुणवत्ता / Deputy Manager, Quality
बीएचईएल, पाईपिंग सेन्टर / BHEL, Piping Centre
टी. नगर, चेन्नै - 17 / T. Nagar, Chennai - 17

	Project:	PANKI	1x660	MW	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			DOC. NO.:		14A1A-SPC-G-0001
	Package:	EPC						REV. NO.:		
	Supplier:	BHEL						DATE:	14.06.2018	
	Contract No.:	14A1A-SPC-G-0001			SUB-SYS	STEAM GENERATOR/RAW MATERIALS				
S.No.	ITEM	QP/Insp. Cat.	QP No.	QP Sub-Schedule	QP approval schedule	Proposed sub-supplier	Place	Suppliers approval status/ category	supplier Details submission schedule	Remarks
		$				HENGYANG VALIN STEEL TUBE COL	CHINA	A		CS
		$				BHEL SSTP	TRICHY	A		CS
		$				TUBOS REUNIDOS	SPAIN	A		P-91,P-22,P-11,P-12,CS
		$				VALCONVY TRUB	CZECH REP	A		CS,P-11,P-12,P-22
		$				ACELOR MITTAL	ROMANIA	A		CS
		$				WAYMAN GORDAN	USA	A		P-91,P-92,P-22,P-11,P-12,CS
		$				TENNARIS GLOBAL(NKK TUBES)	JAPAN	A		P-91,P-22,P-11,P-12,CS
		$				IBF SPA	ITALY	A		P-92,P-91,P-22,P-11P-12,CS
		$				JFE(KAWASAKI)	JAPAN	A		P-92,P-91,P-22,P-11,P-12,CS
		$				PRODUCTUS TUBLARES	SPAIN	A		P-91,P-22,P-11P-12,CS
		$				VALLOREC & MANNESMANN	GERMANY	A		P-92,P-91,P-22,P-11,P-12,CS
		$				TENNARIS GLOBAL(DALMINE)	ITALY	A		P-91,P-22,P-11,P-12,CS
		$				JINDAL SAW LTD.	NASHIK	A		CS,P-11,P-22 ,P-12,SUB TO CONDITIONS
		$				ISMT	AHMEDANAGAR/BARAMATI	A		CS,P-11,P-22,P-12, SUB TO CONDITIONS
		$				YANGZHOU CHENGDE STEEL PIPE CO. LTD.	CHINA	A		P-92,P-91,P-22,P-11,P-12,CS SUB TO TPIA INSPECTION CONDITIONS
		$				MSL	RAJGAD	A		CS SUB TO CONDITIONS
		$				REMI	BHARUCH	A		CS,P-11,P-22 ,P-12,SUB TO CONDITIONS
		$				RATNAMANI	MUMBAI	DR		CS
		$				ZIZIANG GROSS	CHINA	DR		CS
	SEAMLESS PIPES(DIA UPTO 159MM)	$				PRODUCTUS TUBLARES	SPAIN	DR		FOR P92 GRADE
	SEAMLESS PIPES(UPTO 160MM)	$				TENNARIS GLOBAL SILCO TUBES)	ROMANIA	A		P-91,P-22,P-11,P-12,CS
	SEAMLESS PIPES(UPTO 219.0MM)	$				BENTLER	GERMANY	A		P-92,P-91,P-22,P-11,P-12,CS
						JIANGSU CHENGDE STEEL TUBE	CHINA	A		P-92,P-91,P-22,P-11,P-12,CS SUB TO TPIA INSPECTION CONDITIONS

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	Project:	PANKI	1x660	MW	LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO. :		14A1A-SPC-G-0001
					AND SUB-SUPPLIER APPROVAL			REV. NO. :		
	Package:	EPC						DATE:	14.06.2018	
	Supplier:	BHEL								
	Contract No.:	14A1A-SPC-G-0001			SUB-SYS	STEAM GENERATOR/RAW MATERIALS				
S.No.	ITEM	QP/Insp. Cat.	QP No.	QP Sub-Schedule	QP approval schedule	Proposed sub-supplier	Place	Suppliers approval status/ category	supplier Details submission schedule	Remarks
	SEAMLESS PIPES(UPTO 88.9MM)	$				BAOSHAN IRON & STEEL CO. LTD.	CHINA	A		CS SUBJECT TO CONDITION
	SEAMLESS PIPES(UPTO OD 914 X WT 102 MM)	$				RINGMIL	ITALY	A		FORGED CS PIPE
	Seamless Pipes upto SA335 P22 grade					M/s Yangzhou Lontrin Steel Tube Co. Ltd., China	China	A		
	Pipe:- Upto 114.30 mm OD & 8.02mm Thickness					M/s HMTL, India	India	A		
	Seamless Alloy Steel Forged Pipes upto Grade 91					M/s Ringmill SpA, Italy	Italy	A		
	Pipes upto Grade Gr 91 and 92					M/s Vallourec Changzhou Co. Ltd., China	China	A		
5	PLATES & ROLLED SECTION(UPTO GRADE 91)	$				INDUS STEEL	BELGIUM	A		CS-SA515 AS UP TO GR-91
		$				ILSENBURGER GROBBLECH(SALZGITTER MANESSMANN)	GERMANY	A		CS-SA 299, SA515, BS EN 10025, IS 2062 OTHER STRUCTURAL STEEL GRADES; AS UPTO GR.-91
		$				DILLINGER-GTSVENTES	GERMANY	A		CS-SA 299, SA515, BS EN 10025, A36, IS 2062 OTHER STRUCTURAL STEEL GRADES; AS UPTO GR.-91
		$				ARCONI D.O.O.	SLOVENIA	A		CS- SA515, BS EN 10025, A36, IS 2062 OTHER STRUCTURAL STEEL GRADES; AS UPTO GR.-91
6	PLATES & ROLLED SECTION(UPTO GRADE 22)	$				THYSEEN KRUPP	GERMANY	A		CS- SA515 BS EN 10025 A36 IS 2062 OTHER STRUCTURAL STEEL GRADES, AS UPTO GR.-22
		$				INDUSTEEL LOIRE	FRANCE	A		CS-SA 299, SA515; AS UPTO GR.-22
		$				ESSAR STEEL LTD.	HAZIRA	A		CS- SA515, BS EN 10025, A36, IS 2062, OTHER STRUCTURAL STEEL GRADES; AS GR.-12 &22

J.N.S.C.

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16/6/18

ANNEXURE - V
Ref : NOA OF PATRATU 3X660 MW

	Project:	PATRATU	3x800	MW	LIST OF ITEMS REQUIRING QUALITY PLAN		DOC. NO. :	CS-9585-001-2	
					AND SUB-SUPPLIER APPROVAL		REV. NO. :		
	Package:	EPC					DATE:	06.04.2017	
	Supplier:	BHEL							
	Contract No.:	CS-9585-001-2			SUB-SYS	STEAM GENERATOR/RAW MATERIALS			

S.No.	ITEM	QP/Insp. Cat.	QP No.	QP Sub-Schedule	QP approval schedule	Proposed sub-supplier	Place	Suppliers approval status/ category	supplier Details submission schedule	Remarks
		$				REINER BRACH GMBH & CO.	GERMANY	A		CS- SA 299 SA515 BS EN 10025 A36 IS 2062 OTHER STRUCTURAL STEEL GRADES; AS UPTO GR.-22.
		$				JFE	JAPAN	DR		
		$				CLABECQ	BELGIUM	DR		
		$				JSPL	INDIA	DR		
		$				DUFERCO	GERMANY	DR		
		$				GULDE	GERMANY	A		MEMBRANE FINS UPTO GR-22
		$				ARCELLOR MITTAL	ROMANIA	DR		
		$				METAL ONE	JAPAN	DR		MEMBRANE FINS UPTO GR-12
		$				LLYODS STEEL INDUS LTD(UTTAM VALUE STEEL)	INDIA	A		UPTO GR.-22; SUBJECT TO CONDITION
7	PLATES & ROLLED SECTION(CS)	$				ARCELLOR MITTAL GALATI	ROMANIA	A		CS PLATES UPTO 80 MM
		$				JSW STEEL LTD.	INDIA	A		STRUCTURAL STEEL
		$				RINL	INDIA	A		STRUCTURAL STEEL
		$				ESSAR STEEL LTD.	INDIA	A		STRUCTURAL STEEL
		$				TISCO	INDIA	A		STRUCTURAL STEEL
		$				LLYODS STEEL INDUS LTD(UTTAM VALUE STEEL)	INDIA	A		STRUCTURAL STEEL
		$				ISPAT INDUSTRIES LTD.	INDIA	A		STRUCTURAL STEEL
		$				JSPL	INDIA	A		STRUCTURAL STEEL
		$				SAIL	INDIA	A		STRUCTURAL STEEL
8	PLATES(SS)	$				OUTOKUMPU	SWEDEN	A		SS PLATES UPTO 20 MM THK
		$				INDUS STEEL	BELGIUM	A		GR-304,309,310,316

Bharat Heavy Electricals Limited ★ PS-MKTG Delhi

Patrayi Vidyut Utpadan Nigam Limited ★ Distt-Raingarh(C.G.) C & M Deptt.

J. Nanthini

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टी. नगर, चेन्नै - 17 / T. Nagar, Chennai - 17

06-04-2017

	Project:	PATRATU	3x800	MW	LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO. :	CS-9585-001-2	
					AND SUB-SUPPLIER APPROVAL			REV. NO. :		
	Package:	EPC						DATE:	06.04.2017	
	Supplier:	BHEL								
	Contract No.:	CS-9585-001-2			SUB-SYS	STEAM GENERATOR/RAW MATERIALS				
S.No.	ITEM	QP/Insp. Cat.	QP No.	QP Sub-Schedule	QP approval schedule	Proposed sub-supplier	Place	Suppliers approval status/ category	supplier Details submission schedule	Remarks
		$				JSL STAINLESS	JAIPUR	A		LINER SS 304
		$				INDUSTEEL LOIRE	FRANCE	A		GR-304,309,310,316
		$				SAIL	BHILAI/SALEM	A		GR-304,309,310,317
		$				COLUMBUS STAINLESS STEEL(ACRINOX)	SOUTH AFRICA	A		GR-304,309,310,318
		$				NIPPON STEEL CORP.	JAPAN	DR		
		$				THYSEEN KRUPP	GERMANY	DR		
		$				SUMITOMO	JAPAN	DR		
		$				ACRONI SLOVENIS	JAPAN	DR		
		$				DKC	KOREA	DR		
9	ALUMINIUM CLADDING	III				MAIN CONTRACTOR'S APPROVED SOURCES				

NOTE 1:	VENDORS UNDER A(ACCEPTED CATEGORY) ARE APPROVED AND ACCEPTED BY NTPC IN PAST WITH OR WITHOUT CONDITIONS. SIMILAR CONDITIONS AS THE CASE MAY BE SHALL BE APPLICABLE FOR THIS PROJECT ALSO.
NOTE 2:	VENDORS UNDER DR (DETAILS REQUIRED) CATEGORY SHALL BE REQUIRED TO SUBMIT THE DETAILS IN NTPC QUESTIONNAIRE.
NOTE 3:	PRE DESPATCH INSPECTION FOR ALLOY/SS GRADES NEEDS TO BE TIED UP BY MAIN CONTRACTOR OR THIRD PARTY INSPECTION AGENCY AS REQUIRED.
NOTE 4:	($) REVIEW OF MILL TC FOR RAW MATERIAL TO BE DONE BY NTPC AND SHALL BE INCLUDED IN THE QP OF CORRESPONDING EQUIPMENT.

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Bharat Heavy Electricals Limited PS-MKTG Delhi

Patratu Vidyut Utpadan Nigam Limited C & M Deptt. Distt-Ramgarh (Jharkhand)

06-04-2017

6/6

ANNEXURE - VI
Ref : NOA OF PATRATU 3X660 MW

	Project:	PATRATU	3x800	MW	LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO. :	CS-9585-001-2	
					AND SUB-SUPPLIER APPROVAL			REV. NO. :	0	
	Package:	Steam Generator Island Package						DATE:	04.04.2017	
	Supplier:	BHEL				BHEL TRICHY				
	Contract No.:	CS-9585-001-2			SUB-SYST	STEAM GENERATOR				
S.No.	ITEM	QP/Insp. Cat.	QP No.	QP Sub-Schedule	QP approval schedule	Proposed sub-supplier	Place	Suppliers approval status/ category	supplier Details submission	Remarks
44	CERAMIC LINED COAL PIPES & BENDS	I				BHEL EDN	BANGALORE	A		
						BHEL	JAGDISHPUR	A		
45	COAL PIPES & BENDS(W/O CERAMIC LINES)	III				MAIN CONTRACTOR'S APPROVED SOURCES				
46	COAL BUNKER	I				NTPC APPROVED VENDORS				VENDORS TO BE PROPOSED LATER DURING PROJECT EXECUTION
47	SOOT BLOWER PRESSURE REDUCING VALVES & BLOCK					REFER C&I VENDOR LIST				
48	91/92 GRADE FITTINGS (NOTE 6)	I								
		I				PETROL RACCORD SPA	ITALY	A		P-91, P-92 FORMED/FORGED
		I				BOKOYOUNG METAL CO.	LOREA	A		P-91,FORGED
		I				TF TECH CO. LTD.	KOREA	A		P-91 FORGED
		I				FLASH FORGE	VIZAG	A		91 WITH SIZE/TYPE CONDITIONS AS PER NTPC APPROVAL LETTER
		I				BGH EDELSTAHL SIEGEN GMBH	GERMANY	A		P-91 FORGED
		I				ERNE FITTINGS GMBH	AUSTRIA	A		P-91 FORMED
		I				GAM RACCORDI SPA	ITALY	A		P-91 FORMED

Bharat Heavy Electricals Limited PS-MKTG Delhi

Patratu Vidyut Utpadan Nigam Limited C & M Deptt. Distt-Ramgarh(Jharkhand) 12/14

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	Project:	PATRATU	3x800	MW	LIST OF ITEMS REQUIRING QUALITY PLAN			DOC. NO. :	CS-9585-001-2	
					AND SUB-SUPPLIER APPROVAL			REV. NO. :	0	
	Package:	Steam Generator Island Package						DATE:	04.04.2017	
	Supplier:	BHEL				BHEL TRICHY				
	Contract No.:	CS-9585-001-2			SUB-SYST	STEAM GENERATOR				
S.No.	ITEM	QP/Insp. Cat.	QP No.	QP Sub-Schedule	QP approval schedule	Proposed sub-supplier	Place	Suppliers approval status/ category	supplier Details submission	Remarks
		I				TECHNO FORGE SPA	ITALY	A		P-91, P-92 FORMED
		I				MEGA SPA	ITALY	A		P-91 FORGED/WELDED
		I				BASSI LLUIGI SPA	ITALY	A		P-91 FORGED/WELDED
		I				IBF SPA	ITALY	A		P-91, P-92 FORMED/FORGED
		I				ALLIED INT. (TACTUBI RACCORDI SPA, VIA ROMA 150, 29027 PODENZANO)	ITALY	A		P-91, P-92 FORMED
		I				BRUCK STRASSE 16 ENSHEIM	GERMANY	A		P-91 FORGED/WELDED
		I				SUNGKWANG BEND CO. LTD.	KOREA	A		P-91/F-91 FORMED/FORGED/WELDED
		I				TK CORP. FORGITAL	KOREA	A		P-91 FORMED
						TIANJIN JINDING PIPING CO. LTD.	CHINA	A		91 FORMED (ELBOW, TEE, REDUCER)
						RINGMILL SPA	ITALY	A		FOR SEAMLESS AS (UPTO 91 GRADE) FORGED PIPE
		I				FORGITAL	ITALY	DR		
		I				DEE DEVELOPMENT	PALWAL	A		91 WITH SIZE/TYPE CONDITIONS AS PER NTPC APPROVAL LETTER
						CHW FORGE LTD.	GHAZAIBAD	A		91 WITH SIZE/TYPE CONDITIONS AS PER NTPC APPROVAL LETTER
						FORGE MONCHIERI SPA	ITALY	A		91 FORGING- WITH SIZE/TYPE CONDITIONS AS PER NTPC APPROVAL LETTER
						VIAR SPA	ITALY	DR		91 FORGINGS
						TIANJINDING PIPING CO. LTD.	CHINA	DR		
		I				AFFLERBACH	GERMANY	DR		
49	FITTINGS(CS,SS & AS UPTO GR 22)	II				MAIN CONTRACTOR'S APPROVED SOURCES				
50	KNIFE EDGE GATE VALVES(Mill Outlet and Burner Inlet)	I				GALAXY CONTROLS PVT LTD	CHENNAI	A		Upto size 26'

Bharat Heavy Electricals Limited PS-MKTG Delhi

Patratu Vidyut Utpadan Nigam Limited C & M Deptt. Distt-Ramgarh (Jharkhand) 13/14

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ANNEXURE - VII
Ref:01/CQA/2260-101-19052014 Dt 19/05/2014

एनटीपीसी
NTPC

एन टी पी सी लिमिटेड
भारत सरकार का उद्यम
NTPC Limited
A Govt. of India Enterprise
(Formerly National Thermal Power Corporation Ltd.)

केन्द्रीय कार्यालय/Corporate Centre, Noida

Ref: 01/CQA/2260-101-19052014 Date: 19/05/2014

A.P.Madhavan Kutty
AGM/Quality,
BHEL-Piping Centre, Chennai

Sub: Acceptance of M/s Dish India (P) Ltd as a sub-sub vendor of M/s BHEL For Vindhyachal-V (1X500) project

Dear Sir,

This has reference to the subject proposal forwarded to NTPC vide email dated 08/05//2014

The proposal has been reviewed and accepted as under:

Sl. No.	Name & Address of vendor	Scope of supply	Applicable project/package
01	M/s Dish India (P) Ltd. Work address: KH.NO 40/21 & 39/25 ane, Mundka, Nangloi, Delhi-110041	Dished end cover (For CBD pr.10kgs/sqcm .& temp 179 deg.-IBR item & IBD pr.3.5kgs/sqcm, Temp 148deg. NON IBR item) Sizes: OD:2500x16mm and Materials SA 515/516 Gr.70	Vindhyachal-V (1X500MW)/ SG Package

The above acceptance is subject to the conditions as under:

1) Manufacturing Drawing for dish ends shall be provided by BHEL-Chennai.
2) All Manufacturing and supply shall be as per NTPC Technical specification and approved QP.
3) BHEL-Chennai to ensure the IBR statutory requirements at M/s Dish India(P) Ltd, Delhi.

This is for your information and necessary action please.

Yours Sincerely,

Digitally signed by Yogesh Sawedkar
DN: cn=Yogesh Sawedkar, c=IN, o=NTPC Ltd., ou=Vindhyachal TF, email=yogeshsawedkar@ntpceoc.co.in
Date: 2014.05.19 12:35:20 +05'30'

(For S K Jain)
CTF Vindhyachal

Copy to: ED (QA &I)
: GM (Insp, New Delhi)